PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3218577

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROCKSTAR CONSORTIUM US LP	01/28/2015
ROCKSTAR CONSORTIUM LLC	01/28/2015
BOCKSTAR TECHNOLOGIES LLC	01/28/2015
CONSTELLATION TECHNOLOGIES LLC	01/28/2015
MOBILESTAR TECHNOLOGIES LLC	01/28/2015
NETSTAR TECHNOLOGIES LLC	01/28/2015

RECEIVING PARTY DATA

Name:	RPX CLEARINGHOUSE LLC	
Street Address:	ONE MARKET PLAZA, STEUART TOWER	
Internal Address:	SUITE 800	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	94105	

PROPERTY NUMBERS Total: 2651

Property Type	Number
Application Number:	09604807
Application Number:	13297575
Application Number:	09783002
Application Number:	10181288
Application Number:	12241539
Application Number:	10196825
Application Number:	10170149
Application Number:	10077987
Application Number:	10301713
Application Number:	10185097
Application Number:	10435326
Application Number:	11488799
Application Number:	10410949
Application Number:	13405846

Property Type	Number
Application Number:	10784743
Application Number:	10747967
Application Number:	10748938
Application Number:	13226872
Application Number:	13334979
Application Number:	10941201
Application Number:	10813230
Application Number:	12540030
Application Number:	13416142
Application Number:	11032632
Application Number:	13252595
Application Number:	10890043
Application Number:	10880199
Application Number:	13289126
Application Number:	10956323
Application Number:	10922709
Application Number:	11040684
Application Number:	12577639
Application Number:	11364251
Application Number:	11316000
Application Number:	13531678
Application Number:	11270319
Application Number:	12094623
Application Number:	11268887
Application Number:	12966733
Application Number:	11268419
Application Number:	11214394
Application Number:	13167251
Application Number:	13713548
Application Number:	11251252
Application Number:	13680391
Application Number:	11615249
Application Number:	11471872
Application Number:	11321207
Application Number:	12064477
Application Number:	12886630
Application Number:	11312675
Application Number:	11469395

Property Type	Number
Application Number:	11469422
Application Number:	12096238
Application Number:	12096229
Application Number:	11457649
Application Number:	11502570
Application Number:	11475524
Application Number:	11419875
Application Number:	11529221
Application Number:	11480316
Application Number:	11429564
Application Number:	11536304
Application Number:	13276833
Application Number:	11531993
Application Number:	11761339
Application Number:	11963322
Application Number:	12299719
Application Number:	11535677
Application Number:	11766271
Application Number:	13465648
Application Number:	11600492
Application Number:	11867288
Application Number:	11617189
Application Number:	11944814
Application Number:	11960317
Application Number:	11964753
Application Number:	11610878
Application Number:	11960341
Application Number:	11755205
Application Number:	11732381
Application Number:	11961833
Application Number:	11724981
Application Number:	13301142
Application Number:	12002361
Application Number:	11773745
Application Number:	11964534
Application Number:	12183616
Application Number:	13358852
Application Number:	12334202

Property Type	Number
Application Number:	12151684
Application Number:	12210047
Application Number:	11954097
Application Number:	11850340
Application Number:	12179289
Application Number:	11932487
Application Number:	12167460
Application Number:	11955950
Application Number:	12151682
Application Number:	12262200
Application Number:	12196523
Application Number:	13561040
Application Number:	13446469
Application Number:	12341335
Application Number:	12493620
Application Number:	12343999
Application Number:	12347212
Application Number:	12190209
Application Number:	12344529
Application Number:	12394093
Application Number:	12259560
Application Number:	12169189
Application Number:	12390971
Application Number:	12267571
Application Number:	12342174
Application Number:	12168678
Application Number:	12626975
Application Number:	12458108
Application Number:	13132464
Application Number:	12341845
Application Number:	13277781
Application Number:	12494594
Application Number:	12323002
Application Number:	13119630
Application Number:	13547326
Application Number:	09460589
Application Number:	11759481
Application Number:	11759508

Property Type	Number
Application Number:	12632400
Application Number:	14230279
Application Number:	14324787
Application Number:	14333538
Application Number:	09731399
Application Number:	14133936
Application Number:	14134230
Application Number:	14336116
Application Number:	13872458
Application Number:	14287762
Application Number:	14257256
Application Number:	14194933
Application Number:	13892562
Application Number:	14335330
Application Number:	13848578
Application Number:	13652109
Application Number:	14291150
Application Number:	14087211
Application Number:	13867237
Application Number:	13896810
Application Number:	14252474
Application Number:	13971469
Application Number:	13896762
Application Number:	14030642
Application Number:	14187862
Application Number:	13715437
Application Number:	14340916
Application Number:	14286235
Application Number:	14165791
Application Number:	14245168
Application Number:	14034187
Application Number:	14291121
Application Number:	14298487
Application Number:	14075305
Application Number:	14136806
Application Number:	14154856
Application Number:	14084376
Application Number:	13897812

Property Type	Number
Application Number:	14094286
Application Number:	14216278
Application Number:	14176223
Application Number:	14311434
Application Number:	14299118
Application Number:	14313261
Application Number:	13797226
Application Number:	13797255
Application Number:	12982542
Application Number:	13168802
Application Number:	09557890
Application Number:	13958806
Application Number:	13183732
Application Number:	13755320
Application Number:	14024829
Application Number:	14025004
Application Number:	14026237
Application Number:	14026357
Application Number:	14035002
Application Number:	09716408
Application Number:	10034431
Application Number:	10023169
Application Number:	09981444
Application Number:	13936506
Application Number:	13936547
Application Number:	12883996
Application Number:	10106366
Application Number:	12850896
Application Number:	14317489
Application Number:	14142303
Application Number:	13645137
Application Number:	10658701
Application Number:	13164227
Application Number:	10813003
Application Number:	14169646
Application Number:	13442191
Application Number:	14029342
Application Number:	13195948

Property Type	Number
Application Number:	10750531
Application Number:	12623563
Application Number:	13228598
Application Number:	13330361
Application Number:	13932602
Application Number:	13931085
Application Number:	13888822
Application Number:	12286894
Application Number:	13300824
Application Number:	14093900
Application Number:	13887744
Application Number:	13683668
Application Number:	14093976
Application Number:	12081684
Application Number:	14030403
Application Number:	14053058
Application Number:	14147896
Application Number:	14054378
Application Number:	10970975
Application Number:	10890007
Application Number:	13726894
Application Number:	14100129
Application Number:	10946982
Application Number:	13482010
Application Number:	11053044
Application Number:	12512363
Application Number:	11008999
Application Number:	13928602
Application Number:	13899113
Application Number:	11316061
Application Number:	13493248
Application Number:	13858446
Application Number:	13668649
Application Number:	11304071
Application Number:	11170211
Application Number:	13932841
Application Number:	11269219
Application Number:	11313309

Property Type	Number
Application Number:	13720188
Application Number:	13678719
Application Number:	13925196
Application Number:	14021063
Application Number:	11298673
Application Number:	11755190
Application Number:	13051030
Application Number:	14341287
Application Number:	11369460
Application Number:	11357090
Application Number:	11469416
Application Number:	13947217
Application Number:	13947288
Application Number:	13588126
Application Number:	13595011
Application Number:	13306417
Application Number:	11556898
Application Number:	11502571
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Application Number:	14185248
Application Number:	11433940
Application Number:	13275896
Application Number:	11536414
Application Number:	11477975
Application Number:	13452983
Application Number:	13469662
Application Number:	11679897
Application Number:	13629863
Application Number:	13936340
Application Number:	13302704
Application Number:	11546170
Application Number:	14290286
Application Number:	11621280
Application Number:	13934506
Application Number:	11616685
Application Number:	13439987
Application Number:	13928053
Application Number:	11963172

Property Type	Number
Application Number:	11613493
Application Number:	11615338
Application Number:	14444116
Application Number:	13281533
Application Number:	14258238
Application Number:	12326646
Application Number:	13693312
Application Number:	14043013
Application Number:	13752015
Application Number:	13416161
Application Number:	13110970
Application Number:	13546144
Application Number:	14093977
Application Number:	13873623
Application Number:	13226601
Application Number:	11961806
Application Number:	12129373
Application Number:	12741774
Application Number:	14109021
Application Number:	14034698
Application Number:	13783710
Application Number:	12991837
Application Number:	13451776
Application Number:	14099717
Application Number:	12992122
Application Number:	13044905
Application Number:	13453011
Application Number:	14031601
Application Number:	12993322
Application Number:	14078068
Application Number:	13680840
Application Number:	12420976
Application Number:	13123077
Application Number:	14296077
Application Number:	13754177
Application Number:	11996735
Application Number:	14246649
Application Number:	13813008

Property Type	Number
Application Number:	13261253
Application Number:	14109281
Application Number:	13914680
Application Number:	90007192
Application Number:	14179981
Application Number:	11767598
Application Number:	13031478
Application Number:	13723642
Application Number:	13723670
Application Number:	13724032
Application Number:	13724369
Application Number:	13724495
Application Number:	13845955
Application Number:	14093479
Application Number:	14131155
Application Number:	14093477
Application Number:	14131131
Application Number:	14299585
Application Number:	14139145
Application Number:	14225093
Application Number:	14225120
Application Number:	14225149
Application Number:	14225180
Application Number:	14225194
Application Number:	09600054
Application Number:	09375710
Application Number:	09414589
Application Number:	14313625
Application Number:	09511065
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Application Number:	14528612
Application Number:	14023832
Application Number:	14330846
Application Number:	09749758
Application Number:	09189619
Application Number:	10167378
Application Number:	09526580
Application Number:	14195188

Property Type	Number
Application Number:	09827086
Application Number:	14329456
Application Number:	14302067
Application Number:	14317401
Application Number:	14223550
Application Number:	14319551
Application Number:	13860092
Application Number:	13934873
Application Number:	14219222
Application Number:	14219796
Application Number:	13908189
Application Number:	14078029
Application Number:	14497485
Application Number:	14282695
Application Number:	14293482
Application Number:	14302207
Application Number:	14070959
Application Number:	14293201
Application Number:	14159935
Application Number:	14534321
Application Number:	14453954
Application Number:	14045238
Application Number:	14470390
Application Number:	14029319
Application Number:	14057555
Application Number:	13909606
Application Number:	14265528
Application Number:	14268044
Application Number:	13547310
Application Number:	14211236
Application Number:	12750086
Application Number:	14454804
Application Number:	14133012
Application Number:	14290404
Application Number:	14508220
Application Number:	14302995
Application Number:	13668818
Application Number:	14478001

Property Type	Number
Application Number:	14493761
Application Number:	14487728
Application Number:	14105639
Application Number:	14502176
Application Number:	14171009
Application Number:	14285830
Application Number:	14280155
Application Number:	14291291
Application Number:	14515711
Application Number:	14489625
Application Number:	14245525
Application Number:	14324754
Application Number:	14319920
Application Number:	13915683
Application Number:	14322332
Application Number:	14527958
Application Number:	14448129
Application Number:	14505119
Application Number:	14322166
Application Number:	14500008
Application Number:	14211390
Application Number:	14341611
Application Number:	13947324
Application Number:	13909635
Application Number:	14032294
Application Number:	14032312
Application Number:	14485130
Application Number:	14492808
Application Number:	14485739
Application Number:	14251999
Application Number:	13632350
Application Number:	14486606
Application Number:	14508226
Application Number:	14321228
Application Number:	14548787
Application Number:	14204242
Application Number:	14176065
Application Number:	13864863

Property Type	Number
Application Number:	13865395
Application Number:	13865420
Application Number:	14310767
Application Number:	14102278
Application Number:	14507338
Application Number:	14169512
Application Number:	14501890
Application Number:	14553127
Application Number:	14565701
Application Number:	14520724
Application Number:	14489925
Application Number:	14467107
Application Number:	14523014
Application Number:	13911528
Application Number:	14187658
Application Number:	14563035
Application Number:	14357096
Application Number:	14324406
Application Number:	14338419
Application Number:	13567653
Application Number:	14526991
Application Number:	14471122
Application Number:	14457867
Application Number:	08712679
Application Number:	09062393
Application Number:	09460273
Application Number:	09036374
Application Number:	09110104
Application Number:	14330060
Application Number:	09304438
Application Number:	09215260
Application Number:	09219437
Application Number:	14463818
Application Number:	09408619
Application Number:	09300131
Application Number:	61909054
Application Number:	61911244
Application Number:	90012918

Property Type	Number
Application Number:	07885951
Application Number:	08216011
Application Number:	07788081
Application Number:	07825531
Application Number:	08492496
Application Number:	08216254
Application Number:	08189049
Application Number:	29055144
Application Number:	29076119
Application Number:	29089324
Application Number:	29099452
Application Number:	29090556
Application Number:	29090414
Application Number:	29090872
Application Number:	08137453
Application Number:	08041378
Application Number:	08080544
Application Number:	08638084
Application Number:	08080543
Application Number:	08205333
Application Number:	07858293
Application Number:	08033227
Application Number:	07868941
Application Number:	08104265
Application Number:	07858377
Application Number:	07868940
Application Number:	07906192
Application Number:	08426438
Application Number:	07921671
Application Number:	08013560
Application Number:	08013711
Application Number:	08041377
Application Number:	08246207
Application Number:	08180155
Application Number:	29044661
Application Number:	29044814
Application Number:	29061305
Application Number:	29064889

Property Type	Number
Application Number:	09338693
Application Number:	09473746
Application Number:	09663568
Application Number:	09333269
Application Number:	09369944
Application Number:	09465645
Application Number:	09417047
Application Number:	09404043
Application Number:	10856163
Application Number:	09390214
Application Number:	09401919
Application Number:	09522096
Application Number:	09351342
Application Number:	09455090
Application Number:	09398370
Application Number:	10444397
Application Number:	12661895
Application Number:	13222900
Application Number:	09472449
Application Number:	09358994
Application Number:	09519668
Application Number:	09359538
Application Number:	09465340
Application Number:	09335836
Application Number:	09354372
Application Number:	09356041
Application Number:	09392534
Application Number:	09335203
Application Number:	09405095
Application Number:	09528232
Application Number:	09270733
Application Number:	09320585
Application Number:	09339920
Application Number:	09345453
Application Number:	09437927
Application Number:	09475047
Application Number:	09475308
Application Number:	11034839

Property Type	Number
Application Number:	09327561
Application Number:	09362886
Application Number:	10360680
Application Number:	09337536
Application Number:	09513244
Application Number:	09436991
Application Number:	09588904
Application Number:	09362515
Application Number:	09411284
Application Number:	09349348
Application Number:	09437063
Application Number:	09470995
Application Number:	09391418
Application Number:	09404797
Application Number:	09469783
Application Number:	10692782
Application Number:	09315042
Application Number:	09386282
Application Number:	09635073
Application Number:	09374528
Application Number:	09472151
Application Number:	09337069
Application Number:	09385939
Application Number:	09603355
Application Number:	09410314
Application Number:	09472228
Application Number:	09428656
Application Number:	09411283
Application Number:	09585421
Application Number:	10852890
Application Number:	09474124
Application Number:	09460780
Application Number:	09461119
Application Number:	09461492
Application Number:	09387036
Application Number:	09472910
Application Number:	11827142
Application Number:	09745890

Property Type	Number
Application Number:	09235869
Application Number:	09205041
Application Number:	10264053
Application Number:	09375709
Application Number:	09559459
Application Number:	09589414
Application Number:	09517432
Application Number:	09468977
Application Number:	09595551
Application Number:	09434954
Application Number:	09431566
Application Number:	09474540
Application Number:	09430045
Application Number:	09401955
Application Number:	09460781
Application Number:	09461654
Application Number:	09461023
Application Number:	09466640
Application Number:	09471136
Application Number:	09374805
Application Number:	09375759
Application Number:	09375758
Application Number:	09432697
Application Number:	09354651
Application Number:	09374806
Application Number:	09408960
Application Number:	09474542
Application Number:	09368276
Application Number:	09480509
Application Number:	10825541
Application Number:	09470630
Application Number:	09410317
Application Number:	09459548
Application Number:	09639075
Application Number:	09459546
Application Number:	09471141
Application Number:	09474541
Application Number:	10199797

Property Type	Number
Application Number:	09561834
Application Number:	11394693
Application Number:	11395929
Application Number:	09545660
Application Number:	09474125
Application Number:	09695108
Application Number:	09466663
Application Number:	10751635
Application Number:	09475044
Application Number:	09472643
Application Number:	09428808
Application Number:	09492046
Application Number:	10718098
Application Number:	09431994
Application Number:	09566391
Application Number:	09540362
Application Number:	09414590
Application Number:	09661112
Application Number:	09417769
Application Number:	09472627
Application Number:	09466619
Application Number:	09514932
Application Number:	09453282
Application Number:	09540756
Application Number:	09420295
Application Number:	09587036
Application Number:	09414762
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Application Number:	09595715
Application Number:	09474543
Application Number:	09474544
Application Number:	09422646
Application Number:	09436563
Application Number:	09869679
Application Number:	09422106
Application Number:	09469623

Property Type	Number
Application Number:	10148420
Application Number:	09542007
Application Number:	09749455
Application Number:	09688289
Application Number:	09459044
Application Number:	09546092
Application Number:	09595937
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Application Number:	09540642
Application Number:	09616343
Application Number:	09723587
Application Number:	09609295
Application Number:	09557451
Application Number:	09527584
Application Number:	09473723
Application Number:	09520853
Application Number:	09563864
Application Number:	10927643
Application Number:	09724454
Application Number:	09553135
Application Number:	09753341
Application Number:	10932373
Application Number:	09636701
Application Number:	09750871
Application Number:	09567512
Application Number:	09517903
Application Number:	09614601
Application Number:	09629787
Application Number:	09739066
Application Number:	09696957

Property Type	Number
Application Number:	09571160
Application Number:	09567630
Application Number:	09589326
Application Number:	10980095
Application Number:	13740759
Application Number:	09545545
Application Number:	09584363
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Application Number:	13205115
Application Number:	09859544
Application Number:	09750015
Application Number:	11113050
Application Number:	09617232
Application Number:	09640009
Application Number:	09537721
Application Number:	09522325
Application Number:	13007576
Application Number:	13566156
Application Number:	13929508
Application Number:	09585669
Application Number:	09598867
Application Number:	09679461
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Application Number:	09603080
Application Number:	09578627
Application Number:	09512910
Application Number:	09637744
Application Number:	09740932
Application Number:	09747239
Application Number:	09746999
Application Number:	09607007

Property Type	Number
Application Number:	09697221
Application Number:	09750868
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Application Number:	09603354
Application Number:	09638580
Application Number:	09606053
Application Number:	09625175
Application Number:	09752838
Application Number:	09624029
Application Number:	09545547
Application Number:	09604770
Application Number:	09724488
Application Number:	09539124
Application Number:	09539126
Application Number:	09574011
Application Number:	09685279
Application Number:	09794317
Application Number:	09982677
Application Number:	09545546
Application Number:	09558573
Application Number:	09653984
Application Number:	11031715
Application Number:	10246408
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Application Number:	09660688
Application Number:	11205577
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Application Number:	09661273
Application Number:	13727800
Application Number:	09636594
Application Number:	09685090
Application Number:	09634101
Application Number:	09697822
Application Number:	09630942
Application Number:	09635898
Application Number:	09636595
Application Number:	09566603

Property Type	Number
Application Number:	09566602
Application Number:	09566604
Application Number:	10240212
Application Number:	09624239
Application Number:	09666299
Application Number:	09741257
Application Number:	09745812
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Application Number:	09580865
Application Number:	09717292
Application Number:	09723018
Application Number:	09584330
Application Number:	09741041
Application Number:	10963262
Application Number:	09664373
Application Number:	09672979
Application Number:	09714082
Application Number:	10275392
Application Number:	09692949
Application Number:	09876316
Application Number:	09666583
Application Number:	09862861
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Application Number:	09739528
Application Number:	09902362
Application Number:	09672816
Application Number:	10872434
Application Number:	09579501
Application Number:	09588699
Application Number:	09693132

Property Type	Number
Application Number:	09750903
Application Number:	09695969
Application Number:	09728418
Application Number:	09605236
Application Number:	09696125
Application Number:	09726029
Application Number:	09651188
Application Number:	10126700
Application Number:	09593697
Application Number:	09735471
Application Number:	09867175
Application Number:	09746421
Application Number:	09671140
Application Number:	10983497
Application Number:	09748076
Application Number:	09954192
Application Number:	09640701
Application Number:	09726758
Application Number:	09660196
Application Number:	10014805
Application Number:	09735537
Application Number:	09648767
Application Number:	09736210
Application Number:	09711056
Application Number:	09223047
Application Number:	10435316
Application Number:	10969748
Application Number:	09667667
Application Number:	09687358
Application Number:	09648622
Application Number:	09738983
Application Number:	09852995
Application Number:	09850130
Application Number:	09726027
Application Number:	11287259
Application Number:	09709576
Application Number:	10659320
Application Number:	09713292

Property Type	Number
Application Number:	09708381
Application Number:	09693100
Application Number:	09749435
Application Number:	09749470
Application Number:	09752143
Application Number:	09888889
Application Number:	09750174
Application Number:	09898205
Application Number:	09739902
Application Number:	09730505
Application Number:	09742139
Application Number:	09708662
Application Number:	09750304
Application Number:	09739977
Application Number:	09739714
Application Number:	09739882
Application Number:	09753229
Application Number:	10431388
Application Number:	09193753
Application Number:	09250879
Application Number:	09732259
Application Number:	09749946
Application Number:	10297775
Application Number:	10182360
Application Number:	09748757
Application Number:	09749406
Application Number:	09739277
Application Number:	09727644
Application Number:	09708383
Application Number:	09749411
Application Number:	09326079
Application Number:	09731420
Application Number:	09746578
Application Number:	09693191
Application Number:	10939023
Application Number:	09517151
Application Number:	09750873
Application Number:	09724322

Property Type	Number
Application Number:	10420733
Application Number:	10420734
Application Number:	09518448
Application Number:	09272112
Application Number:	09742049
Application Number:	09716594
Application Number:	09931643
Application Number:	09707015
Application Number:	10036125
Application Number:	09746423
Application Number:	09691347
Application Number:	09747697
Application Number:	09281406
Application Number:	09281404
Application Number:	10357637
Application Number:	09636806
Application Number:	10827715
Application Number:	09761054
Application Number:	09671863
Application Number:	09802195
Application Number:	09708782
Application Number:	09747296
Application Number:	09757904
Application Number:	09722968
Application Number:	09750071
Application Number:	09745202
Application Number:	09749945
Application Number:	09740706
Application Number:	10017521
Application Number:	09723019
Application Number:	09865667
Application Number:	09767098
Application Number:	09751060
Application Number:	09750766
Application Number:	12749270
Application Number:	13901107
Application Number:	09785340
Application Number:	09751289

Property Type	Number
Application Number:	09742683
Application Number:	13363786
Application Number:	09750062
Application Number:	09750204
Application Number:	09704291
Application Number:	09234177
Application Number:	09446540
Application Number:	09704439
Application Number:	10648025
Application Number:	10648956
Application Number:	10650543
Application Number:	10157354
Application Number:	10695109
Application Number:	09704444
Application Number:	10221867
Application Number:	09704445
Application Number:	08855883
Application Number:	09518364
Application Number:	10031159
Application Number:	09704458
Application Number:	09698362
Application Number:	09751796
Application Number:	09863319
Application Number:	09689101
Application Number:	09877150
Application Number:	09952328
Application Number:	09746124
Application Number:	09723591
Application Number:	09735500
Application Number:	10856733
Application Number:	09735501
Application Number:	10694566
Application Number:	09976643
Application Number:	09864844
Application Number:	09742347
Application Number:	09961379
Application Number:	09741401
Application Number:	09697120

Property Type	Number
Application Number:	10191512
Application Number:	11496727
Application Number:	29133148
Application Number:	10005328
Application Number:	09893258
Application Number:	09842298
Application Number:	10040975
Application Number:	09815323
Application Number:	09888883
Application Number:	09745887
Application Number:	09935819
Application Number:	09742232
Application Number:	09753025
Application Number:	09753345
Application Number:	09751058
Application Number:	10094655
Application Number:	09888730
Application Number:	09723388
Application Number:	09723835
Application Number:	09723836
Application Number:	09829978
Application Number:	09704457
Application Number:	29135001
Application Number:	09960959
Application Number:	09707280
Application Number:	10115561
Application Number:	09742042
Application Number:	09861822
Application Number:	09928745
Application Number:	09930548
Application Number:	09946736
Application Number:	10209904
Application Number:	10016777
Application Number:	09906548
Application Number:	09848743
Application Number:	09794125
Application Number:	10075436
Application Number:	09821722

Property Type	Number
Application Number:	29135361
Application Number:	10083305
Application Number:	09161589
Application Number:	09161588
Application Number:	10115396
Application Number:	09934446
Application Number:	09892492
Application Number:	09893493
Application Number:	09870665
Application Number:	10025615
Application Number:	09976721
Application Number:	09751461
Application Number:	09966502
Application Number:	10103416
Application Number:	09817796
Application Number:	10196884
Application Number:	12848715
Application Number:	13567180
Application Number:	10021975
Application Number:	10052128
Application Number:	10068472
Application Number:	09987164
Application Number:	10032411
Application Number:	10097268
Application Number:	09842236
Application Number:	09893498
Application Number:	10768050
Application Number:	10017509
Application Number:	09954406
Application Number:	10006942
Application Number:	10036247
Application Number:	10003252
Application Number:	09965810
Application Number:	10108514
Application Number:	10028510
Application Number:	09954136
Application Number:	09891011
Application Number:	09972911

Property Type	Number
Application Number:	10029148
Application Number:	10024020
Application Number:	10109918
Application Number:	10107332
Application Number:	10107876
Application Number:	10195531
Application Number:	10303015
Application Number:	11601394
Application Number:	11788581
Application Number:	13584105
Application Number:	10012339
Application Number:	10050091
Application Number:	09153585
Application Number:	10290314
Application Number:	10114100
Application Number:	10020457
Application Number:	10008082
Application Number:	10024996
Application Number:	10171526
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Application Number:	09984700
Application Number:	10032014
Application Number:	12110677
Application Number:	13212327
Application Number:	10143889
Application Number:	10058879
Application Number:	10274083
Application Number:	09999267

Property Type	Number
Application Number:	10191660
Application Number:	10054512
Application Number:	11625949
Application Number:	13792825
Application Number:	09993271
Application Number:	09991386
Application Number:	09973656
Application Number:	10081987
Application Number:	10013677
Application Number:	10177998
Application Number:	10180050
Application Number:	10326123
Application Number:	10178131
Application Number:	10172547
Application Number:	10224417
Application Number:	13334375
Application Number:	13724017
Application Number:	10172981
Application Number:	10076415
Application Number:	10054509
Application Number:	10054362
Application Number:	11696213
Application Number:	10037043
Application Number:	13325278
Application Number:	13325290
Application Number:	10054207
Application Number:	10139928
Application Number:	10101211
Application Number:	10079237
Application Number:	10185113
Application Number:	10102171
Application Number:	10264060
Application Number:	10077763
Application Number:	09930375
Application Number:	09933330
Application Number:	09933222
Application Number:	09933146
Application Number:	09969348

Property Type	Number
Application Number:	10152028
Application Number:	10106415
Application Number:	10407460
Application Number:	10113696
Application Number:	10232063
Application Number:	10106339
Application Number:	10102790
Application Number:	10225541
Application Number:	10316557
Application Number:	10195620
Application Number:	13413171
Application Number:	10437676
Application Number:	12051317
Application Number:	10106781
Application Number:	11002580
Application Number:	12365995
Application Number:	10267765
Application Number:	12782468
Application Number:	10265621
Application Number:	10425807
Application Number:	10326122
Application Number:	10100703
Application Number:	10119923
Application Number:	10176140
Application Number:	10212408
Application Number:	12804216
Application Number:	10331206
Application Number:	10301681
Application Number:	10262022
Application Number:	10090383
Application Number:	10175065
Application Number:	10172930
Application Number:	10323678
Application Number:	10259433
Application Number:	10336523
Application Number:	10266183
Application Number:	10179656
Application Number:	10326125

Property Type	Number
Application Number:	10325978
Application Number:	09388772
Application Number:	10385352
Application Number:	10176060
Application Number:	10139982
Application Number:	10326064
Application Number:	10797071
Application Number:	10186787
Application Number:	10283717
Application Number:	10194329
Application Number:	10262288
Application Number:	13047362
Application Number:	10389804
Application Number:	14064901
Application Number:	10261577
Application Number:	10384270
Application Number:	10383437
Application Number:	10384108
Application Number:	10259240
Application Number:	10390880
Application Number:	11152926
Application Number:	11553596
Application Number:	11619847
Application Number:	10385995
Application Number:	10253097
Application Number:	10194114
Application Number:	10286781
Application Number:	10774638
Application Number:	10324551
Application Number:	10209043
Application Number:	10364401
Application Number:	10192498
Application Number:	10390730
Application Number:	10744838
Application Number:	10326109
Application Number:	10326121
Application Number:	10324755
Application Number:	10238242

Property Type	Number
Application Number:	10180080
Application Number:	10690659
Application Number:	10615260
Application Number:	12463634
Application Number:	13180045
Application Number:	10321766
Application Number:	10738895
Application Number:	10252486
Application Number:	10289717
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Application Number:	10657939
Application Number:	10611392
Application Number:	12781908
Application Number:	10657953
Application Number:	10327587
Application Number:	10324609
Application Number:	10391809
Application Number:	10325143
Application Number:	10726905
Application Number:	10385965
Application Number:	10385942
Application Number:	10386091
Application Number:	10386093
Application Number:	10631711
Application Number:	10320574
Application Number:	12549584
Application Number:	13173875
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Application Number:	10692842
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Application Number:	10716599
Application Number:	10417437
Application Number:	10417455
Application Number:	10384047
Application Number:	10861387
Application Number:	10455557
Application Number:	10439531

Property Type	Number
Application Number:	10437006
Application Number:	10456249
Application Number:	10968518
Application Number:	10645489
Application Number:	10459475
Application Number:	10402186
Application Number:	10716731
Application Number:	10653289
Application Number:	10780557
Application Number:	11185542
Application Number:	12493801
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Application Number:	10385993
Application Number:	10386092
Application Number:	10385996
Application Number:	10403690
Application Number:	13304060
Application Number:	10667491
Application Number:	10697312
Application Number:	10617192
Application Number:	10755573
Application Number:	10375549
Application Number:	10661903
Application Number:	11552230
Application Number:	10616621
Application Number:	10647759
Application Number:	10693806
Application Number:	10403582
Application Number:	12732578
Application Number:	13689833
Application Number:	10745061
Application Number:	10648000
Application Number:	10678705
Application Number:	12730992
Application Number:	10610509

Property Type	Number
Application Number:	10610511
Application Number:	12824034
Application Number:	10437628
Application Number:	12427106
Application Number:	10864146
Application Number:	10666529
Application Number:	10645438
Application Number:	10686071
Application Number:	10732532
Application Number:	10682625
Application Number:	11858373
Application Number:	10620453
Application Number:	10447909
Application Number:	10701716
Application Number:	10688642
Application Number:	10701767
Application Number:	11002398
Application Number:	10675162
Application Number:	10741988
Application Number:	10883206
Application Number:	12190146
Application Number:	10674139
Application Number:	10819309
Application Number:	10723841
Application Number:	13804239
Application Number:	10678704
Application Number:	10682467
Application Number:	12135526
Application Number:	10746419
Application Number:	10746432
Application Number:	10794675
Application Number:	10670568
Application Number:	10610373
Application Number:	10610508
Application Number:	11010742
Application Number:	12427067
Application Number:	10606687
Application Number:	13021134

Property Type	Number
Application Number:	10878274
Application Number:	12330257
Application Number:	10891172
Application Number:	10737770
Application Number:	10746472
Application Number:	10697464
Application Number:	12572007
Application Number:	10967575
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Application Number:	10958675
Application Number:	10961630
Application Number:	10658384
Application Number:	10723831
Application Number:	10723808
Application Number:	10742196
Application Number:	10827181
Application Number:	10661657
Application Number:	10747968
Application Number:	10747346
Application Number:	13473181
Application Number:	10721335
Application Number:	10772433
Application Number:	10794104
Application Number:	10891982
Application Number:	12350333
Application Number:	10739299
Application Number:	10705274
Application Number:	10682472
Application Number:	10744769
Application Number:	10740763
Application Number:	13659763
Application Number:	10842591
Application Number:	10742039
Application Number:	10740416
Application Number:	12482187
Application Number:	13299997
Application Number:	10952619

Property Type	Number
Application Number:	10791414
Application Number:	10753296
Application Number:	11629548
Application Number:	10692233
Application Number:	10749828
Application Number:	10895557
Application Number:	10885212
Application Number:	10805975
Application Number:	10901081
Application Number:	10926104
Application Number:	10921953
Application Number:	12060616
Application Number:	10866482
Application Number:	10866622
Application Number:	13404508
Application Number:	10693539
Application Number:	10911378
Application Number:	10868536
Application Number:	10868568
Application Number:	10868607
Application Number:	12939304
Application Number:	10885279
Application Number:	13327829
Application Number:	10804740
Application Number:	10902639
Application Number:	10812264
Application Number:	10799703
Application Number:	13269667
Application Number:	10799704
Application Number:	13682800
Application Number:	10990899
Application Number:	11008709
Application Number:	11011331
Application Number:	11018671
Application Number:	10872582
Application Number:	10824226
Application Number:	10940459
Application Number:	10941719

Property Type	Number
Application Number:	10784864
Application Number:	10900369
Application Number:	13399456
Application Number:	10821090
Application Number:	10593108
Application Number:	11169718
Application Number:	12196909
Application Number:	13683672
Application Number:	10859994
Application Number:	13488132
Application Number:	10819349
Application Number:	10881296
Application Number:	13047128
Application Number:	10955162
Application Number:	10883207
Application Number:	12728459
Application Number:	13330042
Application Number:	10978385
Application Number:	10810244
Application Number:	12723010
Application Number:	10852317
Application Number:	10851032
Application Number:	13360860
Application Number:	13360867
Application Number:	10946322
Application Number:	10902634
Application Number:	10937573
Application Number:	10858979
Application Number:	13474210
Application Number:	10944565
Application Number:	11014962
Application Number:	10929461
Application Number:	13091870
Application Number:	11010741
Application Number:	10858076
Application Number:	12715752
Application Number:	11101993
Application Number:	10890054

Property Type	Number
Application Number:	10842129
Application Number:	12643936
Application Number:	13156178
Application Number:	10924512
Application Number:	11105843
Application Number:	10991791
Application Number:	13370641
Application Number:	10910685
Application Number:	11069656
Application Number:	11137015
Application Number:	11025077
Application Number:	12547934
Application Number:	13396974
Application Number:	11013022
Application Number:	11018359
Application Number:	11325818
Application Number:	10889484
Application Number:	10889647
Application Number:	10915384
Application Number:	11001815
Application Number:	10592623
Application Number:	12750208
Application Number:	10964466
Application Number:	10975066
Application Number:	11142125
Application Number:	13459645
Application Number:	13933305
Application Number:	14300516
Application Number:	11241462
Application Number:	12767887
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Application Number:	13012522
Application Number:	10955496
Application Number:	10994542
Application Number:	12784596
Application Number:	13475480
Application Number:	11313898
Application Number:	10926294

Property Type	Number
Application Number:	10925943
Application Number:	11220126
Application Number:	11159065
Application Number:	11167883
Application Number:	13566221
Application Number:	11024692
Application Number:	10954049
Application Number:	11316268
Application Number:	11010908
Application Number:	11018265
Application Number:	10960259
Application Number:	11577472
Application Number:	13523399
Application Number:	11153650
Application Number:	11295921
Application Number:	12857860
Application Number:	11269358
Application Number:	13858435
Application Number:	11262664
Application Number:	11287131
Application Number:	13245156
Application Number:	11526548
Application Number:	11211158
Application Number:	11280615
Application Number:	11186092
Application Number:	13739903
Application Number:	11236230
Application Number:	11305555
Application Number:	12685505
Application Number:	13267667
Application Number:	11814290
Application Number:	13275956
Application Number:	11315715
Application Number:	11377128
Application Number:	11268845
Application Number:	11271939
Application Number:	11241612
Application Number:	11646693

Property Type	Number
Application Number:	11242029
Application Number:	12119817
Application Number:	11314678
Application Number:	11303990
Application Number:	11265759
Application Number:	12732043
Application Number:	13449143
Application Number:	11241145
Application Number:	11388276
Application Number:	11388379
Application Number:	13523275
Application Number:	11313338
Application Number:	11338118
Application Number:	11172100
Application Number:	11262665
Application Number:	11328199
Application Number:	11325064
Application Number:	11526789
Application Number:	11223246
Application Number:	11264634
Application Number:	11303989
Application Number:	11239111
Application Number:	11481826
Application Number:	11280428
Application Number:	13421390
Application Number:	11304043
Application Number:	11297822
Application Number:	13078503
Application Number:	14267365
Application Number:	11481906
Application Number:	11392908
Application Number:	13446278
Application Number:	14177865
Application Number:	11304019
Application Number:	13269724
Application Number:	11479694
Application Number:	13715421
Application Number:	11305979

Property Type	Number
Application Number:	11311102
Application Number:	13429483
Application Number:	12790937
Application Number:	11289182
Application Number:	11312613
Application Number:	11438565
Application Number:	11533940
Application Number:	11316430
Application Number:	12509528
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Application Number:	12609039
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Application Number:	12786826
Application Number:	11469404
Application Number:	13423774
Application Number:	11580796
Application Number:	11379595
Application Number:	13171921
Application Number:	11313637
Application Number:	11305951
Application Number:	13400274
Application Number:	11540023
Application Number:	12785527
Application Number:	13287181
Application Number:	11395834
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Application Number:	11410747
Application Number:	11427887
Application Number:	11481076
Application Number:	11502509
Application Number:	11395110
Application Number:	11410748
Application Number:	13663544

Property Type	Number
Application Number:	11395601
Application Number:	11432624
Application Number:	11524215
Application Number:	11525615
Application Number:	13164212
Application Number:	13433399
Application Number:	13721383
Application Number:	11365024
Application Number:	11693916
Application Number:	11845930
Application Number:	13676472
Application Number:	11955888
Application Number:	11474648
Application Number:	11476299
Application Number:	11512854
Application Number:	13679276
Application Number:	14019608
Application Number:	14469086
Application Number:	11540272
Application Number:	11531562
Application Number:	11582683
Application Number:	11629547
Application Number:	12278294
Application Number:	13110380
Application Number:	13933330
Application Number:	11523195
Application Number:	13296828
Application Number:	11615545
Application Number:	11693937
Application Number:	13594247
Application Number:	11563284
Application Number:	11537775
Application Number:	11702263
Application Number:	12910477
Application Number:	11533932
Application Number:	12877678
Application Number:	11553750
Application Number:	13152529

Property Type	Number
Application Number:	14165070
Application Number:	11609966
Application Number:	13362319
Application Number:	11536152
Application Number:	11536139
Application Number:	11615294
Application Number:	11615387
Application Number:	11615435
Application Number:	13303566
Application Number:	13928594
Application Number:	11642202
Application Number:	13495184
Application Number:	11608061
Application Number:	11525594
Application Number:	11610788
Application Number:	11537040
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Application Number:	11782895
Application Number:	13916914
Application Number:	11960286
Application Number:	11613313
Application Number:	11714508
Application Number:	12728977
Application Number:	13420720
Application Number:	11616701
Application Number:	11689660
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Application Number:	11713499
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Application Number:	12246321
Application Number:	12123939
Application Number:	12016190
Application Number:	11899118
Application Number:	13526907
Application Number:	12148418
Application Number:	13528483
Application Number:	12015632
Application Number:	12015685

Property Type	Number
Application Number:	13243004
Application Number:	10172283
Application Number:	12204788
Application Number:	12612869
Application Number:	12006279
Application Number:	12333835
Application Number:	13722074
Application Number:	12006151
Application Number:	11986005
Application Number:	12104598
Application Number:	12006291
Application Number:	11964478
Application Number:	13023823
Application Number:	13477366
Application Number:	11962476
Application Number:	13206732
Application Number:	12345815
Application Number:	12250681
Application Number:	13169504
Application Number:	12118410
Application Number:	12182968
Application Number:	13750373
Application Number:	12268008
Application Number:	12241312
Application Number:	12343589
Application Number:	12215350
Application Number:	13004979
Application Number:	12152085
Application Number:	13044598
Application Number:	12249941
Application Number:	12249944
Application Number:	12249946
Application Number:	13173807
Application Number:	12250266
Application Number:	12218147
Application Number:	12340817
Application Number:	13679500
Application Number:	13922843

Property Type	Number
Application Number:	13383971
Application Number:	12638556
Application Number:	12260558
Application Number:	13048614
Application Number:	13667547
Application Number:	12340174
Application Number:	13586620
Application Number:	14195320
Application Number:	13185676
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Application Number:	12344010
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Application Number:	12549534
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Application Number:	12490187
Application Number:	13250034
Application Number:	12503266
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Application Number:	12413150
Application Number:	12492565
Application Number:	13531663
Application Number:	12831496
Application Number:	13666197
Application Number:	13666201
Application Number:	12958470
Application Number:	12347314

Property Type	Number
Application Number:	13162242
Application Number:	12487407
Application Number:	13471712
Application Number:	12412589
Application Number:	13513875
Application Number:	13131932
Application Number:	12575190
Application Number:	13131918
Application Number:	13751599
Application Number:	12518636
Application Number:	12490180
Application Number:	13286241
Application Number:	13256503
Application Number:	12429210
Application Number:	12574872
Application Number:	13589372
Application Number:	12720935
Application Number:	09247915
Application Number:	09501074
Application Number:	08473070
Application Number:	08477285
Application Number:	08342856
Application Number:	08630384
Application Number:	08411442
Application Number:	08566047
Application Number:	09291851
Application Number:	08858776
Application Number:	08501483
Application Number:	08758189
Application Number:	08538921
Application Number:	08636664
Application Number:	08937450
Application Number:	08683863
Application Number:	08700313
Application Number:	08647295
Application Number:	08643540
Application Number:	08717323
Application Number:	08717404

Property Type	Number
Application Number:	08747397
Application Number:	08901198
Application Number:	09405824
Application Number:	08624021
Application Number:	08746963
Application Number:	08868784
Application Number:	08728202
Application Number:	08696272
Application Number:	09440548
Application Number:	08661311
Application Number:	08661312
Application Number:	08710267
Application Number:	08679668
Application Number:	08679090
Application Number:	08822848
Application Number:	08944688
Application Number:	08946383
Application Number:	08982873
Application Number:	09073902
Application Number:	09012127
Application Number:	08421612
Application Number:	09060220
Application Number:	09058693
Application Number:	09144509
Application Number:	09460275
Application Number:	09107097
Application Number:	09137571
Application Number:	09107039
Application Number:	09832708
Application Number:	09118339
Application Number:	09289248
Application Number:	09010391
Application Number:	09833131
Application Number:	09049855
Application Number:	09108468
Application Number:	09108469
Application Number:	09108711
Application Number:	09108751

Property Type	Number
Application Number:	09195573
Application Number:	10241088
Application Number:	09429047
Application Number:	09469982
Application Number:	09108113
Application Number:	09107080
Application Number:	09128350
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Application Number:	09615864
Application Number:	09246578
Application Number:	09314566
Application Number:	09314567
Application Number:	09314563
Application Number:	09100590
Application Number:	09270930
Application Number:	09072410
Application Number:	09252430
Application Number:	09307190
Application Number:	09204930
Application Number:	09253103
Application Number:	09165509
Application Number:	09165507
Application Number:	09165508
Application Number:	09264949
Application Number:	09786529
Application Number:	09412689
Application Number:	09309471
Application Number:	09227237
Application Number:	09256700
Application Number:	10278034
Application Number:	09167792
Application Number:	09167746
Application Number:	09167811
Application Number:	09167916
Application Number:	09167839
Application Number:	09167950
Application Number:	09257075
Application Number:	09274940

Property Type	Number
Application Number:	09274944
Application Number:	09309530
Application Number:	10609290
Application Number:	09330238
Application Number:	09361540
Application Number:	09340477
Application Number:	09340478
Application Number:	10963779
Application Number:	11301162
Application Number:	09290753
Application Number:	09473103
Application Number:	10771201
Application Number:	11188989
Application Number:	09257866
Application Number:	09400132
Application Number:	09351268
Application Number:	09378141
Application Number:	10351780
Application Number:	12341603
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Application Number:	09753342
Application Number:	09478391
Application Number:	09305149
Application Number:	09472668
Application Number:	09667460
Application Number:	09326733
Application Number:	09326022
Application Number:	09326035
Application Number:	09326007
Application Number:	09458402
Application Number:	09458403
Application Number:	09460321
Application Number:	09453340
Application Number:	09455955
Application Number:	13479925
Application Number:	09458190
Application Number:	09460341

Property Type	Number
Application Number:	09453339
Application Number:	09460566
Application Number:	09457209
Application Number:	09307452
Application Number:	09366136
Application Number:	09276056
Application Number:	09276452
Application Number:	09285133
Application Number:	09285550
Application Number:	09285424
Application Number:	09474203
Application Number:	09474477
Application Number:	09417864
Application Number:	09753359
Application Number:	09634046
Application Number:	09353906
Application Number:	09407915
Application Number:	12715602
Application Number:	13758452
Application Number:	09408380
Application Number:	09370984
Application Number:	09417155
Application Number:	09528261
Application Number:	09575266
Application Number:	09618530
Application Number:	09660370
Application Number:	09648273
Application Number:	09438813
Application Number:	09678762
Application Number:	09672114
Application Number:	09639216
Application Number:	09638373
Application Number:	09668220
Application Number:	09668219
Application Number:	09638372
Application Number:	09126875
Application Number:	09807785
Application Number:	09720514

Property Type	Number
Application Number:	08667951
Application Number:	08755431
Application Number:	08798747
Application Number:	09351747
Application Number:	11767563
Application Number:	11767569
Application Number:	11767584
Application Number:	11767632
Application Number:	11767650
Application Number:	12418386
Application Number:	13723707
Application Number:	13724076
Application Number:	13724147
Application Number:	13724209
Application Number:	08796591
Application Number:	08982313
Application Number:	08815663
Application Number:	08901763
Application Number:	08902101
Application Number:	09223972
Application Number:	09223842
Application Number:	09195774
Application Number:	09193277
Application Number:	10777696
Application Number:	09185492
Application Number:	09183002
Application Number:	09054681
Application Number:	09392367
Application Number:	09390865
Application Number:	10823554
Application Number:	09421024
Application Number:	08765293
Application Number:	08628738
Application Number:	08930288
Application Number:	09011571
Application Number:	08739367
Application Number:	09117594
Application Number:	09214448

Property Type	Number
Application Number:	08838608
Application Number:	09194004
Application Number:	09083469
Application Number:	09202423
Application Number:	11055787
Application Number:	11759494
Application Number:	09230011
Application Number:	09230009
Application Number:	09254901
Application Number:	08789974
Application Number:	08975014
Application Number:	08864789
Application Number:	08865492
Application Number:	09319137
Application Number:	08882453
Application Number:	09156019
Application Number:	09015675
Application Number:	09341584
Application Number:	09010387
Application Number:	09065934
Application Number:	09620398
Application Number:	10444404
Application Number:	08914919
Application Number:	08869901
Application Number:	09089796
Application Number:	09006380
Application Number:	09445917
Application Number:	09371983
Application Number:	09089728
Application Number:	08960787
Application Number:	09185932
Application Number:	09185390
Application Number:	09052736
Application Number:	09152838
Application Number:	09156541
Application Number:	11065308
Application Number:	09509089
Application Number:	08991273

Property Type	Number
Application Number:	09057222
Application Number:	09470629
Application Number:	09082102
Application Number:	09049708
Application Number:	09028540
Application Number:	09143466
Application Number:	10233183
Application Number:	09143465
Application Number:	10230050
Application Number:	09072811
Application Number:	09010475
Application Number:	09165053
Application Number:	09157234
Application Number:	09135967
Application Number:	09396987
Application Number:	09114778
Application Number:	09111682
Application Number:	09346323
Application Number:	09349347
Application Number:	09086116
Application Number:	09294708
Application Number:	09222019
Application Number:	09211881
Application Number:	09346322
Application Number:	09190081
Application Number:	09305633
Application Number:	09368280
Application Number:	09368275
Application Number:	09190082
Application Number:	09364132
Application Number:	09219005
Application Number:	09206597
Application Number:	09358977
Application Number:	09281490
Application Number:	09342362
Application Number:	09122433
Application Number:	08666800
Application Number:	09059635

Property Type	Number
Application Number:	08634927
Application Number:	08724655
Application Number:	08398264
Application Number:	08764367
Application Number:	08948034
Application Number:	08595116
Application Number:	08743898
Application Number:	08691056
Application Number:	09054440
Application Number:	09295652
Application Number:	09295714
Application Number:	09361854
Application Number:	08753605
Application Number:	09377049
Application Number:	09401521
Application Number:	08773494
Application Number:	08772257
Application Number:	09355394
Application Number:	08994007
Application Number:	08964023
Application Number:	08934892
Application Number:	08994008
Application Number:	08934736
Application Number:	09119621
Application Number:	08965781
Application Number:	08954469
Application Number:	08994762
Application Number:	08928769
Application Number:	09215466
Application Number:	09046645
Application Number:	09062969
Application Number:	09144111
Application Number:	09144110
Application Number:	09144109
Application Number:	10227413
Application Number:	09184030
Application Number:	08686353
Application Number:	09202898

Property Type	Number
Application Number:	08954468
Application Number:	08873875
Application Number:	08990941
Application Number:	09039579
Application Number:	09361099
Application Number:	09129724
Application Number:	09102016
Application Number:	09153021
Application Number:	09281503
Application Number:	09187975
Application Number:	09065124
Application Number:	09164885
Application Number:	09150314
Application Number:	09327049
Application Number:	10454208
Application Number:	09303310
Application Number:	09249051
Application Number:	10411162
Application Number:	08320849
Application Number:	08443515
Application Number:	08419898
Application Number:	08938630
Application Number:	09292356
Application Number:	08535404
Application Number:	08390715
Application Number:	08534668
Application Number:	09020444
Application Number:	08812834
Application Number:	08721095
Application Number:	08634488
Application Number:	08899794
Application Number:	08753880
Application Number:	08743897
Application Number:	09334184
Application Number:	08912812
Application Number:	08637961
Application Number:	08681504
Application Number:	08588848

Property Type	Number
Application Number:	08796550
Application Number:	08681461
Application Number:	08987216
Application Number:	09244824
Application Number:	10741375
Application Number:	08817000
Application Number:	09233117
Application Number:	08972318
Application Number:	08767499
Application Number:	08929404
Application Number:	08878966
Application Number:	08682127
Application Number:	08812831
Application Number:	08772673
Application Number:	08813031
Application Number:	08690650
Application Number:	09974812
Application Number:	08844840
Application Number:	08929774
Application Number:	08813440
Application Number:	08772256
Application Number:	08818612
Application Number:	08730856
Application Number:	08976423
Application Number:	08773956
Application Number:	09195245
Application Number:	08934672
Application Number:	08985265
Application Number:	08842020
Application Number:	08842036
Application Number:	09071000
Application Number:	08821145
Application Number:	09146232
Application Number:	08958396
Application Number:	08996997
Application Number:	08749688
Application Number:	08947855
Application Number:	08896978

Property Type	Number
Application Number:	08962291
Application Number:	08992581
Application Number:	08987251
Application Number:	08986783
Application Number:	08921028
Application Number:	08988391
Application Number:	08970206
Application Number:	09207255
Application Number:	08996251
Application Number:	09172996
Application Number:	08854266
Application Number:	08774548
Application Number:	08996772
Application Number:	08996765
Application Number:	08812807
Application Number:	08998218
Application Number:	09050013
Application Number:	08992003
Application Number:	09948671
Application Number:	08897603
Application Number:	09223836
Application Number:	09218429
Application Number:	08966212
Application Number:	09136416
Application Number:	09223004
Application Number:	10390734
Application Number:	08977811
Application Number:	08921009
Application Number:	08921013
Application Number:	08827882
Application Number:	09073442
Application Number:	09064552
Application Number:	08867624
Application Number:	08895589
Application Number:	08994966
Application Number:	09001626
Application Number:	09209759
Application Number:	08996034

Property Type	Number
Application Number:	09477679
Application Number:	08996135
Application Number:	09137687
Application Number:	09295215
Application Number:	08997353
Application Number:	08992765
Application Number:	09567030
Application Number:	08997822
Application Number:	09559562
Application Number:	09085226
Application Number:	08948465
Application Number:	08997778
Application Number:	08989647
Application Number:	08971202
Application Number:	08998347
Application Number:	09056096
Application Number:	09756739
Application Number:	09084370
Application Number:	09200436
Application Number:	09217898
Application Number:	09100010
Application Number:	09146341
Application Number:	09080189
Application Number:	09168928
Application Number:	09066701
Application Number:	08989270
Application Number:	08933952
Application Number:	09170973
Application Number:	09105469
Application Number:	08994456
Application Number:	09126855
Application Number:	09170974
Application Number:	09219316
Application Number:	08995539
Application Number:	09307356
Application Number:	11300997
Application Number:	12646404
Application Number:	09182655

Property Type	Number
Application Number:	09050924
Application Number:	08991554
Application Number:	09148154
Application Number:	09002113
Application Number:	09875202
Application Number:	09034905
Application Number:	09031647
Application Number:	09015937
Application Number:	09076633
Application Number:	09069741
Application Number:	09175620
Application Number:	09181823
Application Number:	09221794
Application Number:	09028520
Application Number:	09028519
Application Number:	09040272
Application Number:	09026434
Application Number:	09057528
Application Number:	09281945
Application Number:	09177609
Application Number:	09092851
Application Number:	08965930
Application Number:	09210536
Application Number:	09157533
Application Number:	09057525
Application Number:	09971011
Application Number:	09213271
Application Number:	09092847
Application Number:	09188297
Application Number:	08997990
Application Number:	09041128
Application Number:	09165189
Application Number:	09185635
Application Number:	09049928
Application Number:	09215376
Application Number:	09215262
Application Number:	09150698
Application Number:	09050246

Property Type	Number
Application Number:	09207250
Application Number:	09023084
Application Number:	09207251
Application Number:	09028506
Application Number:	08997989
Application Number:	09134924
Application Number:	09208980
Application Number:	09216935
Application Number:	09098951
Application Number:	09196344
Application Number:	09215377
Application Number:	09356046
Application Number:	09071117
Application Number:	09028512
Application Number:	09206277
Application Number:	09158855
Application Number:	09190292
Application Number:	09201875
Application Number:	09195556
Application Number:	09062727
Application Number:	09151448
Application Number:	09069521
Application Number:	09069400
Application Number:	09069436
Application Number:	09069520
Application Number:	09076634
Application Number:	09111718
Application Number:	09616880
Application Number:	09216975
Application Number:	09131190
Application Number:	09220019
Application Number:	09165351
Application Number:	09218142
Application Number:	09071345
Application Number:	09186643
Application Number:	09222835
Application Number:	09382500
Application Number:	09204263

Property Type	Number
Application Number:	09216928
Application Number:	09154628
Application Number:	09223817
Application Number:	09137688
Application Number:	09218427
Application Number:	09258407
Application Number:	09219317
Application Number:	09218054
Application Number:	09209273
Application Number:	09131051
Application Number:	09217058
Application Number:	09215547
Application Number:	09291186
Application Number:	09286431
Application Number:	10409197
Application Number:	10409702
Application Number:	09220232
Application Number:	09471244
Application Number:	09213769
Application Number:	09748848
Application Number:	09220955
Application Number:	09212429
Application Number:	09411294
Application Number:	09222926
Application Number:	09223818
Application Number:	09375396
Application Number:	09216992
Application Number:	09465705
Application Number:	09312840
Application Number:	09475722
Application Number:	09439501
Application Number:	09386215
Application Number:	09191845
Application Number:	09288565
Application Number:	09189992
Application Number:	09429712
Application Number:	10216397
Application Number:	09191142

Property Type	Number
Application Number:	10147810
Application Number:	09192530
Application Number:	09405003
Application Number:	10747077
Application Number:	11208056
Application Number:	13599461
Application Number:	09395734
Application Number:	09345471
Application Number:	09345472
Application Number:	09420424
Application Number:	09396452
Application Number:	09397968
Application Number:	09338530
Application Number:	08652659
Application Number:	08718746
Application Number:	08866229
Application Number:	08865887
Application Number:	08865692
Application Number:	08768022
Application Number:	08907342
Application Number:	08769649
Application Number:	09432949
Application Number:	09074209
Application Number:	08775162
Application Number:	08781943
Application Number:	08775613
Application Number:	08723709
Application Number:	09037371
Application Number:	09050591
Application Number:	08851672
Application Number:	08864507
Application Number:	08969373
Application Number:	09221909
Application Number:	08992263
Application Number:	08931969
Application Number:	08903865
Application Number:	08939275
Application Number:	08922081

Property Type	Number
Application Number:	08931052
Application Number:	09026089
Application Number:	09221357
Application Number:	09032504
Application Number:	08965279
Application Number:	08969878
Application Number:	08990553
Application Number:	09001282
Application Number:	08957829
Application Number:	09096426
Application Number:	09676236
Application Number:	09038372
Application Number:	08990109
Application Number:	09549790
Application Number:	08940412
Application Number:	08994740
Application Number:	09096657
Application Number:	09219696
Application Number:	09223892
Application Number:	09221382
Application Number:	09219557
Application Number:	09195945
Application Number:	09216674
Application Number:	09176484
Application Number:	09239225
Application Number:	09220549
Application Number:	09211209
Application Number:	09193890
Application Number:	09364792
Application Number:	09220550
Application Number:	09198063
Application Number:	09189605
Application Number:	09169022
Application Number:	09315170
Application Number:	09135204
Application Number:	09212650
Application Number:	10337018
Application Number:	09201997

Property Type	Number
Application Number:	09359818
Application Number:	10288207
Application Number:	09477785
Application Number:	09476638
Application Number:	10832132
Application Number:	09312950
Application Number:	09321864
Application Number:	09412099
Application Number:	09300130
Application Number:	09333841
Application Number:	09357250
Application Number:	09337209
Application Number:	09295030
Application Number:	08994450
Application Number:	08827121
Application Number:	08826171
Application Number:	08997690
Application Number:	08933753
Application Number:	09482638
Application Number:	08916979
Application Number:	08970207
Application Number:	09126994
Application Number:	08928517
Application Number:	09109863
Application Number:	09209681
Application Number:	09223991
Application Number:	08820332
Application Number:	08820335
Application Number:	08842328
Application Number:	08775564
Application Number:	08982471
Application Number:	08982501
Application Number:	08974222
Application Number:	09249696
Application Number:	09207938
Application Number:	09590431
Application Number:	09564971
Application Number:	09218814

Property Type	Number
Application Number:	09209126
Application Number:	09237750
Application Number:	09388366
Application Number:	08667208
Application Number:	08792187
Application Number:	08566664
Application Number:	08600173
Application Number:	08667831
Application Number:	08773521
Application Number:	08865698
Application Number:	08865949
Application Number:	08792188
Application Number:	08792185
Application Number:	08792184
Application Number:	08865943
Application Number:	08865699
Application Number:	09092411
Application Number:	09424790
Application Number:	08623635
Application Number:	08746176
Application Number:	08746230
Application Number:	08942201
Application Number:	08931649
Application Number:	08842605
Application Number:	09001510
Application Number:	08946431
Application Number:	09371781
Application Number:	10625493
Application Number:	12605168
Application Number:	12950749
Application Number:	13429128
Application Number:	13429142
Application Number:	14137420
Application Number:	09224548
Application Number:	09081135
Application Number:	09222927
Application Number:	09222781
Application Number:	09076844

Property Type	Number
Application Number:	09222782
Application Number:	09427711
Application Number:	10351272
Application Number:	09220862
Application Number:	09086299
Application Number:	09383867
Application Number:	08745171
Application Number:	08980761
Application Number:	09220860
Application Number:	09220962
Application Number:	09217910
Application Number:	09224841
Application Number:	09220993
Application Number:	09220963
Application Number:	08691486
Application Number:	09259681
Application Number:	09236159
Application Number:	08917548
Application Number:	09165120
Application Number:	09323779
Application Number:	08139397
Application Number:	08473133
Application Number:	08086176
Application Number:	08275493
Application Number:	07335259
Application Number:	08739077
Application Number:	08200081
Application Number:	08986286
Application Number:	08257975
Application Number:	29092093
Application Number:	08725551
Application Number:	10662603
Application Number:	09702931
Application Number:	13633269
Application Number:	10013678
Application Number:	10698525
Application Number:	10818685
Application Number:	11463181

Property Type	Number
Application Number:	12483690
Application Number:	08846837
Application Number:	08616746
Application Number:	08818665
Application Number:	09108770
Application Number:	09192951
Application Number:	09356225
Application Number:	08447066
Application Number:	08922945
Application Number:	08745504
Application Number:	08549685
Application Number:	08528640
Application Number:	08528907
Application Number:	08809350
Application Number:	08640687
Application Number:	08620414
Application Number:	08594471
Application Number:	08800261
Application Number:	09077809
Application Number:	08753845
Application Number:	08894021
Application Number:	08739365
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Application Number:	12114252
Application Number:	07897477
Application Number:	09078509
Application Number:	11651335
Application Number:	11789658
Application Number:	13924714
Application Number:	08072585

CORRESPONDENCE DATA

Fax Number: (919)238-2301

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 9192382300

Email: jjimerson@wt-ip.com

Correspondent Name: WITHROW & TERRANOVA, PLLC

Address Line 1: 100 REGENCY FOREST DRIVE, SUITE 160

Address Line 4: CARY, NORTH CAROLINA 27518

ATTORNEY DOCKET NUMBER:	7000-000
NAME OF SUBMITTER:	JOHN M. JIMERSON
SIGNATURE:	/John M. Jimerson/
DATE SIGNED:	02/09/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 75

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Patent Assignment

This patent assignment ("Assignment") is entered into as of January 28, 2015 (the "Effective Date"), by and between, on the one hand, Rockstar Consortium US LP, a Delaware limited partnership ("Rockstar LP"), Rockstar Consortium LLC, a Delaware limited liability company ("Rockstar LLC"), Bockstar Technologies LLC, a Delaware limited liability company ("Bockstar"), Constellation Technologies LLC, a Delaware limited liability company ("Constellation"), MobileStar Technologies LLC, a Delaware limited liability company ("MobileStar"), and NetStar Technologies LLC, a Delaware limited liability company ("NetStar", and together with Rockstar LP, Rockstar LLC, Bockstar, Constellation and MobileStar, "Sellers", and each of them, a "Seller"), and, on the other hand, RPX Clearinghouse LLC, a Delaware limited liability company, with principal place of business at One Market Plaza, Steuart Tower, Suite 800, San Francisco, CA 94105 ("Buyer").

WHEREAS, Sellers and Buyer are parties to an Asset Purchase Agreement dated December 22, 2014 (the "Asset Purchase Agreement");

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Sellers hereby irrevocably assign, sell, grant, transfer and convey and agree to assign, sell, grant, transfer, and convey to Buyer, and Buyer hereby accepts and receives, all right, title, and interest throughout the world in and to:

- (a) the Assigned Patents (as hereinafter defined);
- (b) all causes of action (whether known or unknown or whether currently pending, filed or otherwise) and other enforcement rights under or on account of the Assigned Patents, including without limitation all causes of action and other enforcement rights for damages, injunctive relief, and any other remedies of any kind for past, current and future infringement; and
- (c) all rights to collect royalties or other payments under or on account of the Assigned Patents and the foregoing subcategory (b).

"Assigned Patents" means (a) subject to the existing encumbrances, all right, title, and interest throughout the world in and to all patents and patent applications owned by any Seller or its Subsidiaries as of December 22, 2014, including the issued patents and patent applications identified on Schedule 1 attached hereto; (b) all of Sellers' right, title, and interest, as of December 22, 2014 or any time thereafter, throughout the world in and to (i) any and all patents that have issued or may issue from any of the patents or patent applications described in (a) of this definition; (ii) any and all patents and patent applications that, in whole or in part, claim priority to (directly or indirectly), or the benefit of the filing date of (directly or indirectly), any of the patents or patent applications described in (a) or (b)(i) of this definition, including any and all child, continuation, continuation-in-part, continuing prosecution, divisional, provisional, non-provisional, reissue, reexamination, post-grant review, inter partes review, substitution, extension and counterpart patents and patent applications of any of the patents or patents applications described in (a) or (b)(i) of this definition; and (iii) any and all patents and patent applications from which any of the patents or patent applications described in (a) or (b)(i) of this definition, in whole or in part, claim the benefit of priority (directly or indirectly) or otherwise claim the benefit of the filing date (directly or indirectly), including any and all parent patents or patent applications of any of the patents or patent applications described in (a) or (b)(i) of this definition; and (c) any and all extensions or renewals of any of the patents or patent applications described in this definition.

Each Seller agrees that upon request (at the expense of Buyer) Seller will execute and file any document reasonably required to further the purposes of this Assignment (including securing and enforcing Buyer's rights related to this Assignment), provided that each Seller shall be entitled to decline any request that is

not reasonably required to further the purposes of this Assignment (including securing and enforcing Buyer's rights related to this Assignment), and Seller shall promptly file such documents (at Buyer's expense). In the event that Seller is unable or unwilling to do so as reasonably required for the purposes of this Assignment (e.g., because it has liquidated or dissolved or declined a request reasonably required to further the purposes of this Assignment (including securing and enforcing Buyer's rights related to this Assignment)), Seller hereby irrevocably designates, appoints and authorizes Buyer and its duly authorized officers and agents as such Seller's agents and attorneys-in-fact to act for and on its behalf and instead of it to execute and file any such document to further the purposes of this Assignment (including securing and enforcing Buyer's rights related to this Assignment) as provided in the first sentence of this paragraph with the same legal force and effect as if executed by such Seller. Buyer shall be solely responsible for all actions and all costs whatsoever, including but not limited to taxes, attorneys' fees and patent office fees in any jurisdiction, associated with the perfection of Buyer's right, title, and interest in and to the Assigned Patents and recordation and/or registration of this Assignment or any other document evidencing the assignment to Buyer of the Assigned Patents. Each Seller hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any applicable foreign agency to record this Assignment and issue the Assigned Patents to Buyer and its successors, assigns and other legal representatives.

The terms and conditions of this Assignment will inure to the benefit of Buyer, its successors, assigns, and other legal representatives and will be binding upon each Seller, its successors, assigns, and other legal representatives. In the event of any conflict between the terms of this Assignment and the terms of the Asset Purchase Agreement, the terms of the Asset Purchase Agreement shall govern and prevail.

This Assignment shall be governed by and construed in accordance with the domestic laws of the State of Delaware, without giving effect to any choice of law or conflict of law provision or rule (whether of the State of Delaware or any other jurisdiction) that would cause the application of the laws of any jurisdiction other than the State of Delaware.

IN WITNESS WHEREOF, the parties hereto have caused this Assignment to be executed as of the Effective Date. The individuals signing for the parties represent and warrant that he or she has authority to sign for and enter into this Assignment on behalf of the respective parties.

SELLERS

ROCKSTAR CONSORTIUM US LP

Notary Seal:

By: /// 0) Name: Michael Dunleavy

Title: Chief Corporate Counsel and Secretary

Date: January 28, 2015

ROCKSTAR CONSORTIUM LLC

Notary Seal:

Name: Michael Dunleavy Title: Corporate Secretary **Date:** January 28, 2015

BOCKSTAR TECHNOLOGIES LLC

Notary Seal:

N 0.メー Name: Michael Dunleavy

Title: Vice President and Corporate Secretary

Date: January 28, 2015

CONSTELLATION TECHNOLOGIES LLC

Notary Seal:

noxa Name: Michael Dunleavy Title: Corporate Secretary **Date:** January 28, 2015

Notary Seal:

MOBILESTAR TECHNOLOGIES LLC By:

nose Name: Michael Dinleavy Title: Corporate Secretary **Date:** January 28, 2015

NETSTAR TECHNOLOGIES LLC

Notary Seal:

Name: Michael Dunleavy Title: Corporate Secretary **Date:** January 28, 2015

CONFIDENTIAL

Buyer:

RPX CLEARINGHOUSE LLC

Bv:

Name: Martin Roberts
Title: Secretary
Date: January 28, 2015

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	i ve						
10823RO	US	09/604,807	#EMPTY	Filed	28-Jun-00	+	METHOD AND SYSTEM FOR DISPLAYING AND PROVIDING COMMUNICATION OPTIONS
11033RR	US	13/297,575	#EMPTY	Filed	16-Nov-11		SESSION INITIATION PROTOCOL ENABLED SET-TOP DEVICE
12660RO	US	09/783,002	#EMPTY	Filed	15-Feb-01		PHOTONIC NETWORK NODE
13543RO	US	10/181,288	#EMPTY	Filed	12-Jul-02	#EMPTY	SYSTEM AND METHOD FOR INTERCEPTING TELECOMMUNICATIONS
13767BA	US	12/241,539	#EMPTY	Filed	30-Sep-08	#EMPTY	SYSTEM, DEVICE, AND METHOD FOR MANAGING ALTERNATE SITE SWITCHING IN AN OPTICAL COMMUNICATION SYSTEM
14172RG	US	10/196,825	#EMPTY	Filed	17-Jul-02	#EMPTY	RECOVERY METHOD FOR CABLE MODEMS
14673AL	US	10/170,149	#EMPTY	Filed	11-Jun-02	#EMPTY	A METHOD AND APPARATUS FOR OPTIMIZED PATTERN MATCHING
14978BA	US	10/077,987	#EMPTY	Filed	20-Feb-02	#EMPTY	TECHNNIQUE FOR EXCHANGING RECEIVER INFORMATION IN A PROTOCOL INDEPENDENT MULTICAST-SPARE MODE ENVIRONMENT
15278BA	US	10/301,713	#EMPTY	Filed	22-Nov-02	#EMPTY	TECHNIQUE FOR EVACUATING DIGITAL DATA OVER OPTICAL NETWORKS
15409ID	US	10/185,097	#EMPTY	Filed	28-Jun-02	#EMPTY	OPTICAL COMMUNICATIONS SYSTEM
15702RO	US	10/435,326	#EMPTY	Filed	9-May-03	#EMPTY	METHOD AND APPARATUS FOR ALLOCATING NETWORK RESOURCES FOR GRID APPLICATIONS
15725RO	US	11/488,799	#EMPTY	Filed	19-Jul-06	#EMPTY	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
15782RO	US	10/410,949	#EMPTY	Filed	10-Apr-03	#EMPTY	INTEGRATING TELEPHONE LINES WITH PACKET CONNECTIONS
15901RO	US	13/405,846	#EMPTY	Filed	27-Feb-12	#EMPTY	REDUCED CIRCUIT TRACE ROUGHNESS FOR IMPROVED SIGNAL PERFORMANCE
16093RO	US	10/784,743	#EMPTY	Filed	23-Feb-04	#EMPTY	HANDOFF FROM CELLULAR NETWORK TO WLAN NETWORK
16129RO	US	10/747,967	#EMPTY	Filed	29-Dec-03	#EMPTY	APPARATUS AND METHOD FOR MULTIHOP MPLS/IP/ATM/FRAME RELAY/ETHERNET PSEUDO-WIRE
16419RR	US	10/748,938	#EMPTY	Filed	30-Dec-03	#EMPTY	FLEXIBLE CONTROL FOR MEDIA SERVICES
16484RN	US	13/226,872	#EMPTY	Filed	7-Sep-11	#EMPTY	AUTODISCOVERY FOR VIRTUAL NETWORKS
16520RN	US	13/334,979	#EMPTY	Filed	22-Dec-11	#EMPTY	BUDDY LISTS FOR INFORMATION VEHICLES
16597RO	US	10/941,201	#EMPTY	Filed	15-Sep-04	#EMPTY	NETWORK MEDIA GATEWAY
16673RO	US	10/813,230	#EMPTY	Filed	31-Mar-0	#EMPTY	INTEGRATED AND SECURE ARCHITECTURE FOR DELIVERY OF COMMUNICATIONS SERVICES IN A HOSPITAL
16691RN	US	12/540,030	#EMPTY	Filed	12-Aug-09		AUTOMATED SESSION ADMISSION
16692RO	US	13/416,142	#EMPTY	Filed		#EMPTY	METHOD AND APPARATUS FOR ENABLING ENHANCED CONTROL OF TRAFFIC PROPAGATION THROUGH A NETWORK FIREWALL
16772RN	US	11/032.632	#EMPTY	Filed		#EMPTY	AUTOMATED FEATURE INVOKING
16783SC	US	13/252,595	#EMPTY	Filed		#EMPTY	METHOD AND APPARATUS FOR INTERFACING A CUSTOMER WITH A CALL CENTER
16798RO	US	10/890,043	#EMPTY	Filed		#EMPTY	SERVICE INSTANCE REGISTRY
16805RO	US	10/880,199	#EMPTY	Filed		#EMPTY	TECHNIQUE FOR COOPERATIVE DISTRIBUTION OF VIDEO CONTENT
16840RO	US	13/289,126	#EMPTY	Filed		#EMPTY	METRO ETHERNET SERVICE ENHANCEMENTS
17064ID	US	10/956,323	#EMPTY	Filed		#EMPTY	SENSOR NETWORK
17075BA	US	10/922,709	#EMPTY	Filed	20-Aug-04		METHOD AND APPARATUS FOR MANAGING INTERFACES ON A NETWORK ELEMENT
17103RN	US	11/040,684	#EMPTY	Filed	20-Aug-0- 20-Jan-0		DYNAMIC CALL PROCESSING CONTROL FROM A TELEPHONY TERMINAL
	US			Filed			SWITCHING DEVICE. METHOD, AND COMPUTER PROGRAM FOR MONITORING FLOW TRAFFIC
17131SS		12/577,639	#EMPTY		12-Oct-09		
17307AB	US	11/364,251	#EMPTY	Filed	28-Feb-06		SPEECH QUALITY MEASUREMENT BASED ON CLASSIFICATION-ESTIMATION METHOD AND SYSTEM FOR DYNAMIC SERVICES DISCOVERY WITH DYNAMIC DNS FOR PEER TO PEER TELEPHONY SERVICES
17371AB	US	11/316,000	#EMPTY	Filed	22-Dec-05		
17386RO	US	13/531,678	#EMPTY	Filed	25-Jun-12		SECURE, DIFFERENTIATED READING OF SENSORS AND RFID TAGS
17460FR	US	11/270,319	#EMPTY	Filed		#EMPTY	ATM OVER ETHERNET SCHEDULER
17462RO	US	12/094,623	#EMPTY	Filed	22-May-08		SESSION INITIATION PROTOCOL (SIP) MULTICAST MANAGEMENT METHOD
17559RN	US	11/268,887	#EMPTY	Filed		#EMPTY	USING COOKIES WITH INTERACTIVE COMMUNICATION SESSIONS AND WEB SESSIONS
17620BA	US	12/966,733	#EMPTY	Filed	13-Dec-10		METHOD AND APPARATUS FOR SPECIFYING IP TERMINATION IN A NETWORK ELEMENT
17697SS	US	11/268,419	#EMPTY	Filed		#EMPTY	DETERMINING TRANSMISSION LATENCY IN NETWORK DEVICES
17698RR	US	11/214,394	#EMPTY	Filed	29-Aug-0		SEPARATION OF SESSION AND SESSION CONTROL
17717RO	US	13/167,251	#EMPTY	Filed	23-Jun-11		VIRTUAL ROUTERS FOR GMPLS NETWORKS
17743HU	US	13/713,548	#EMPTY	Filed	13-Dec-12		DYNAMIC HIERARCHICAL ADDRESS RESOURCE MANAGEMENT ARCHITECTURE, METHOD AND APPARATUS
17760RO	US	11/251,252	#EMPTY	Filed		#EMPTY	METHOD AND APPARATUS FOR PRESERVING PACKETS DURING NETWORK CONGESTION
17769RO	US	13/680,391	#EMPTY	Filed	19-Nov-12		SYSTEM AND METHOD FOR TRANSPARENT SINGLE SIGN-ON
17793RO	US	11/615,249	#EMPTY	Filed	22-Dec-06	#EMPTY	TECHNIQUE FOR DYNAMICALLY CONTROLLING DELIVERY OF CONTENT
17800RR	US	11/471,872	#EMPTY	Filed	21-Jun-06	#EMPTY	SYSTEM AND METHOD FOR SECURE DIGITAL VIDEO
17820RN	US	11/321,207	#EMPTY	Filed	29-Dec-05	#EMPTY	INTERACTIVE TELEVISION SERVICES
17927RO	US	12/064,477	#EMPTY	Filed	22-Feb-08	#EMPTY	METHOD FOR ESTABLISHING MULTI SEGMENT PSEUDOWIRE ACROSS DOMAINS HAVING DIFFERENT PSEUDOWIRE SIGNALING PROTOCOL
17935RO	US	12/886,630	#EMPTY	Filed	21-Sep-10	#EMPTY	FORWARDING PLANE DATA COMMUNICATIONS CHANNEL FOR ETHERNET TRANSPORT NETWORKS
17939RO	US	11/312,675	#EMPTY	Filed	20-Dec-05	#EMPTY	FACILITATING INTEGRATED WEB AND TELECOMMUNICATION SERVICES WITH COLLABORATING WEB AND TELECOMMUNICATION CLIENTS
17965BA	US	11/469,395	#EMPTY	Filed	31-Aug-06	#EMPTY	TENDER-BID METHOD AND ARCHITECTURE FOR INTELLIGENT NETWORK RESOURCE DEPLOYMENT
17965BA	US	11/469,422	#EMPTY	Filed	31-Aug-06	#EMPTY	WORKFLOW LOCKED LOOPS TO ENABLE ADAPTIVE NETWORKS
18047BA	US	12/096,238	#EMPTY	Filed	5-Jun-08	#EMPTY	DYNAMIC SENSOR NETWORK REGISTRY

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18052BA	US	12/096,229	#EMPTY	Filed	5-Jun-08 #EMPTY	SELECTIVE MULTICASTING OF SENSOR DATA FOR RELIABLE DELIVERY
18053RO	US	11/457,649	#EMPTY	Filed	14-Jul-06 #EMPTY	CONFIGURATION REPLICATION ACROSS SYSTEMS
18082RO	US	11/502,570	#EMPTY	Filed	11-Aug-06 #EMPTY	SYSTEM AND METHOD FOR DYNAMICALLY RE-DIRECTING COMMUNICATIONS SESSIONS BASED ON LOCATION-ENHANCED INFORMATION
18096RO	US	11/475,524	#EMPTY	Filed	27-Jun-06 #EMPTY	CALLER-CONTROLLED ALERTING SIGNALS
18114RO	US	11/419,875	#EMPTY	Filed	23-May-06 #EMPTY	METHOD AND SYSTEM FOR INDICATING PRIVACY FOR AUDIO COMMUNICATIONS
18122RO	US	11/529,221	#EMPTY	Filed	29-Sep-06 #EMPTY	METHOD AND SYSTEM FOR PREDICTING THE ADOPTION OF SERVICES, SUCH AS TELECOMMUNICATION SERVICES
18131SS	US	11/480,316	#EMPTY	Filed	30-Jun-06 #EMPTY	METHOD AND APPARATUS FOR USER REGISTRATION INFORMATION CACHING IN A NETWORK DEVICE
18140RO	US	11/429,564	#EMPTY	Filed	5-May-06 #EMPTY	BUSINESS PRESENCE INFORMATION
18189RO	US	11/536,304	#EMPTY	Filed	28-Sep-06 #EMPTY	SYSTEM AND METHOD FOR JOINING A CONFERENCE CALL OR MULTIMEDIA CONFERENCE
18206RN	US	13/276,833	#EMPTY	Filed	19-Oct-11 #EMPTY	CLOSED CAPTIONING LANGUAGE TRANSLATION
18213RO	US	11/531,993	#EMPTY	Filed	14-Sep-06 #EMPTY	DIGITAL MEDIA RECORDER BASED ADVERTISING
18219RO	US	11/761,339	#EMPTY	Filed	11-Jun-07 #EMPTY	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS
18317RR	US	11/963,322	#EMPTY	Filed	12-Dec-07 #EMPTY	CONVERGED NETWORK REAL-TIME MONITORING FOR LAWFUL CALL INTERCEPT
18341RO	US	12/299,719	#EMPTY	Filed	5-Nov-08 #EMPTY	INTERWORKING POINT TO POINT PROTOCOL FOR DIGITAL SUBSCRIBER LINE ACCESS WITH ETHERNET CONNECTIONS IN THE AGGREGATION NETWORK
18352RO	US	11/535,677	#EMPTY	Filed	27-Sep-06 #EMPTY	ACTIVE SOURCE IDENTIFICATION FOR CONFERENCE CALLS
18458RO	US	11/766,271	#EMPTY	Filed	21-Jun-07 #EMPTY	ADAPTIVE RESPONSE SYSTEM FOR EVENT DRIVEN NETWORKS
18471RO	US	13/465,648	#EMPTY	Filed	7-May-12 #EMPTY	METHOD AND APPARATUS FOR ESTABLISHING FORWARDING STATE USING PATH STATE ADVERTISEMENTS
18474RO	US	11/600,492	#EMPTY	Filed	16-Nov-06 #EMPTY	SYSTEM AND METHOD FOR DELIVERING PACKET DATA OVER A MULTIPLICITY OF COMMUNICATION LINKS
18483RO	US	11/867,288	#EMPTY	Filed	5-Jul-07 #EMPTY	SYSTEM AND METHOD FOR PROVIDING NETWORK APPLICATION PERFORMANCE MANAGEMENT IN A NETWORK
18487RO	US	11/617,189	#EMPTY	Filed	28-Dec-06 #EMPTY	LOAD BALANCING FOR MULTICAST STREAM PROCESSORS
18560ID	US	11/944,814	#EMPTY	Filed	26-Nov-07 #EMPTY	APPARATUS AND METHOD FOR MANAGING COMMUNICATION BETWEEN PARTIES
18562RO		11/960,317	#EMPTY	Filed	19-Dec-07 #EMPTY	REAL TIME COMMUNICATION BETWEEN WEB AND SIP END POINTS
18572ID	US	11/964,753	#EMPTY	Filed	27-Dec-07 #EMPTY	METHOD AND APPARATUS FOR TEH CONTROL AND ANALYSIS OF ACTIVITY IN A TELECOMMUNICATIONS NETWORK
18579RN		11/610.878	#EMPTY	Filed	14-Dec-06 #EMPTY	MEDIA CONTEXT INFORMATION
18611RO	US	11/960,341	#EMPTY	Filed	19-Dec-07 #EMPTY	DELAYED MULITMEDIA SESSION
18620ID		11/755,205	#EMPTY	Filed	30-May-07 #EMPTY	MULTI-LINGUAL CONFERENCE CALL
18654RO	_	11/732,381	#EMPTY	Filed	3-Apr-07 #EMPTY	ENGINEERED PATHS IN A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18656RO	_	11/961,833	#EMPTY	Filed	20-Dec-07 #EMPTY	PROVIDING PRESENCE INFORMATION ACROSS DISPARATE DOMAINS
18666RO		11/724,981	#EMPTY	Filed	16-Mar-07 #EMPTY	ETHERNET OAM AT INTERMEDIATE NODES IN A PBT NETWORK
18669RO		13/301,142	#EMPTY	Filed	21-Nov-11 #EMPTY	ROLE BASED SERVICES
18670SS		12/002,361	#EMPTY	Filed	17-Dec-07 #EMPTY	CIRCUIT BOARD WITH SIGNAL LAYERS OF DIFFERENT DIMENSIONS TO COMMUNICATE SIGNALS OF DIFFERENT FREQUENCIES
18682RO	US	11/773,745	#EMPTY	Filed	5-Jul-07 #EMPTY	FACILITATING AUTOMATIC PROTECTION SWITCHING FOR PROVIDER BACKBONE NETWORK
18695ID		11/964,534	#EMPTY	Filed	26-Dec-07 #EMPTY	REDUCING CONFIGURATION OF OAM SIGNALLING DATA
18698RN		12/183,616	#EMPTY	Filed	31-Jul-08 #EMPTY	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
18755RO	US	13/358,852	#EMPTY	Filed	26-Jan-12 #EMPTY	BORDER GATEWAY PROTOCOL PROCUDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
18766RO		12/334,202	#EMPTY	Filed	12-Dec-08 #EMPTY	SHARING EXPRESSION INFORMATION AMONG CONFERENCE PARTICIPANTS
18823RN		12/151,684	#EMPTY	Filed	8-May-08 #EMPTY	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18850RO		12/210,047	#EMPTY	Filed	12-Sep-08 #EMPTY	RANKING SEARCH RESULTS BASED ON AFFINITY CRITERIA
18864AB		11/954,097	#EMPTY	Filed	11-Dec-07 #EMPTY	INTEGRATING NON-XML PROTOCOLS INTO WEB BROWSING APPLICATIONS
18870RO		11/850,340	#EMPTY	Filed	5-Sep-07 #EMPTY	SYSTEM AND METHODS FOR DETECTING MALICIOUS MAIL FROM SPAM ZOMBIES
18941RO		12/179.289	#EMPTY	Filed	24-Jul-08 #EMPTY	URL STORAGE IN ASSOCIATION WITH DELIVERY OF VIDEO CONTENT
18942RR		11/932,487	#EMPTY	Filed	31-Oct-07 #EMPTY	MULTI MEDIA SUBSYSTEM REGISTRATION BASED ON CIRCUIT-SWITCHED SUBSYSTEMREGISTRATION
18967RO		12/167,460	#EMPTY	Filed	3-Jul-08 #EMPTY	PLAYLIST EXECUTION IN A SCHEDULED PROGRAMMING ENVIRONMENT
18996RO		11/955,950	#EMPTY	Filed	13-Dec-07 #EMPTY	METHOD AND SYSTEM FOR USING PROTOCOL CHECKSUMS TO CONVEY DATA
19012RN	_	12/151,682	#EMPTY	Filed	8-May-08 #EMPTY	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19051BA		12/262,200	#EMPTY	Filed	31-Oct-08 #EMPTY	INTERNAL MAINTENANCE ASSOCIATION END POINT (MEP) FOR SHARING STATE INFORMATION
19085RO	US	12/196,523	#EMPTY	Filed	22-Aug-08 #EMPTY	METHOD AND SYSTEM FOR LOCATION-BASED ADVERTISING INTELLIGENCE AGGREGATION
19097RO	US	13/561,040	#EMPTY	Filed	29-Jul-12 #EMPTY	CONTINUITY CHECK MANAGEMENT IN A LINK STATE CONTOLLED ETHERNET NETWORK
19098RO	US	13/446,469	#EMPTY	Filed	13-Apr-12 #EMPTY	MULTI-POINT AND ROOTED MULTI-POINT PROTECTION SWITCHING
19116RO	_	12/341,335	#EMPTY	Filed	22-Dec-08 #EMPTY	TARGETED ADVERTISING SYSTEM AND METHOD
19143RO	_	12/493,620	#EMPTY	Filed	29-Jun-09 #EMPTY	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIOVISUAL ASSESTS
19144RO		12/343,999	#EMPTY	Filed	24-Dec-08 #EMPTY	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
		12/347,212	#EMPTY	Filed	31-Dec-08 #EMPTY	A METHOD AND APPARATUS TO SECURELY EMBED VOIP AND MULTIMEDIA STREAM SESSION KEYSTO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING
19217ID	_	12/190,209	#EMPTY	Filed	12-Aug-08 #EMPTY	VIDEO HEAD-END
1321710	los	14/ 130,403	MEINILII	riicu	17.WAR.AOTHEMILI	FIDEO HEND END

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		12/344,529	#EMPTY	Filed	28-Dec-08		METHOD AND APPARATUS FOR DISSEMINATING INFORMATION IN AN ENTERPRISE ENVIRONMENT
		12/394,093	#EMPTY	Filed	27-Feb-09		USING RUNTIME GOVERNANCE FEEDBACK TO DYNAMICALLY ADJUST PERFORMANCE AND AVAILABILITY MODEL OF SERVICE ORIENTED ARCHITECTURE APPLICATION
		12/259,560	#EMPTY	Filed	28-Oct-08		PROVISIONED PROVIDER LINK STATE BRIDGING (PLSB) WITH ROUTED BACK-UP
		12/169,189	#EMPTY	Filed		#EMPTY	METHOD AND SYSTEM FOR ROUTE SYNCHRONIZATION USING TIME SYNCHRONIZATION
		12/390,971	#EMPTY	Filed	23-Feb-09		NETWORK PERFORMABILITY
		12/267,571	#EMPTY	Filed	8-Nov-08		METHOD AND APPARATUS FOR IMPLEMENTING CONTEXTUAL NETWORK USAGE MONITORING
		12/342,174	#EMPTY	Filed	23-Dec-08		MULTISEGMENT LOSS PROTECTION
		12/168,678	#EMPTY	Filed		#EMPTY	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING
19551RO	US	12/626,975	#EMPTY	Filed	30-Nov-09		IIN-BAND SIGNALLING FOR POINT-POINT PACKET PROTECTION SWITCHING
	US	12/458,108	#EMPTY	Filed	30-Jun-09		PERSONAL STATUS COMMUNICATIONS MANAGER
		13/132,464	#EMPTY	Filed		#EMPTY	MULTIPLE REDUNDANT GNSS SYNCHRONIZATION SYSTEM
		12/341,845	#EMPTY	Filed	22-Dec-08		SELECTIVE DATABASE REPLICATION
19670RR	US	13/277,781	#EMPTY	Filed	20-Oct-11	#EMPTY	COLLABORATION AGENT
		12/494,594	#EMPTY	Filed	30-Jun-09		ANALYSIS OF PACKET-BASED VIDEO CONTENT
19762IY	US	12/323,002	#EMPTY	Filed	25-Nov-08	#EMPTY	CONTEXT-BASED NETWORK SECURITY
19792RO	US	13/119,630	#EMPTY	Filed	17-Mar-11	#EMPTY	METHOD AND SYSTEM FOR SPACE COCE TRANSMIT DIVERSITY OF PUCCH
19847RO	US	13/547,326	#EMPTY	Filed	12-Jul-12	#EMPTY	METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESSES
BA0415	US	09/460,589	#EMPTY	Filed	14-Dec-99	#EMPTY	USING DISTANCE-VECTOR INFORMATION TO COMPUTE NON-SHORTEST-PATH ROUTES FOR A LINK-STATE ROUTING PROTOCOL
ID0532	US	11/759,481	#EMPTY	Filed	7-Jun-07	#EMPTY	ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
ID0532	US	11/759,508	#EMPTY	Filed	7-Jun-07	#EMPTY	ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
ID0532	US	12/632,400	#EMPTY	Filed	7-Dec-09	#EMPTY	ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
11310BA	US	14/230,279	#EMPTY	Filed	31-Mar-14	#EMPTY	MULTI-MODE ENDPOINT IN A COMMUNICATION NETWORK SYSTEM AND METHODS THEREOF
11925DM	US	14/324,787	#EMPTY	Filed	7-Jul-14	#EMPTY	METHOD TO PROCESS A CALL REQUEST
12278BA	US	14/333,538	#EMPTY	Filed	17-Jul-14	#EMPTY	TELEVISION DELIVERY SYSTEM
13033ID	US	09/731,399	6,519,390	Granted	6-Dec-00	11-Feb-03	CHIRPED BRAGG GRATING REFLECTORS AND ADJUSTABLE DISPERSION APPARATUS INCORPORATING SUCH GRATINGS
13218SS	US	14/133,936	#EMPTY	Filed	19-Dec-13	#EMPTY	DYNAMIC ASSIGNMENT OF TRAFFIC CLASSES TO A PRIORITY QUEUE IN A PACKET FORWARDING DEVICE
13218SS	US	14/134,230	#EMPTY	Filed	19-Dec-13	#EMPTY	DYNAMIC ASSIGNMENT OF TRAFFIC CLASSES TO A PRIORITY QUEUE IN A PACKET FORWARDING DEVICE
13317SS	US	14/336,116	#EMPTY	Filed	21-Jul-14	#EMPTY	DISTRIBUTED NETWORK ADDRESS TRANSLATION CONTROL
14830RO	US	13/872,458	#EMPTY	Filed	29-Apr-13	#EMPTY	FRAMEWORK FOR SERVICE PERSONALIZATION
14845SS	US	14/287,762	#EMPTY	Filed	27-May-14	#EMPTY	PASSIVE OPTICAL LOOPBACK
14869RO	US	14/257,256	#EMPTY	Filed	21-Apr-14	#EMPTY	TECHNIQUE FOR ENABLING A PLURALITY OF SOFTWARE COMPONENTS TO COMMUNICATE IN A SOFTWARE COMPONENT MATRIX ENVIRONMENT
16015BA	US	14/194,933	#EMPTY	Filed	3-Mar-14	#EMPTY	PROVIDING-RELAY PROTECTION IN SYSTEMS USING GROUP SECURITY ASSOCIATIONS
16346BA	US	13/892,562	#EMPTY	Filed	13-May-13	#EMPTY	SYSTEM FOR MANAGING SESSIONS AND CONNECTION IN A NETWORK
16604RO	US	14/335,330	#EMPTY	Filed	18-Jul-14	#EMPTY	TECHNIQUE FOR END-TO-END ADMISSION CONTROL OF REAL-TIME PACKET FLOWS
16670ID	US	13/848,578	#EMPTY	Filed	21-Mar-13		VIAN SUPPORT OF DIFFERENTIATED SERVICES
16991ID		13/652,109	#EMPTY	Filed	15-Oct-12		BROKERING NETWORK RESOURCES
	US	14/291,150	#EMPTY	Filed	30-May-14		GENERIC SNMP INFORMATION COLLECTION
		14/087,211	#EMPTY	Filed	22-Nov-13		LAYER-2 TO MPIS SERVICE MEDIATION ARCHITECTURE
		13/867,237	#EMPTY	Filed	22-Apr-13		#EMPTY
	US	13/896,810	#EMPTY	Filed	17-May-13		RESOURCE CONSERVATION FOR PACKET TELEVISION SERVICES
	US	14/252,474	#EMPTY	Filed	14-Apr-14		METHOD AND APPARATUS FOR DETECTING A FAULT ON AN OPTICAL FIBER
		13/971.469	#EMPTY	Filed	20-Aug-13		METHOD AND APPARATUS FOR PROVIDING AVAILABILITY METRICS FORMEASUREMENT AND MANAGEMENT OF ETHERNET SERVICES
		13/896,762	#EMPTY	Filed	17-May-13		METHOD AND APPARATUS FOR DETECTING UNSOLICITED MULTIMEDIA COMMUNICATIONS
	US	14/030,642	#EMPTY	Filed	18-Sep-13		SYSTEM AND METHOD FOR DYNAMICALLY RE-CONFIGURING COMMUNICATIONS SESSION ROUTING BASED ON LOCATION INFORMATION
		14/187,862	#EMPTY	Filed	24-Feb-14		METHOD AND APPARATUS FOR ENABLING COMMUTER GROUPS
	US	13/715,437	#EMPTY	Filed	14-Dec-12		MULTICAST IMPLEMENTATION IN A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
	US	14/340,916	#EMPTY	Filed	25-Jul-14		CALL SERVER SELECTION
	US	14/286,235	#EMPTY	Filed	23-May-14		INTERGRATED WEB PORTAL FOR FACILITATING COMMUNICATIONS WITH AN INTENDED PARTY
		14/165,791	#EMPTY	Filed	25-IVIAY-14 28-Jan-14		BIFURCATED CONFERENCING FUNCTIONS
	US	14/245,168	#EMPTY	Filed			BIFURCATED CONFERENCING FUNCTIONS
			#EMPTY			_	METHOD AND SYSTEM FOR CUENT CONTEXT DISSEMINATION FOR WEB-BASED APPLICATIONS
	US	14/034,187	_	Filed	23-Sep-13		
$\overline{}$		14/291,121	#EMPTY	Filed	30-May-14		FAILURE NOTIFICATION IN A NETWORK HAVING SERIALLY CONNECTED NODES DISTRIBUTED CONNECTION ESTABLISHMENT AND RESTORATION
		14/298,487	#EMPTY	Filed			
18923RO	US	14/075,305	#EMPTY	Filed	8-Nov-13	#EMPIT	TIE-BREAKING IN SHORTEST PATH DETERMINATION

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1902280	US	14/136 906	#EMPTY	Eled	20-Dec-13 #EMPTY	TIF-BREAKING IN SHORTEST PATH DETERMINATION
18923RO 19277RO		14/136,806 14/154,856	#EMPTY	Filed		BREAK BEFORE MAKE FORWARDING INFORMATION BASE (FIB) POPULATION FOR MULTICAST
	US	14/084,376	#EMPTY	Filed		LINK BUNDLE CO-ROUTED VCAT VIA RSVP MESSGE BUNDLING
		13/897,812	#EMPTY	Filed		BANDWITH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL
		14/094,286	#EMPTY	Filed		MOBILE FAST ALERTING
		14/216,278	#EMPTY	Filed		TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING
	US	14/176,223	#EMPTY	Filed	10-Feb-14 #EMPTY	METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF MULTIPLE PHYSICALLY DUAL HOMEDDEVICES
19802IY	US	14/311,434	#EMPTY	Filed		DISTRIBUTED AUTHENTICATION, AUTHORIZATION AND ACCOUNTING
	US	14/299,118	#EMPTY	Filed		METHOD AND APPARATUS FOR SELECTING BETWEEN MULTIPLE EQUAL COST PATHS
	_	14/313,261	#EMPTY	Filed		SYSTEM, DEVICE AND METHOD FOR DISTRIBUTING LINK STATE INFORMATION IN A COMMUNICATION NETWORK
10391RO	US	13/797,226	#EMPTY	Filed		OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
		13/797,255	#EMPTY	Filed		OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
		12/982,542	#EMPTY	Filed		CALL FEATURES FOR AUTOMATIC CALL DISTRIBUTION SYSTEM
	US	13/168,802	#EMPTY	Filed		METHOD, APPARATUS, PROCESSOR-READABLE MEDIA AND SIGNALS FOR ACQUIRING AND PRESENTING ACQUIRED MULTIMEDIA CONTENT
11801ID	US	09/557,890	#EMPTY	Filed		OPTICAL COMMUNICATIONS NETWORK
11965RO		13/958,806	#EMPTY	Filed		OPTICAL SWITCH WITH POWER EQUALIZATION
		13/183,732	#EMPTY	Filed	- v	APPARATUS AND METHOD FOR PACKET-BASED MEDIA COMMUNICATIONS
		13/755,320	#EMPTY	Filed		FAST LIVENESS PROTOCOL (FUP)
12230RN	US	14/024,829	#EMPTY	Filed		FAST LIVENESS PROTOCOL (FLIP)
		14/025,004	#EMPTY	Filed		FAST LIVENESS PROTOCOL (FLIP)
		14/026,237	#EMPTY	Filed		FAST LIVENESS PROTOCOL (FLIP)
	US	14/026,357	#EMPTY	Filed		FAST LIVENESS PROTOCOL (FLIP)
	US	14/035,002	#EMPTY	Filed		FAST LIVENESS PROTOCOL (FLIP)
		09/716,408	#EMPTY	Filed		SYSTEM AND METHOD FOR AUTHORIZING SOFTWARE USE OVER A NETWORK
			#EMPTY	Filed		DYNAMIC PRESENCE MANAGEMENT
14077ID	US	10/034,431 10/023,169	#EMPTY	Filed		INTERNET CONTENT DELIVERY
		09/981,444	#EMPTY	Filed		ADAPTIVE SOFTWARE INTERFACE
		11/601,394	#EMPTY	Filed		PROVIDING TELEPHONY SERVICES TO TERMINALS BEHIND A FIREWALL AND/OR A NETWORK ADDRESS TRANSLATOR
		13/936,506	#EMPTY	Filed		PROVIDING TELEPHONY SERVICES TO TERMINALS BEHIND A FIREWALL AND/OR A NETWORK ADDRESS TRANSLATOR
14529RR	US	13/936,547	#EMPTY	Filed	8-Jul-13 #EMPTY	PROVIDING TELEPHONY SERVICES TO TERMINALS BEHIND A FIREWALL AND/OR A NETWORK ADDRESS TRANSLATOR
		12/883,996	#EMPTY	Filed		OVERLAY VIEW METHOD AND SYSTEM FOR REPRESENTING NETWORK TOPOLOGY
		-	7,173,937			INTELLECTUAL ADDRESS REGISTRATION FOR OPTICAL USER-NETWORK INTERFACE
	US	10/106,366	#EMPTY			TECHNIQUE FOR DELIVERING AND ENFORCING NETWORK QUALITY OF SERVICE TO MULTIPLE OUTSTATIONS
14779RO		12/850,896		Filed	5-Aug-10 #EMPTY	RATE-CONTROLLED OPTICAL BURST SWITCHING
14796RO	US	14/317,489	#EMPTY	Filed	27-Jun-14 #EMPTY	
14945RN	US	14/142,303	#EMPTY	Filed		TELEPHONY USAGE DERIVED PRESENCE INFORMATION SECURE CROWN COMMUNICATIONS
	_	13/645,137	#EMPTY	Filed		SECURE GROUP COMMUNICATIONS OUG 13 NONE, PLEVIDLE ON DEMAND CHIEFLING MODE FOR ETHERNET CASE ATMA AND FRAME RELAY.
		10/658,701	#EMPTY	Filed	· · · · · · · · · · · · · · · · · · ·	SVC-L2 VPNS: FLEXIBLE ON DEMAND SWITCHED MPLS/IP LAYER-2 VPNS FOR ETHERNET SVC, ATM, AND FRAME RELAY MULTI-STAGED SERVICES POLICING
		13/164,227	#EMPTY	Filed		
		10/813,003	#EMPTY	Filed		MEMORY PROTECTION SYSTEMS AND METHODS FOR WRITABLE MEMORY ALTO, COMPRESSION FOR MEDIA OUED ID.
		14/169,646	#EMPTY	Filed		AUTO-COMPRESSION FOR MEDIA OVER IP
15990SS	US	13/442,191	#EMPTY	Filed		METHOD AND APPARATUS FOR INTELLIGENT MANAGEMENT OF A NETWORK ELEMENT DISTRIBUTED CALL SERVED SURDODTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD.
	US	14/029,342	#EMPTY	Filed		DISTRIBUTED CALL SERVER SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD
	_	13/195,948	#EMPTY	Filed		MANAGEMENT OF QUEUES IN CONTACT CENTRES
	US	10/750,531	#EMPTY	Filed		PHOTONIC LINE SHARING FOR HIGH-SPEED ROUTERS
16066RO	US	12/623,563	#EMPTY	Filed	23-Nov-09 #EMPTY	MULTIMODAL DATA SWITCH TANKE FOR DISTANCE RINGING AND NETWORK ENGINEERING IN CONNECTION CONNECTION ORDERED NETWORKS
		13/228,598	#EMPTY	Filed		ZONING FOR DISTANCE PRICING AND NETWORK ENGINEERING IN CONNECTIONLESS AND CONNECTION-ORIENTED NETWORKS
	US	13/330,361	#EMPTY	Filed		METHOD AND APPARATUS FOR INDICATING CONGESTION IN A SOURCE ROUTED NETWORK
		13/932,602	#EMPTY	Filed		FLEXIBLE CHANNEL BONDING
16404RO	US	13/931,085	#EMPTY	Filed	28-Jun-13 #EMPTY	PARALLEUZABLE INTEGRITY-AWARE ENCRYPTION TECHNIQUE
	US	13/888,822	#EMPTY	Filed	- '	TRAFFIC ENGINEERING AND BANDWIDTH MANAGEMENT OF BUNDLED LINKS
	_	12/286,894	#EMPTY	Filed		CONNECTOR MODULE WITH REMOVABLE POWER-OVER-ETHERNET MANAGEMENT LOGIC AND METHOD
		13/300,824	#EMPTY	Filed		TEMPORAL-SPATIAL BURST SWITCHING
	_	14/093,900	#EMPTY	Filed		ETHERNET DIFFERENTIATED SERVICES ARCHITECTURE
16631RN	US	13/887,744	#EMPTY	Filed	6-May-13 #EMPTY	PROVIDING ADDITIONAL INFORMATION WITH SESSION REQUESTS

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16670ID	US	13/683,668	#EMPTY	Filed	21-Nov-12 #	EMDTY	TRAFFIC ENGINEERING IN FRAME-BASED CARRIER NETWORKS
16672RO	US	14/093,976	#EMPTY	Filed	2-Dec-13 #		SELECTIVE INTERNET PRIORITY SERVICE
16673RO	US	12/081,684	#EMPTY	Filed	18-Apr-08 #		SYSTEMS AND METHODS FOR PREVENTING AN ATTACK ON HEALTHCARE DATA PROCESSING RESOURCES IN A HOSPITAL INFORMATION SYSTEM
16678RO	_	14/030,403	#EMPTY	Filed	18-Sep-13 #		ETHERNET OAM PERFORMANCE MANAGEMENT
16716RO	US	14/053,058	#EMPTY	Filed	14-Oct-13 #		METHOD AND APPARATUS FOR ASSIGNING AND ALLOCATING NETWORK RESOURCES TO LAYER 1VIRTUAL PRIVATE NETWORKS
16747BA	US	14/147,896	#EMPTY	Filed	6-Jan-14 #		METHOD FOR ACCELERATING FAILOVER OF VPN TRAFFIC IN AN MPLS PROVIDER NETWORK
16770BA	US	14/054,378	#EMPTY	Filed	15-Oct-13 #		METHOD AND APPARATUS FOR GENERATING LARGE NUMBERS OF ENCRYPTION KEYS
16774RN	US	10/970,975	#EMPTY	Filed	22-Oct-04#	EMPTY	REMOTE TELEPHONY SERVICE MANAGEMENT
16797RO	US	10/890,007	#EMPTY	Filed	13-Jul-04 #		SERVICE CAPABILITY REGISTRY
16889RO	US	13/726,894	#EMPTY	Filed	26-Dec-12 #	EMPTY	SECURITY BRIDGING
16905RO	US	14/100,129	#EMPTY	Filed	9-Dec-13 #	EMPTY	TWO-DIMENSIONAL CIRCULATING SWITCH
16921RO	US	10/946,982	#EMPTY	Filed	22-Sep-04 #	EMPTY	USE OF EXTENSIBLE PROPERTIES THAT ENABLES ADAPTIVE NETWORKS AND SERVICES
16966RO	US	13/482,010	#EMPTY	Filed	29-May-12 #	EMPTY	METHOD AND APPARATUS FOR RESTORING SERVICE LABEL INFORMATION
16967RR	US	11/053,044	#EMPTY	Filed	8-Feb-05 #		SUPPORTING SERVICES FOR PEER-TO-PEER COMMUNICATION SESSIONS
17024MD	US	12/512,363	#EMPTY	Filed	30-Jul-09 #	EMPTY	ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17040RO	US	11/008,999	#EMPTY	Filed	13-Dec-04 #		NETWORK MANAGEMENT SYSTEM AND METHOD FOR ADAPTIVE PASTING OF CONFIGURATION INFORMATION
17164RR	US	13/928,602	#EMPTY	Filed	27-Jun-13 #		PREVENTING ILLICIT COMMUNICATIONS
17173AB	US	13/899,113	#EMPTY	Filed	21-May-13 #		SOFTWARE DEVELOPMENT AND TESTING ENVIRONMENT
17274RN	US	11/316,061	#EMPTY	Filed	22-Dec-05 #		MULTIPLE CALL ORIGINATION
17277RO	US	13/493,248	#EMPTY	Filed	11-Jun-12 #		METHOD AND APPARATUS FOR ASSIGNING AND ALLOCATING NETWORK RESOURCES TO PACKET-BASED VIRTUAL PRIVATE NETWORKS
17330RO	US	13/858,446	#EMPTY	Filed	8-Apr-13 #		METHOD AND APPARATUS ENABLING IMPROVED PROTECTION OF CONSUMER INFORMATION IN ELECRONIC TRANSACTIONS
17376RO	US	13/668,649	#EMPTY	Filed	5-Nov-12 #		PSEUDO WIRE MERGE FOR IPTV
17471AU		11/304,071	#EMPTY	Filed	15-Dec-05 #		SHARING OF AUTHENTICATED DATA
17478RO	US	11/170,211	#EMPTY	Filed	29-Jun-05 #		TIMELY RECOVERY FOR MEDIA ON DEMAND STREAMING
17510SS	US	13/932,841	#EMPTY	Filed	1-Jul-13 #		METHOD AND ARCHITECTURE FOR A SCALABLE APPLICATION AND SECURITY SWITCH USING MULTI-LEVEL LOAD BALANCING
17559RN	_	11/269,219	#EMPTY	Filed	8-Nov-05 #		INTERACTIVE COMMUNICATION SESSION COOKIES
17593RR	_	11/313,309	#EMPTY	Filed	21-Dec-05 #		PRESENCE NOTIFICATION
17685SS	US	13/720,188	#EMPTY	Filed	19-Dec-12 #		INTERFACING BETWEEN A COMMAND LINE INTERFACE-BASED APPLICATION PROGRAM AND A REMOTE NETWORK DEVICE
17735RO	US	13/678,719	#EMPTY	Filed	16-Nov-12 #		METHOD AND APPARATUS FOR LAYER 2 FAST RE-CONFIGURATION IN A ROUTING BRIDGE NETWORK
17775ID	US	13/925,196	#EMPTY	Filed	24-Jun-13 #		FORWARDING TABLE MINIMISATION IN ETHERNET SWITCHES
17833RO	US	14/021,063	#EMPTY	Filed	9-Sep-13 #		PROVIDER BACKBONE BRIDGING-PROVIDER BACKBONE TRANSPORT INTERNET WORKING
17856RO	US	11/298,673		9 Granted	12-Dec-05		METHODS AND SYSTEMS FOR COMMUNICATING OVER A QUANTUM CHANNEL
17902RR	US	11/755,190	#EMPTY	Filed	30-May-07 #		LOCAL INSERTION OF ADVERTISEMENT CONTENT
17932RO	US	13/051,030	#EMPTY	Filed	18-Mar-11 #		METHOD AND SYSTEM FOR CONFIGURING A CONNECTION-ORIENTED PACKET NETWORK OVER A WAVELENGTH DIVISION MULTIPLEXED OPTICAL NETWORK
17932RO	US	14/341,287	#EMPTY	Filed	25-Jul-14 #		METHOD AND SYSTEM FOR CONFIGURING A CONNECTION-ORIENTED PACKET NETWORK OVER A WAVELENGTH DIVISION MULTIPLEXED OPTICAL NETWORK
17944RO	US	11/369,460	#EMPTY	Filed	7-Mar-06 #		PROVIDING MEDIA INSERTS DURING GAPS IN STREAMING CONTENT DELIVERY
17961RO	_	11/357,090	#EMPTY	Filed	21-Feb-06 #		ADAPTIVE CALL ROUTING IN IP NETWORKS
17965BA	_	11/469,416	#EMPTY	Filed	31-Aug-06 #		MISSION GOAL STATEMENT TO POLICY STATEMENT TRANSLATIONS
18000RO	US	13/947,217	#EMPTY	Filed	22-Jul-13 #		METHOD AND APPARATUS FOR CONTROLLING CALLING-PARTY IDENTIFICATION
18000RO	US	13/947,288	#EMPTY	Filed	22-Jul-13 #		METHOD AND APPARATUS FOR CONTROLLING CALLING-PARTY IDENTIFICATION
18042RO	US	13/588,126	#EMPTY	Filed	22-Jul-15 # 17-Aug-12 #		METHOD AND APPARATUS FOR CONTROLLING CALCING-PART I DENTIFICATION METHOD AND APPARATUS FOR SELECTING BETWEEN AVAILABLE NEIGHBORS IN A RAPID ALTERNATE PATH CALCULATION
18044RO	US	13/595,011	#EMPTY	Filed	17-Aug-12 # 27-Aug-12 #		METHOD AND APPARATUS FOR SELECTING BETWEEN AVAILABLE REGISDORS IN A RAFID ALL ENGALE FATH CALCUDATION METHOD AND APPARATUS FOR SIMPLIFYING THE COMPUTATION OF ALTERNATE NETWORK PATHS
18059RO	US	13/306,417	#EMPTY	Filed	27-Aug-12 # 29-Nov-11 #		METHOD AND APPARATUS FOR AUTHENTICATING USERS OF AN EMERGENCY COMMUNICATION NETWORK
18069RO	US	11/556,898	#EMPTY	Filed	6-Nov-06 #		TIME-SHIFTED BROADCAST DELIVERY
18082RO	US	11/502,571	#EMPTY	Filed	11-Aug-06 #		SYSTEM AND METHOD FOR DYNAMICALLY RE-CONFIGURING COMMUNICATIONS SESSION ROUTING BASED ON LOCATION INFORMATION
18089ID	US	13/337,769	#EMPTY	Filed	27-Dec-11 #		SYSTEM AND METHOD FOR DUTWINICALLY MANAGING PARTICIPATION AT A MEETING OR CONFERENCE
18095RO	US	14/185,248	#EMPTY	Filed	20-Feb-14 #		METHOD AND APPARATUS FOR DOCUMENT MATCHING
18121RO	US	11/433,940	#EMPTY	Filed	20-reb-14 # 15-May-06 #		SYSTEM AND METHODS FOR FILTERING ELECTRONIC COMMUNICATIONS
		-		Filed	18-Oct-11 #		EXPEDITED RESOURCE NEGOTIATION IN SIP
18123RO	US	13/275,896	#EMPTY #EMPTY	Filed	28-Sep-06 #		PRESENCE INFORMATION DELIVERY BASED ON SESSION PARTICIPATION
18174RN	_	11/536,414		Filed	28-Sep-U6 # 29-Jun-06 #		PRESENCE INFORMATION DELIVERY BASED ON SESSION PARTICIPATION O-IN-Q ETHERNET RINGS
18179RO	US	11/477,975	#EMPTY	Filed	29-Jun-06 # 23-Apr-12 #		Q-IN-Q E HERNEL RINGS METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS
18201HU	_	13/452,983	#EMPTY				METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS METHOD OF CONFIGURING A NODE. RELATED NODE AND CONFIGURATION SERVER
18207FR	_	13/469,662	#EMPTY	Filed	11-May-12 #		4
18243RO	US	11/679,897	#EMPTY	Filed	28-Feb-07 #	EMPIT	COMPLETELY DRY PSEUDOWIRES

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18284RR	US	13/629,863	#EMPTY	Filed	28-Sep-12	#EMADTY	MESSAGE MAPPING FOR FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT
18288RO	_	13/936,340	#EMPTY	Filed	8-Jul-13		POINT-TO-MULTIPOINT (PZMP) RESILIENCE FOR GMPLS CONTROL OF ETHERNET
18320RO	_	13/302,704	#EMPTY	Filed	22-Nov-11		MULTICAST IMPLEMENTATION IN A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18351RO	_	11/546,170	#EMPTY	Filed	11-Oct-06		METHOD AND SYSTEM FOR PROTECTING A SUB-DOMAIN WITHIN A BROADCAST DOMAIN
18358RO		14/290,286	#EMPTY	Filed	29-May-14		PROTOCOL FOR CLOCK DISTRIBUTION AND LOOP RESOLUTION
18364RO	-	11/621,280	#EMPTY	Filed	9-Jan-07		METHOD AND APPARATUS FOR MANAGING BUFFERS DURING TRANSITIONS BETWEEN HETEROGENOUS NETWORKS
18377ID	US	13/934,506	#EMPTY	Filed	3-Jul-13		APPLICATION SERVER BILLING
18418RO		11/616,685	#EMPTY	Filed	27-Dec-06		USING TELECOM DATA TO ENHANCE WEB INTERACTION
18455RO	US	13/439,987	#EMPTY	Filed	5-Apr-12		PERSONALIZED CONFERENCE BRIDGE
18463BA	US	13/928,053	#EMPTY	Filed	26-Jun-13	#EMPTY	COMMUNICATING DATA UNITS IN A DOMMUNCATIONS NETWORK THAT PROVIDES FAILURE PROTECTION
18480RO	US	11/963,172	#EMPTY	Filed	21-Dec-07	#EMPTY	ETHERNET RESOURCE MANAGEMENT
18493RO	US	11/613,493	#EMPTY	Filed	20-Dec-06	#EMPTY	AUTOMATIC CONFIGURATION OF TELECOMMUNICATION STATION SETS
18501RN	US	11/615,338	#EMPTY	Filed	22-Dec-06	#EMPTY	METHOD AND SYSTEM TO CONTROL ADVERTISING
18523RO	US	14/444,116	#EMPTY	Filed	28-Jul-14	#EMPTY	METHOD AND SYSTEM FOR SYNCHRONIZATION BETWEEN NETWORK ELEMENTS
18566RR	US	13/281,533	#EMPTY	Filed	26-Oct-11	#EMPTY	SYSTEM AND METHOD FOR PROVIDING POWER MANAGEMENT IN A SENSOR NETWORK
18694RO	US	14/258,238	#EMPTY	Filed	22-Apr-14	#EMPTY	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
18710RN	US	12/326,646	#EMPTY	Filed	2-Dec-08	#EMPTY	ENHANCED CHANNEL SURFING
18853RX	US	13/693,312	#EMPTY	Filed	4-Dec-12	#EMPTY	METHOD AND APPARATUS FOR INCREASING THE OUTPUT OF A CRYPTOGRAPHIC SYSTEM
18872RO	US	14/043,013	#EMPTY	Filed	1-0ct-13	#EMPTY	COMMUNICATING TIME INFORMATION IN A NETWORK TO ENABLE SYNCHRONIZATION
18898RO	US	13/752,015	#EMPTY	Filed	28-Jan-13	#EMPTY	METHOD AND APPARATUS FOR OVERLAYING WHISPERED AUDIO ONTO A TELEPHONE CALL
18905RO	US	13/416,161	#EMPTY	Filed	9-Mar-12	#EMPTY	METHOD AND APPARATUS FOR INTERWORKING VPLS AND ETHERNET NETWORKS
18938RO	US	13/110,970	#EMPTY	Filed	19-May-11	#EMPTY	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPAUTER-GENERATED VIRTUAL ENVIRONMENT
18955BA	US	13/546,144	#EMPTY	Filed	11-Jul-12	#EMPTY	METRO ETHERNET CONNECTIVITY FAULT MANAGEMENT ACCELERATION
18970RO	US	14/093,977	#EMPTY	Filed	2-Dec-13	#EMPTY	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
19040RO	US	13/873,623	#EMPTY	Filed	30-Apr-13	#EMPTY	DIFFERENTIAL TIMING TRANSFER OVER SYNCHRONOUS ETHERNET USING DIGITAL FREQUENCYGENERATORS AND CONTROL WORD SIGNALING
19041RO	US	13/226,601	#EMPTY	Filed	7-Sep-11	#EMPTY	EXTENDED PRIVATE LAN
19078RO	US	11/961,806	#EMPTY	Filed	20-Dec-07	#EMPTY	RELATIONSHIP NETWORKS
19137BA	US	12/129,373	#EMPTY	Filed	29-May-08	#EMPTY	METHOD AND SYSTEM FOR AUTOMATIC DIRECTORY ENTRY FOR TELECOMMUNICATIONS DEVICES
19142RO	US	12/741,774	#EMPTY	Filed	10-Oct-10	#EMPTY	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (IOT) LOAD CONTROL
19318RO	US	14/109,021	#EMPTY	Filed	17-Dec-13	#EMPTY	SOURCE ROUTED VID TUNNELS FOR ETHERNET PACKET STEERING
19329ID	US	14/034,698	#EMPTY	Filed	24-Sep-13	#EMPTY	RESILIENT PROVIDER LINK STATE BRIDGING (PLSB) VIRTUAL PRIVATE LAN SERVICE (VPLS) INTERWORKING
19337BA	US	13/783,710	#EMPTY	Filed	4-Mar-13	#EMPTY	MONITORING EDC POLARIZATION INVERSE FILTER COEFFICIENTS TO IDENTIFY REAL-TIMEPHYSICAL INTRUSION INTO A CORE OR METRO OPTICAL NETWORK
19352RR	US	12/991,837	#EMPTY	Filed	9-Nov-10	#EMPTY	METHOD AND SYSTEM FOR TRANSMISSION OF FRAGMENTED PACKETS ON A PACKET-BASED COMMUNICATION NETWORK
19459RN	US	13/451,776	#EMPTY	Filed	20-Apr-12	#EMPTY	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS
19466RO	US	14/099,717	#EMPTY	Filed	6-Dec-13	#EMPTY	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD
19486RO	US	12/992,122	#EMPTY	Filed	9-Feb-11	#EMPTY	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT
19513ID	US	13/044,905	#EMPTY	Filed	10-Mar-11	#EMPTY	PROTECTION FOR PROVIDER BACKBONE BRIDGE TRAFFIC ENGINEERING
19558RM	US	13/453,011	#EMPTY	Filed	23-Apr-12	#EMPTY	DYNAMIC NETWORKING OF VIRTUAL MACHINES
19567ID	US	14/031,601	#EMPTY	Filed	19-Sep-13	#EMPTY	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANNELS IN A CONTACT CENTRE
19570RR	US	12/993,322	#EMPTY	Filed	18-Nov-10	#EMPTY	CONTROLLING ALLOCATION OF A PORTION OF A SHARED CHANNEL TO USE FOR CONTROL INFORMATION
19600RO	US	14/078,068	#EMPTY	Filed	12-Nov-13	#EMPTY	UTILIZING BETWEENNESS TO DETERMINE FORWARDING STATE IN A ROUTED NETWORK
19677BA	US	13/680,840	#EMPTY	Filed	19-Nov-12	#EMPTY	UTILIZING OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK
19700RO	US	12/420,976	#EMPTY	Filed	9-Apr-09	#EMPTY	ENHANCED COMMUNICATION BRIDGE
19743RO	US	13/123,077	#EMPTY	Filed	7-Apr-11	#EMPTY	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULT-POINT TRANSMISSION AND RECEIPTION
19747BA	US	14/296,077	#EMPTY	Filed	4-Jun-14	#EMPTY	SERVICE INSTANCE APPLIED TO MPLS NETWORKS
19769RO	US	13/754,177	#EMPTY	Filed	30-Jan-13	#EMPTY	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER
19801IY	US	11/996,735	#EMPTY	Filed	31-Jan-08	#EMPTY	SEGMENTED NETWORK IDENTITY MANAGEMENT
19838BA	US	14/246,649	#EMPTY	Filed	7-Apr-14	#EMPTY	METHOD AND APPARATUS FOR SIMULATING IP MULTINETTING
19923RO	US	13/813,008	#EMPTY	Filed	29-Jan-13	#EMPTY	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
19953RR	US	13/261,253	#EMPTY	Filed	5-Apr-12	#EMPTY	INTER-MAG BIDIRECTIONAL IP TUNNELING FOR PMIP-6-FAST HANDOFF
19983RO	US	14/109,281	#EMPTY	Filed	17-Dec-13	#EMPTY	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLEDSIGNALS
19990RO	US	13/914,680	#EMPTY	Filed	11-Jun-13	#EMPTY	NEXT HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTI-PATH PACKET SWITCHING NETWORKS
BA0091	US	90/007,192	RE5,732,080	Granted	15-Jan-98	9-Nov-99	METHOD AND APPARATUS FOR CONTROLLING DATA FLOW WITHIN A SWITCHING DEVICE
BA0307	US	14/179,981	#EMPTY	Filed	13-Feb-14	#EMPTY	NON-BROADCAST MULTIPLE ACCESS INVERSE NEXT HOP RESOLUTION PROTOCOL (INHRP)

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HQ0045	US	11/767,598	#EMPTY	Filed	25-Jun-07	#EMPTY	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/031,478	#EMPTY	Filed	21-Feb-11	#EMPTY	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/723,642	#EMPTY	Filed	21-Dec-12	#EMPTY	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/723,670	#EMPTY	Filed	21-Dec-12	#EMPTY	ASSOCIATIVE SEARCH ENGINE
<u> </u>			#EMPTY	Filed	21-Dec-12		ASSOCIATIVE SEARCH ENGINE
_		13/724,369	#EMPTY	Filed	21-Dec-12		ASSOCIATIVE SEARCH ENGINE
HQ0045		13/724,495	#EMPTY	Filed	21-Dec-12	#EMPTY	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/845,955	#EMPTY	Filed	18-Mar-13		ASSOCIATIVE SEARCH ENGINE
	US	14/093,479	#EMPTY	Filed	1-Dec-13		METHOD AND APPARATUS FOR ENCODING VIDEO TO PLAY AT MULTIPLESPEEDS
	US	14/131,155	#EMPTY	Filed			BROADBAND DOHERTY AMPLIFIER USING BROADBAND TRANSFORMER
19903RO	US	14/093,477	#EMPTY	Filed		#EMPTY	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
	US	14/131,131	#EMPTY	Filed		#EMPTY	AMPLIFIED LINEARIZATION USING NON-STANDARD FEEDBACK
	US	14/299,585	#EMPTY	Filed			MULTICAST-ENABLED ADDRESS RESOLUTION PROTOCOL (ME-ARP)
	US	14/139,145	#EMPTY	Filed	23-Dec-13		OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
10391RO	US	14/225,093	#EMPTY	Filed	25-Mar-14		OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
10391RO	US	14/225,120	#EMPTY	Filed	25-Mar-14	_	OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
$\overline{}$	_	14/225,149	#EMPTY	Filed	25-Mar-14		OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
	US	14/225,180	#EMPTY	Filed	25-Mar-14		OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
10391RO	US	14/225,194	#EMPTY	Filed	25-Mar-14		OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
		09/600,054	6,952,728		19-Nov-00		PROVIDING DESIRED SERVICE POLICIES TO SUBSCRIBERS ACCESSING INTERNET
		09/375,710	7,012,922		17-Aug-99		PACKET COMMUNICATIONS SYSTEM AND METHOD
	US	09/414,589	#EMPTY	Filed			METHOD, APPARATUS AND ARTICLE OF MANUFACTURE FOR WEB-BASED CONTROL OF A CALL SERVER
	US	14/313,625	#EMPTY	Filed	24-Jun-14		METHOD, APPARATUS AND ARTICLE OF MANUFACTURE FOR WEB-BASED CONTROL OF A CALL SERVER
	_	09/511,065	6,606,427		23-Feb-00		SWITCH FOR OPTICAL SIGNALS
		09/471,443	6,301,409		23-Dec-99		OPTICAL COMB FILTER
12010SS	US	14/528,612	#EMPTY	Filed	30-Oct-14		AUTOMATIC REMOTE COMMUNICATION USING NETWORK TELEPHONY
12230RN	US	14/023,832	#EMPTY	Filed	11-Sep-13		FAST LIVENESS PROTOCOL (FLIP)
	US	14/330,846	#EMPTY	Filed	14-Jul-14		METHOD AND APPARATUS FOR USING A COMMAND DESIGN PATTERN TO ACCESS AND CONFIGURE NETWORK ELEMENTS
		09/749,758	6,941,380		28-Dec-00		BANDWIDTH ALLOCATION IN ETHERNET NETWORKS
13143CK	US	09/189,619	6,310,315		9-Nov-98		REWORKABLE LASER WELDING PROCESS
	US	10/167,378	6,591,032		11-Jun-02		OPTICAL SWITCHING AND ATTENUATION SYSTEMS AND METHODS THEREFORE
13194CK	US	09/526,580	#EMPTY	Filed	16-Mar-00		DEVICE FOR SPONTANEOUS NOISE REDUCTION IN AMPUFIED WDM SYSTEMS
13767BA	US	14/195,188	#EMPTY	Filed	3-Mar-14		SYSTEM, DEVICE, AND METHOD FOR MANAGING ALTERNATE SITE SWITCHING IN AN OPTICAL COMMUNICATION SYSTEM
14054ID	US	09/827,086	6,618,535		5-Apr-01		PHOTONIC BANDGAP DEVICE USING COUPLED DEFECTS
14124RG	US	14/329,456	#EMPTY	Filed			PACKET HANDLER FOR HIGH SPEED DATA NETWORKS
	US	14/302,067	#EMPTY	Filed	11-Jun-14		A METHOD AND APPARATUS FOR OPTIMIZED PATTERN MATCHING
		114/317,401	#EMPTY	Filed	27-Jun-14		MODULAR HIGH-CAPACITY SWITCH
	US	14/223,550	#EMPTY	Filed	24-Mar-14		METHOD AND APPARATUS FOR DIRECT FRAME SWITCHING USING FRAME CONTAINED DESTINATION INFORMATION
	US	14/319,551	#EMPTY	Filed	30-Jun-14		ALLOCATING INTERNET PROTOCOL (IP) ADDRESSES TO NODES IN COMMUNICATIONS NETWORKS WHICH USE INTEGRATED IS-IS
	US	13/860,092	#EMPTY #EMPTY	Filed	10-Apr-13		CONTENT REQUEST ROUTING METHOD MIDDLEBOX CONTROL
14903ID	US	13/934,873	#EMPTY	riieu	5-Jul-13	HEMPIT	MIDDLEBOX CONTROL METHODS OF ESTABLISHING VIRTUAL CIRCUITS AND OF PROVIDING A VIRTUAL PRIVATE NETWORK SERVICE THROUGH A SHARED NETWORK, AND PROVIDER EDGE DEVICE
14904FR	US	14/219,222	#EMPTY	Filed	19-Mar-14	#EMPTY	FOR SUCH NETWORK
4 100 150		4.1/240.705			40.11	U.S. ADTO	METHODS OF ESTABLISHING VIRTUAL CIRCUITS AND OF PROVIDING A VIRTUAL PRIVATE NETWORK SERVICE THROUGH A SHARED NETWORK, AND PROVIDER EDGE DEVICE
14904FR	US	14/219,796	#EMPTY	Filed	19-Mar-14		FOR SUCH NETWORK
	US	13/908,189	#EMPTY	Filed		#EMPTY	HITLESS SWITCHOVER AND BANDWIDTH SHARING IN A COMMUNICATION NETWORK
	US	14/078,029	#EMPTY	Filed	12-Nov-13		NON-INTRUSIVE MONITORING OF QUALITY LEVELS FOR VOICE COMMUNICATIONS OVER A PACKET-BASED NETWORK
	_	14/497,485	#EMPTY	Filed	26-Sep-14		AUTOMATED ATTENDANT MULTIMEDIA SESSION
	US	14/282,695	#EMPTY	Filed	20-May-14		MONITORING PHASE NON-LINEARITIES IN AN OPTICAL COMMUNICATIONS SYSTEM
15313RO	US	14/293,482	#EMPTY	Filed		#EMPTY	MONITORING PHASE NON-LINEARITIES IN AN OPTICAL COMMUNICIATIONS SYSTEM
	US	14/302,207	#EMPTY	Filed	11-Jun-14		TECHNIQUE FOR IMPLEMENTING AN OPTICAL/TOM VIRTUAL PRIVATE NETWORK
		14/070,959	#EMPTY	Filed	4-Nov-13		GEOGRAPHIC REDUNDANCY FOR CALL SERVERS IN A CELLULAR SYSTEMBASED ON A BEARER-INDEPENDENT CORE NETWORK
	US	14/293,201	#EMPTY		#EMPTY		METHOD AND APPARATUS FOR PRESERVING DATA IN A SYSTEM IMPLEMENTING DIFFSERV AND IPSEC PROTOCOL
15668ID	US	14/159,935	#EMPTY	Filed	21-Jan-14	#EMPTY	TELECOMMUNICATIONS NETWORK

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15689RN	US	14/534,321	#EMPTY	Filed	6-Nov-14 #EMPTY	METHOD AND APPARATUS FOR CONTENT PROCESSING APPLICATION ACCELERATION
15790ID	US	14/453,954	#EMPTY	Filed	7-Aug-14 #EMPTY	MULTI-HOP WIRELESS COMMUNICATIONS SYSTEM AND METHOD
15873RO	US	14/045,238	#EMPTY	Filed	3-Oct-13 #EMPTY	VERIFICATION OF CONFIGURATION INFORMATION IN BGP VPNS
15890RO	US	14/470,390	#EMPTY	Filed	27-Aug-14 #EMPTY	METHOD AND APPARATUS FOR SECURELY SYNCHRONIZING PASSWORD SYSTEMS
15996RR	US	14/029,319	#EMPTY	Filed	17-Sep-13 #EMPTY	DISTRIBUTED CALL SERVER SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD
16021ID	US	14/057,555	#EMPTY	Filed	18-Oct-13 #EMPTY	MANAGEMENT OF QUEUES IN CONTACT CENTRES
16205RN	US	13/909,606	#EMPTY	Filed	4-Jun-13 #EMPTY	#EMPTY
16213RO	US	14/265,528	#EMPTY	Filed	30-Apr-14 #EMPTY	MPLS/IP PSEUDO-WIRE AND LAYER-2 VIRTUAL PRIVATE NETWORK RESILIENCY
16248RN	US	14/268,044	#EMPTY	Filed	2-May-14 #EMPTY	EMERGENCY SERVICES FOR PACKET NETWORKS
16285SS	US	13/547,310	#EMPTY	Filed	12-Jul-12 #EMPTY	ULTRA LOW COST ETHERNET ARCHITECTURE
16365RN	US	14/211,236	#EMPTY	Filed	14-Mar-14 #EMPTY	SELECTIVE PROCESSING OF A DAMAGED PACKETS
16404RO	US	12/750,086	#EMPTY	Filed	30-Mar-10 #EMPTY	PARALLELIZABLE INTEGRITY-AWARE ENCRYPTION TECHNIQUE
16438RO	US	14/454,804	#EMPTY	Filed	8-Aug-14 #EMPTY	MANAGING FLOW CONTROL BUFFER
16471RO	US	14/133,012	#EMPTY	Filed	18-Dec-13 #EMPTY	HITLESS MANUAL CRYTOGRAPHIC KEY REFRESH IN SECURE PACKET NETWORKS
16483BA	US	14/290,404	#EMPTY	Filed	29-May-14 #EMPTY	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS
16521RN	US	14/508,220	#EMPTY	Filed	7-Oct-14 #EMPTY	TELEPHONE TO COMPUTATIONAL DEVICE ASSOCIATION
16572RO	US	14/302,995	#EMPTY	Filed	12-Jun-14 #EMPTY	ETHERNET DIFFERENTIATED SERVICES ARCHITECTURE
16582RO	US	13/668,818	#EMPTY	Filed	5-Nov-12 #EMPTY	COMBINED USER AGENT FOR PACKET-BASED COMMUNICATION CLIENTS
16670ID	US	14/478,001	#EMPTY	Filed	5-Sep-14 #EMPTY	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16788RO	US	14/493,761	#EMPTY	Filed	23-Sep-14 #EMPTY	METHOD AND APPARATUS FOR OPEN MANAGEMENT OF MULTI-MEDIA SERVICES
16889RO	US	14/487,728	#EMPTY	Filed	16-Sep-14 #EMPTY	SECURITY BRIDGING
16891RR	US	14/105,639	#EMPTY	Filed	13-Dec-13 #EMPTY	IDENTIFYING AND CONTROLLING NETWORK SESSIONS VIA AN ACCESS CONCENTRATION POINT
16904RO	US	14/502,176	#EMPTY	Filed	30-Sep-14 #EMPTY	CONNECTIVITY FAULT NOTIFICATION
16989RO	US	14/171,009	#EMPTY	Filed	#EMPTY #EMPTY	METHOD AND SYSTEM FOR QUALITY OF SERVICE SUPPORT FOR ETHERNET MULTISERVICE INTERWORKING OVER MULTIPROTOCOL LABEL SWITCHING
16991ID	US	14/285,830	#EMPTY	Filed	23-May-14 #EMPTY	BROKERING NETWORK RESOURCES
17028RR	US	14/280,155	#EMPTY	Filed	16-May-14 #EMPTY	OPTIMIZED SCHEDULING METHOD FOR DELAY-SENSITIVE TRAFFIC ON HIGH SPEED SHARED PACKET DATA CHANNELS
17034SS	US	14/291,291	#EMPTY	Filed	30-May-14 #EMPTY	CROSS-CONNECT USING ETHERNET MULTIPLEXORS FOR A SIMPLE METRO ETHERNET NETWORK
17078SC	US	14/515,711	#EMPTY	Filed	16-Oct-14 #EMPTY	ENHANCED CALLER IDENTIFICATION USING CALLER READABLE DEVICES
17154SS	US	14/489,625	#EMPTY	Filed	18-Sep-14 #EMPTY	BACKBONE PROVIDER BRIDGING NETWORKS
17163RO	US	14/245,525	#EMPTY	Filed	4-Apr-14 #EMPTY	ETHERNET LAN SERVICE ENHANCEMENTS
17268ID	US	14/324,754	#EMPTY	Filed	7-Jul-14 #EMPTY	IMPROVEMENTS IN OR RELATING TO CALL PRIORITISATION METHODS IN A CALL CENTER
17518RO	US	14/319,920	#EMPTY	Filed	30-Jun-14 #EMPTY	DYNAMIC ESTABLISHMENT OF VIRTUAL CIRCUITS USING MULTI-SEGMENT PSEUDOWIRES
17624RO	US	13/915,683	#EMPTY	Filed	12-Jun-13 #EMPTY	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH FIXED INFRASTRUCTURE BASED RELAYS
17692RR	US	14/322,332	#EMPTY	Filed	2-Jul-14 #EMPTY	PROVIDING IMPROVED POST-DIAL DELAY AT AN ORIGINATING TERMINAL
17692RR	US	14/527,958	#EMPTY	Filed	30-Oct-14 #EMPTY	GENERATING A COMFORT INDICATOR AT AN ORIGINATING TERMINAL
17700RR	US	14/448,129	#EMPTY	Filed	31-Jul-14 #EMPTY	GEOGRAPHIC REDUNDANCY IN COMMUNICATION NETWORKS
17792RO	US	14/505,119	#EMPTY	Filed	2-Oct-14 #EMPTY	METHOD FOR DEFENDING AGAINST DENIAL-OF-SERVICE ATTACK ON THE IPV6 NEIGHBOR CACHE
17796RO	US	14/322,166	#EMPTY	Filed	2-Jul-14 #EMPTY	SYSTEM AND METHOD FOR VALIDATION AND ENFORCEMENT OF APPLICATION SECURITY
17816RO	US	14/500,008	#EMPTY	Filed	29-Sep-14 #EMPTY	PROTECTION SWITCHING WITH TRANSMITTER COMPENSATION FUNCTION
17910RN	US	14/211,390	#EMPTY	Filed	14-Mar-14 #EMPTY	FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT
17961RO	US	14/341,611	#EMPTY	Filed	25-Jul-14 #EMPTY	ADAPTIVE CALL ROUTING IN IP NETWORKS
18000RO	US	13/947,324	#EMPTY	Filed	22-Jul-13 #EMPTY	METHOD AND APPARATUS FOR CONTROLLING CALLING-PARTY IDENTIFICATION
18020RO	US	13/909,635	#EMPTY	Filed	4-Jun-13 #EMPTY	METHOD AND APPARATUS FOR TRANSPORTING ETHERNET SERVICE
18020RO	US	14/032,294	#EMPTY	Filed	20-Sep-13 #EMPTY	#EMPTY
18020RO	US	14/032,312	#EMPTY	Filed	20-Sep-13 #EMPTY	#EMPTY
18114RO	US	14/485,130	#EMPTY	Filed	12-Sep-14 #EMPTY	METHOD AND SYSTEM FOR INDICATING PRIVACY FOR AUDIO COMMUNICATIONS
18120ID	US	14/492,808	#EMPTY	Filed	22-Sep-14 #EMPTY	SYSTEM AND METHOD FOR NOTIFYING PARTICIPANTS OF TOPICS IN AN ONGOING MEETING OR CONFERENCE
18165ID	US	14/485,739	#EMPTY	Filed	14-Sep-14 #EMPTY	SCALING OAM FOR POINT-TO-POINT TRUNKING
18179RO	US	14/251,999	#EMPTY	Filed	14-Apr-14 #EMPTY	Q-IN-Q ETHERNET RINGS
18195SS	US	13/632,350	#EMPTY	Filed	1-Oct-12 #EMPTY	METHOD AND SYSTEM FOR AUTOMATED CALL TROUBLESHOOTING AND RESOLUTION
18216RO	US	#EMPTY	#EMPTY	Docketed	#EMPTY #EMPTY	MULTI-PROTOCOL SUPPORT OVER ETHERNET PACKET-SWITCHED NETWORKS
18255RN	US	14/486,606	#EMPTY	Filed	15-Sep-14 #EMPTY	SYSTEM AND METHOD FOR RESPONDING TO FAILURE OF A HARDWARE LOCUS AT A COMMUNICATION INSTALLATION
18340RO	US	14/508,226	#EMPTY	Filed	7-Oct-14 #EMPTY	SOURCE SELECTION FOR CONFERENCE BRIDGES
18385ID	US	14/321,228	#EMPTY	Filed	1-Jul-14 #EMPTY	WEB SERVICES INTERFACE
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18460RO	US	14/548,787	#EMPTY	Filed	20-Nov-14	#EMPTY	INTERACTIVE CONTENT FOR CLICK-TO-CALL CALLS
18477ID	US	14/204,242	#EMPTY	Filed	11-Mar-14	#EMPTY	COMMUNICATION METHODS AND APPARATUS FOR ONLINE GAMES
18571RO	US	14/176,065	#EMPTY	Filed	8-Feb-14	#EMPTY	DISTRIBUTED STORAGE OF ROUTING INFORMATION IN A LINK STATE PROTOCOL CONTROLLED NETWORK
18690RO	US	13/864,863	#EMPTY	Filed	17-Apr-13	#EMPTY	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
18690RO	US	13/865,395	#EMPTY	Filed	18-Apr-13	#EMPTY	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
18690RO	US	13/865,420	#EMPTY	Filed	18-Apr-13	#EMPTY	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
18694RO	US	14/310,767	#EMPTY	Filed	20-Jun-14	#EMPTY	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
18756RO	US	14/102,278	#EMPTY	Filed	10-Dec-13	#EMPTY	BORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATTRIBUTE FOR LAYER-2 AND LAYER-3VIRTUAL PRIVATE NETWORKS USING 802.1AH-BASED TUNNELS
18910RO	US	14/507,338	#EMPTY	Filed	6-Oct-14	#EMPTY	METHOD AND APPARATUS FOR MANAGING THE INTERCONNECTION BETWEEN NETWORK DOMAINS
18931ID	US	14/169,512	#EMPTY	Filed	31-Jan-14	#EMPTY	EVOLUTION OF ETHERNET NETWORKS
19065RN	US	14/501,890	#EMPTY	Filed	30-Sep-14	#EMPTY	IMPLEMENTATION OF VPNS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19085RO	US	14/553,127	#EMPTY	Filed	25-Nov-14	#EMPTY	METHOD AND SYSTEM FOR LOCATION-BASED ADVERTISING INTELLIGENCE AGGREGATION
19096RO	US	14/565,701	#EMPTY	Filed	9-Dec-14	#EMPTY	METHOD AND APPARATUS FOR DISCOVERING, NEGOTIATING, AND PROVISIONING END-TO-END SLAS BETWEEN MULTIPLE SERVICE PROVIDER DOMAINS
19269RO	US	14/520,724	#EMPTY	Filed	22-Oct-14	#EMPTY	METHOD FOR OPERATING MULTI-DOMAIN PROVIDER ETHERNET NETWORKS
19270RR	US	14/489,925	#EMPTY	Filed	18-Sep-14	#EMPTY	METHOD AND APPARATUS FOR TELECOMMUNICATIONS NETWORK PERFORMANCE ANOMALYEVENTS DETECTION AND NOTIFICATION
19271IN	US	14/467,107	#EMPTY	Filed	25-Aug-14		SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
19486RO	US	14/523,014	#EMPTY	Filed	24-Oct-14		A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT
19567ID	US	13/911,528	#EMPTY	Filed	6-Jun-13		METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANNELS IN A CONTACT CENTRE
19570RR	US	14/187,658	#EMPTY	Filed	24-Feb-14		CONTROLLING ALLOCATION OF A PORTION OF A SHARED CHANNEL TO USE FOR CONTROL INFORMATION
19681RR	US	14/563,035	#EMPTY	Filed	8-Dec-14		HANDOFF OF A MOBILE STATION BETWEEN PACKET-SWITCHED AND CIRCUIT-SWITCHED WIRELESS DOMAINS
19733RO	US	14/357,096	#EMPTY	Filed	8-May-14		METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE
19747BA	US	14/324,406	#EMPTY	Filed	·	#EMPTY	SERVICE INSTANCE APPLIED TO MPLS NETWORKS
19757ID	US	14/338,419	#EMPTY	Filed	23-Jul-14		METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING
19776RO	US	13/567,653	#EMPTY	Filed	6-Aug-12		METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
19785RO	US	14/526,991	#EMPTY	Filed	29-Oct-14	_	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY
19842SS	US	14/471,122	#EMPTY	Filed	28-Aug-14		DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
19953RR	US	14/457,867	#EMPTY	Filed	12-Aug-14		INTER-MAG BIDIRECTIONAL IP TUNNELING FOR PMIP-6-FAST HANDOFF
133J3NN	03	14/437,007	#LIVIF11	riicu	12-Aug-14	#FIAIL I I	APPARATUS FOR DETERMINING THE TOPOLOGY OF AN ATM NETWORK OR THE LIKE VIA COMMUNICATION OF TOPOLOGY INFORMATION BETWEEN CENTRAL MANAGER
BA0019	US	08/712,679	5,729,685	Granted	13-Sep-96	17-Mar-98	AND SWITCHES IN THE NETWORK OVER A VIRTUAL SERVICE PATH
BA0019 BA0122	US US	08/712,679 09/062,393	5,729,685 6,272,516		13-Sep-96 17-Apr-98		AND SWITCHES IN THE NETWORK OVER A VIRTUAL SERVICE PATH METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM
	_			Granted		7-Aug-01	
BA0122	US	09/062,393	6,272,516	Granted Granted	17-Apr-98	7-Aug-01 7-Aug-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM
BA0122 BA0122	US US	09/062,393 09/062,393	6,272,516 6,272,516	Granted Granted Granted	17-Apr-98 17-Apr-98	7-Aug-01 7-Aug-01 18-Nov-03	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM
BA0122 BA0122 BA0191	US US US	09/062,393 09/062,393 09/460,273	6,272,516 6,272,516 6,650,651	Granted Granted Granted Granted	17-Apr-98 17-Apr-98 13-Dec-99	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER
BA0122 BA0122 BA0191 BA0195	US US US US	09/062,393 09/062,393 09/460,273 09/036,374	6,272,516 6,272,516 6,650,651 6,320,859	Granted Granted Granted Granted	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION
BA0122 BA0122 BA0191 BA0195 BA0201	US US US US US	09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145	Granted Granted Granted Granted Granted Field	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS
BA0122 BA0122 BA0191 BA0195 BA0201 BA0454	US US US US US US US	09/062,393 09/062,393 09/460,273 09/036,374 09/110,104	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145	Granted Granted Granted Granted Granted Fied Granted	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 #EMPTY 9-Oct-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHODS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET
BA0122 BA0122 BA0191 BA0195 BA0201 BA0454 ID1009	US US US US US US	09/062,393 09/062,393 09/062,733 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640	Granted Granted Granted Granted Granted Granted Granted Filed Granted Granted Granted	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99	7-Aug 01 7-Aug 01 18-Nov-03 20-Nov-01 7-Aug 01 #EMPTY 9-Oct-01 15-Jan-02	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHODS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK
BA0122 BA0122 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145	US	09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407	Granted Granted Granted Granted Granted Granted Granted Filed Granted Granted Granted	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98	7-Aug 01 7-Aug 01 18-Nov-03 20-Nov-01 7-Aug 01 #EMPTY 9-Oct-01 15-Jan-02 2-Oct-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHODS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM
BA0122 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518	US U	09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059	Granted Granted Granted Granted Granted Filed Granted Granted Granted Granted Granted Granted Filed Filed Filed Filed Filed Filed	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 23-Dec-98 20-Aug-14	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 #EMPTY 9-Oct-01 15-Jan-02 2-Oct-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD SOFT AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD
BA0122 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RRZ598	US U	09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY	Granted Granted Granted Granted Granted Filed Granted	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 #EMPTY 9-Oct-01 15-Jan-02 2-Oct-01 #EMPTY	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD SOF AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS
BA0122 BA0122 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2656	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/1036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY 6,345,282 6,327,358	Granted Granted Granted Granted Granted Filed Granted	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 #EMPTY 9-Oct-01 15-Jan-02 2-Oct-01 #EMPTY 5-Feb-02 4-Dec-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK
BA0122 BA0122 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2656 20000RS	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/909,054	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY 6,345,282 6,327,358	Granted Granted Granted Granted Granted Filed Granted Granted Granted Granted Granted Granted Granted Granted Granted Filed Granted Filed Granted Filed Granted Filed Granted	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 #EMPTY 9-Oct-01 15-Jan-02 2-Oct-01 #EMPTY 5-Feb-02 4-Dec-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS
BA0122 BA0122 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2656 20000RS 20001RS	US	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/909,054 61/911,244	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY 6,345,282 6,327,358	Granted Granted Granted Granted Granted Filed Granted Granted Granted Granted Granted Granted Granted Filed Granted Filed Granted Filed Filed Filed Filed Filed Filed	17-Apr-98-11-17-Apr-98-11-17-Apr-98-11-17-Apr-98-11-17-Apr-98-11-13-Dec-99-11-13-Dec-98-11-13-Dec-98-11-13-Dec-98-12-Apr-99-12	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 #EMPTY 9-Oct-01 15-Jan-02 2-Oct-01 #EMPTY 5-Feb-02 4-Dec-01	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFTWARE DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES
BA0122 BA0121 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2656 20000RS 20001RS BA0085	US	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/909,054 61/911,244 90/012,918	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY 6,345,282 6,327,358 #EMPTY #EMPTY #EMPTY #EMPTY	Granted Granted Granted Granted Granted Filed Granted Granted Granted Granted Granted Granted Granted Filed Granted Filed Granted Filed Granted Filed Filed Filed Filed	17-Apr-98 17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13 3-Dec-13 15-Jul-13	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 #EMPTY 9-Oct-01 15-Jan-02 2-Oct-01 #EMPTY 5-Feb-02 4-Dec-01 #EMPTY #EMPTY	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFFWARE DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES METHOD FOR ESTABLISHING A MASTER SLAVE RELATIONSHIP IN A PEER-TO-PEER NETWORK
BA0122 BA0121 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2656 20000RS 20001RS BA0085 ID0037	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/909,054 61/911,244 90/012,918 07/885,951	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY 6,345,282 6,327,358 #EMPTY #EMPTY #EMPTY #EMPTY #EMPTY #EMPTY	Granted Granted Granted Granted Granted Filed Granted Granted Granted Granted Granted Granted Filed Granted Filed Granted Filed Filed Filed Filed Filed Filed Filed Filed Filed	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13 3-Dec-13 15-Jul-13	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 7-Aug-01 15-Jan-02 2-Oct-01 4EMPTY 5-Feb-02 4-Dec-01 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFFWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES METHOD FOR ESTABLISHING A MASTER-SLAVE RELATIONSHIP IN A PEER-TO-PEER NETWORK VOLTAGE STRESS PROTECTION DEVICE FOR DIELECTRIC CABLE
BA0122 BA0121 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2656 20000RS 20001RS BA0085 ID0037 12444FR	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/909,054 61/911,244 90/012,918 07/885,951 08/216,011	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY 6,345,282 6,327,358 #EMPTY	Granted Granted Granted Granted Granted Filed Granted Granted Granted Granted Granted Granted Filed Granted Filed Granted Filed Filed Filed Filed Inactive	17-Apr-98 17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13 3-Dec-13 15-Jul-13 19-May-92 21-Mar-94	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 7-Aug-01 15-Jan-02 2-Oct-01 4EMPTY 5-Feb-02 4-Dec-01 4EMPTY	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFFWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES METHOD FOR ESTABLISHING A MASTER-SLAVE RELATIONSHIP IN A PEER-TO-PEER NETWORK VOLTAGE STRESS PROTECTION DEVICE FOR DIELECTRIC CABLE A RADIO TRANSMISSION METHOD USING REPEATER STATIONS WITH SPECTRUM REVERSAL
BA0122 BA0121 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2656 20000RS 20001RS BA0085 ID0037 124444FR HU0107	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/909,054 61/911,244 90/012,918 07/885,951 08/216,011 07/788,081	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY 6,345,282 6,327,358 #EMPTY	Granted Granted Granted Granted Granted Filed Granted Granted Granted Granted Granted Granted Filed Granted Filed	17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13 3-Dec-13 15-Jul-13 19-May-92 21-Mar-94 5-Nov-91	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 7	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFFWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES METHOD FOR ESTABLISHING A MASTER-SLAVE RELATIONSHIP IN A PEER-TO-PEER NETWORK VOLTAGE STRESS PROTECTION DEVICE FOR DIELECTRIC CABLE A RADIO TRANSMISSION METHOD USING REPEATER STATIONS WITH SPECTRUM REVERSAL METHOD OF INDEXING FOR SEARCHING KEYWORDS IN A DATA FILE
BA0122 BA0121 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2656 20000RS 20001RS BA0085 ID0037 12444FR HU0107 ID0006	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/909,054 61/911,244 90/012,918 07/885,951 08/216,011 07/788,081 07/885,531	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY 6,345,282 6,327,358 #EMPTY	Granted Granted Granted Granted Granted Filed Granted Granted Granted Granted Granted Granted Filed Granted Filed Granted Filed Filed Inactive Inactive Inactive	17-Apr-98 17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13 3-Dec-13 15-Jul-13 19-May-92 21-Mar-94 5-Nov-91 24-Jan-92	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 7	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFFWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES METHOD FOR ESTABLISHING A MASTER-SLAVE RELATIONSHIP IN A PEER-TO-PEER NETWORK VOLTAGE STRESS PROTECTION DEVICE FOR DIELECTRIC CABLE A RADIO TRANSMISSION METHOD USING REPEATER STATIONS WITH SPECTRUM REVERSAL METHOD OF INDEXING FOR SEARCHING KEYWORDS IN A DATA FILE SURVEILLANCE SYSTEM SENDS COMPRESSED VIDEO DOWN TELEPHONE LINE SURVEILLANCE SYSTEM SENDS COMPRESSED VIDEO DOWN TELEPHONE LINE
BA0122 BA0121 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2656 20000RS 20001RS BA0085 ID0037 12444FR HU0107 ID0006 ID0048	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/909,054 61/911,244 90/012,918 07/885,951 08/216,011 07/788,081 07/885,531 08/492,496	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 #EMPTY 6,301,407 6,339,640 6,298,059 #EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 5,509,028 5,375,235 5,202,759 5,572,351	Granted Granted Granted Granted Granted Filed Granted Granted Granted Granted Granted Granted Filed Granted Filed Granted Filed Filed Inactive Inactive Inactive Inactive	17-Apr-98 17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13 3-Dec-13 15-Jul-13 19-May-92 21-Mar-94 5-Nov-91 24-Jun-95	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 7	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFTWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES METHOD FOR ESTABLISHING A MASTER SLAVE RELATIONSHIP IN A PEER TO-PEER NETWORK VOLTAGE STRESS PROTECTION DEVICE FOR DIELECTRIC CABLE A RADIO TRANSMISSION METHOD USING REPEATER STATIONS WITH SPECTRUM REVERSAL METHOD OF INDEXING FOR SEARCHING KEYWORDS IN A DATA FILE SURVEILLANCE SYSTEM SENDS COMPRESSED VIDEO DOWN TELEPHONE LINE OPTICAL COMMUNICATIONS SYSTEMS
BA0122 BA0122 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO41518 RR2598 RR2598 BA0085 ID0037 12444FR HU0107 ID0006 ID0048 ID0140	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/900,131 06/909,054 61/911,244 90/012,918 07/885,951 08/216,011 07/788,081 07/825,531 08/492,496 08/216,254	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 4EMPTY 6,301,407 6,339,640 6,298,059 4EMPTY 6,345,282 6,327,358 4EMPTY 4EMPTY 4EMPTY 4EMPTY 5,509,028 5,375,235 5,202,759 5,572,351 5,452,116	Granted Filed Granted Filed Granted Filed Inactive	17-Apr-98 17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13 3-Dec-13 15-Jul-13 19-May-92 21-Mar-94 24-Jun-95 20-Jun-95 22-Mar-94	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 7-Aug-01 7-Aug-01 7-Aug-01 15-Jan-02 2-Oct-01 #EMPTY 5-Feb-02 4-Dec-01 #EMPTY #EMPTY #EMPTY #EMPTY #EMPTY 16-Apr-96 20-Dec-94 13-Apr-93 5-Nov-96	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFTWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES METHOD FOR ESTABLISHING A MASTER SLAVE RELATIONSHIP IN A PEER-TO-PEER NETWORK VOLTAGE STRESS PROTECTION DEVICE FOR DIELECTRIC CABLE A RADIO TRANSMISSION METHOD USING REPEATER STATIONS WITH SPECTRUM REVERSAL METHOD OF INDEXING FOR SEARCHING KEYWORDS IN A DATA FILE SURVEILLANCE SYSTEM SENDS COMPRESSED VIDEO DOWN TELEPHONE LINE OPTICAL COMMUNICATIONS SYSTEMS TRANSMISSION SYSTEM INCORPORATING OPTICAL AMPUFIERS
BA0122 BA0122 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2598 RR2598 ID0037 12444FR HU0107 ID0006 ID0048 ID0140 ID0162	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/991,244 90/012,918 07/885,951 08/216,011 07/788,081 07/885,531 08/492,496 08/216,254 08/189,049	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 4EMPTY 6,301,407 6,339,640 6,298,059 4EMPTY 6,345,282 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 45,509,028 5,375,235 5,202,759 5,572,351 5,452,116 5,416,626	Granted Filed Granted Filed Inactive	17-Apr-98 17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13 15-Jul-13 15-Jul-13 15-Jul-13 15-Jul-13 21-Mar-94 24-Jan-92 20-Jun-95 22-Mar-94 31-Jan-94	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 4EMPTY 9-Oct-01 15-Jan-02 2-Oct-01 4EMPTY 5-Feb-02 4-Dec-01 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 16-Apr-96 19-Sep-95 16-May-95	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHROHOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFTWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES METHOD OF INDEXING FOR SEARCHING AN ASTER SLAVE RELATIONS WITH SPECTFUN REVERSAL METHOD OF INDEXING FOR SEARCHING KEYWORDS IN A DATA FILE SURVEILLANCE SYSTEM SENDS COMPRESSED VIDEO DOWN TELEPHONE LINE OPTICAL COMMUNICATIONS SYSTEMS TRANSMISSION SYSTEM INCORPORATING OPTICAL AMPLIFIERS OPICALLY AMPLIFIED TRANSMISSION SYSTEMS
BA0122 BA0122 BA0191 BA0195 BA0201 BA0454 ID1009 RO4145 RO4289 RO4518 RR2598 RR2598 BA0005 ID0037 12444FR HU0107 ID0006 ID0048 ID0140 ID0162 ID0456	US U	09/062,393 09/062,393 09/062,393 09/460,273 09/036,374 09/110,104 14/330,060 09/304,438 09/215,260 09/219,437 14/463,818 09/408,619 09/300,131 61/909,054 09/012,918 07/885,951 08/216,011 07/788,081 07/885,951 08/216,254 08/189,049 29/055,144	6,272,516 6,272,516 6,650,651 6,320,859 6,272,145 4EMPTY 6,301,407 6,339,640 6,298,059 4EMPTY 6,345,282 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 4EMPTY 5,509,028 5,375,235 5,202,759 5,572,351 5,416,626 D393,468	Granted Filed Granted Filed Inactive	17-Apr-98 17-Apr-98 17-Apr-98 13-Dec-99 6-Mar-98 1-Jul-98 1-Jul-98 14-Jul-14 3-May-99 18-Dec-98 20-Aug-14 30-Sep-99 27-Apr-99 26-Nov-13 3-Dec-13 19-May-92 21-Mar-94 24-Jan-92 20-Jun-95 22-Mar-94 31-Jan-94 31-Jan-94 30-May-96	7-Aug-01 7-Aug-01 18-Nov-03 20-Nov-01 7-Aug-01 4EMPTY 9-Oct-01 15-Jan-02 2-Oct-01 4EMPTY 5-Feb-02 4-Dec-01 4EMPTY 4EMPTY 4EMPTY 4EMPTY 16-Apr-96 19-Sep-95 16-May-95 14-Apr-98	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH OUTPUT BUFFER EARLY AVAILABILITY OF FOWARDING CONTROL INFORMATION METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR COMMUNICATING DATA ACROSS MULTIPLE COMMUNICATION LINKS METHOD AND APPARATUS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET DIELECTRIC OPTICAL FILTER NETWORK METHOD AND APPARATUS FOR AUTOMATIC CALLBACK IN A TELECOMMUNICATION SYSTEM MULTIPLE QUALITY OF SERVICE ASYNCHRONOUS TRANSFER MODE-FRAME RELAYINTERWORKING FUNCTION AND METHOD STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS MULTI-PROCESSOR DATA SYNCHRONIZATION METHOD AND APPARATUS SYSTEM AND METHOD FOR REROUTING DATA CALLS TO INTERNET SERVICE PROVIDER VIA LOWEST ACCESS POINT IN A TELEPHONE NETWORK ETHERNET PACKET TRUNK AGGREGATION FOR DATA CENTERS SOFFWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES METHOD FOR ESTABLISHING A MASSER SLAVE RELATIONS WITH SPECTFUM REVERSAL A RADIO TRANSMISSION METHOD USING REPEATER STATIONS WITH SPECTRUM REVERSAL METHOD OF INDEXING FOR SEARCHING KEYWORDS IN A DATA FILE SURVEILLANCE SYSTEM SENDS COMPRESSED VIDEO DOWN TELEPHONE LINE SURVEILLANCE SYSTEM SENDS COMPRESSED VIDEO DOWN TELEPHONE LINE OPTICAL COMMUNICATIONS SYSTEMS TRANSMISSION SYSTEM INCORPORATING OPTICAL AMPLIFIERS OPICALLY AMPLIFIED TRANSMISSION SYSTEMS STREET CABINET
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ID0901	US	29/099,452	D424,066 Inactive	e 12-Jun-98	2-May-00	A CONTAINER FOR ELECTRICAL ELECTRONIC EQUIPMENT
ID0943	US	29/090,556	D413,021 Inactive	e 9-Jul-98	24-Aug-99	A CONTAINER FOR ELECTRICAL ELECTRONIC EQUIPMENT
ID0962	US	29/090,414	D418,074 Inactive	e 8-Jul-98	28-Dec-99	SIGNAL COUPLER UNIT
ID1001	US	29/090,872	D408,400 Inactive	e 17-Jul-98	20-Apr-99	MOBILE COMMUNICATIONS DEVICE
MO0098	US	08/137,453	5,394,000 Inactive	e 7-Oct-93	28-Feb-95	METHOD OF FORMING SELFALIGNED INTERPAYSILICON CAPACITOR
M00112	US	08/041,378	5,296,726 Inactive	e 1-Apr-93	22-Mar-94	HIGH RESISTIVE LOAD FOR AN INTEGRATED CIRCUIT
M00121	US	08/080,544	5,362,669 Inactive	e 24-Jun-93	8-Nov-94	METHOD OF MAKING INTEGRATED CIRCUITS
MO0121	US	08/638,084	5,773,871 Inactive	e 25-Apr-96	30-Jun-98	METHOD OF MAKING INTEGRATED CIRCUITS
RM1053	US	08/080,543	5,515,475 Inactive	e 24-Jun-93	7-May-96	SPEECH RECOGNITION METHOD USING A TWO PASS SEARCH
RO2524	US	08/205,333	5,485,593 Inactive	e 3-Mar-94	16-Jan-96	SHARED MEMORY ACCESS AND DATA STRUCTURE ACCESS CONTROL
RO2554	US	07/858,293	5,241,265 Inactive	e 26-Mar-92	31-Aug-93	LOGIC FUNCTION CIRCUIT WITH AN ARRAY OF DATA STORES AND THEIR CIRCUIT TESTING
RO2614	US	08/033,227	5,353,282 Inactive	e 18-Mar-93	4-Oct-94	LOCAL AREA NETWORK EMBEDDED IN THE COMMUNICATION SWITCH CORE
RO2621	US	07/868,941	5,274,702 Inactive	e 16-Apr-92	28-Dec-93	WIDEBAND TELEPHONE LINE INTERFACE CIRCUIT
RO2661	US	08/104,265	5,471,650 Inactive	e 7-Jan-93	28-Nov-95	RADIO LINK PARAMETER CONTROL IN WIRELESS PERSONAL COMMUNICATIONS SYSTEM
RO2687	US	07/858,377	5,349,587 Inactive	e 26-Mar-92	20-Sep-94	METHOD AND APPARATUS FOR TESTING DIGITAL SYSTEMS
RO2716	US	07/868,940	5,258,713 Inactive	e 16-Apr-92	2-Nov-93	IMPEDANCE GENERATOR FOR A TELEPHONE LINE INTERFACE CIRCUIT
RO2743	US	07/906,192	5,363,425 Inactive	e 29-Jun-92	8-Nov-94	METHOD AND APPARATUS FOR PROVIDING A PERSONAL LOCATOR, ACCESS CONTROL AND ASSET TRACKING SERVICE USING AN IN-BUILDING TEL NETWORK
RO2764	US	08/426,438	5,511,118 Inactive	e 21-Apr-95	23-Apr-96	METHOD OF PROVIDING DC FEED TO A TELEPHONE LINE
RO2765	US	07/921,671	5,285,164 Inactive	e 30-Jul-92	8-Feb-94	ELECTROMAGNETIC RADIATION MEASUREMENT APPARATUS
RO2793	US	08/013,560	5,353,025 Inactive	e 4-Feb-93	4-Oct-94	METHODS AND APPARATUS FOR DIGITALLY ENCODING REPETITIVE ANALOG WAVEFORMS
RO2794	US	08/013,711	5,406,209 Inactive	e 4-Feb-93	11-Apr-95	METHODS AND APPARATUS FOR TESTING CIRCUIT BOARDS
RO2812	US	08/041,377	5,390,231 Inactive	e 1-Apr-93	14-Feb-95	PROTECTION AND RECOVERY OF TELEPHONE LINE INTERFACE CIRCUITS
RO2877	US	08/246,207	5,420,529 Inactive	e 19-May-94	30-May-95	CURRENT STEERING SWITCH AND HYBRID BICMOS MULTIPLEXER WITHCMOS COMMUTATION SIGNAL AND CML/ECL DATA SIGNALS
RO2885	US	08/180,155	5,408,260 Inactive	e 11-Jan-94	18-Apr-95	CUSTOMER PREMISES ADSL SIGNAL DISTRIBUTION ARRANGEMENT
RO3031	US	29/044,661	D395,653 Inactive	e 28-Sep-95	30-Jun-98	TELEPHONE NECK SET
RO3032	US	29/044,814	D398,927 Inactive	e 28-Sep-95	29-Sep-98	SOUNDBEAM TELEPHONE BASE STATION
RO3191	US	29/061,305	D386,493 Inactive	e 21-Nov-96	18-Nov-97	TELEPHONE
RO3446	US	29/064,889	D396,041 Inactive	e 13-Jan-97	14-Jul-98	WIRELESS ANTENNA STAND
10003ID	US	09/338,693	6,438,287 Granted	d 23-Jun-99	20-Aug-02	DISPERSION COMPENSATION
10128RR	US	09/473,746	6,539,221 Granted	d 28-Dec-99		AUTOMATIC WIRELESS NETWORK DESIGN
10130RO	US	09/663,568	6,898,784 Granted	d 15-Sep-00	24-May-05	METHOD AND SYSTEM FOR FORMING SKELETONS FOR GENERATING VERIFICATION SYSTEMS
10152RO	US	09/333,269	6,922,390 Granted	d 15-Jun-99	26-Jul-05	METHOD AND APPARATUS FOR FORECASTING AND CONTROLLING CONGESTION IN A DATA TRANSPORT NETWORK
10159RR	US	09/369,944	6,578,085 Granted	d 6-Aug-99		SYSTEM AND METHOD FOR ROUTE OPTIMIZATION IN A WIRELESS INTERNET PROTOCOL NETWORK
10172ST	US	09/465,645	6,816,468 Granted		9-Nov-04	CAPTIONING FOR TELE-CONFERENCE
10173ST	US	09/417,047	6,704,294 Granted	d 13-Oct-99	9-Mar-04	ESTABLISHMENT OF A PSTN AND INTERNET MULTIMEDIA COLLABORATION SESSION
10177SC	US	09/404,043	6,744,867 Granted	d 23-Sep-99		REMOTE CONTROL OF CPE-BASED SERVICE LOGIC
10177SC	US	10/856,163	7,933,396 Granted	,		REMOTE CONTROL OF CPE-BASED SERVICE LOGIC
10181RO	US	09/390,214	6,178,001 Granted			METHOD AND APPARATUS FOR OPTICAL FREQUENCY MODULATION CHARACTERIZATION OF LASER SOURCES
10201RO	US	09/401,919	6,530,032 Granted			NETWORK FAULT RECOVERY METHOD AND APPARATUS
10202RO	US	09/522,096	6,490,244 Granted			LAYER 3 ROUTING IN SELF-HEALING NETWORKS
10204RR	US	09/351,342	6,480,718 Granted			AUTOMATIC FREQUENCY PLANNING FOR A WIRELESS NETWORK
10207RR	US	09/455,090	6,647,059 Granted			CODE DIVISION MULTIPLE ACCESS CABLE MODEM
10212BA	US	09/398,370	6,640,251 Granted			MULTICAST-ENABLED ADDRESS RESOLUTION PROTOCOL (ME-ARP)
10212BA	US	10/444,397	7,702,808 Granted			MULTICAST-ENABLED ADDRESS RESOLUTION PROTOCOL (ME-ARP)
10212BA	US	12/661,895	8,024,474 Granted			MULTICAST-ENABLED ADDRESS RESOLUTION PROTOCOL (ME-ARP)
10212BA	US	13/222,900	8,782,288 Granted			MULTICAST-ENABLED ADDRESS RESOLUTION PROTOCOL (ME-ARP)
10223ID	US	09/472,449	6,671,510 Granted			WIRELESS TELEPHONE SYSTEM AND OPERATION METHOD THEREFOR
10225RR	US	09/358,994	6,690,651 Granted			METHOD AND APPARATUS FOR AUTOMATIC TRANSFER OF A CALL IN A COMMUNICATIONS SYSTEM IN RESPONSE TO CHANGES IN QUALITY OF SERVICE
10232RO	US	09/519,668	6,760,383 Granted			LONG REACH SDSL SYSTEM SPECTRALLY COMPATIBLE WITH ADSL SYSTEMS
10247SR	US	09/359,538	6,674,746 Granted			METHOD AND APPARATUS FOR VOICE OVER INTERNET PROTOCOL SWAPPING IN A COMMUNICATIONS SYSTEM
10254RO	US	09/465,340	6,714,560 Granted			SST SIGNALLING TRANSPORT OVER ATM
10256RO	US	09/335,836	6,259,391 Granted			ANALOG GAIN CONTROL ADJUSTMENT USING A PROBABILISTIC ALGORITHM
10258RN	US	09/354,372	6,584,193 Granted			SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR NETWORK TELEPHONE QUEUING
10282RO	US	09/356,041	6,788,785 Granted	d 16-Jul-99	7-Sep-04	STABLE ADAPTIVE FILTER AND METHOD

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10286RO	US	09/392,534	6,509,992 Granted	9-Sep-99	21-Jan-03	FREE SPACE OPTICAL INTERCONNECT SYSTEM TOLERANT TO MISALIGNMENTS AND METHOD OF OPERATION THEREOF
10301RN	US	09/335,203	6,587,456 Granted	17-Jun-99	1-Jul-03	METHOD AND APPARATUS FOR REDUCING LOAD DISTRIBUTION DELAY IN AN INTERNET PROTOCOL SWITCH
10314RO	US	09/405,095	6,640,334 Granted	27-Sep-99	28-Oct-03	METHOD AND APPARATUS OF REMOTELY UPDATING FIRMWARE OF A COMMUNICATION DEVICE
10337SC	US	09/528,232	6,570,966 Granted	17-Mar-00	27-May-03	INTERMIXING DATA AND VOICE ON VOICE CIRCUITS
10346RO	US	09/270,733	6,937,574 Granted	16-Mar-99	30-Aug-05	VIRTUAL PRIVATE NETWORKS AND METHODS FOR THEIR OPERATION
10348RO	US	09/320,585	6,614,805 Granted	27-May-99	2-Sep-03	METHOD AND APPARATUS FOR MEDIA ACCESS CONTROL FOR PACKET TRANSMISSION OVER A BUFFER INSERTION RING
10356RO	US	09/339,920	6,781,986 Granted	25-Jun-99	24-Aug-04	SCALABLE HIGH CAPACITY SWITCH ARCHITECTURE METHOD, APPARATUS AND SYSTEM
10361RO	US	09/345,453	6,650,618 Granted	1-Jul-99	18-Nov-03	METHOD AND APPARATUS FOR MANAGING COMMUNICATIONS BETWEEN NODES IN A BI-DIRECTIONAL RING NETWORK
10362BA	US	09/437,927	6,717,944 Granted	10-Nov-99	6-Apr-04	SYSTEM, DEVICE, AND METHOD FOR ALLOCATING VIRTUAL CIRCUITS IN A COMMUNICATION NETWORK
10367RO	US	09/475,047	6,940,826 Granted	30-Dec-99	6-Sep-05	APPARATUS AND METHOD FOR PACKET-BASED MEDIA COMMUNICATIONS
10386RO	US	09/475,308	6,993,025 Granted	30-Dec-99	31-Jan-06	METHOD AND APPARATUS FOR ENCODING A PLURALITY OF PRE-DEFINED CODES INTO A SEARCH KEY AND FOR LOCATING A LONGEST MATCHING PRE-DEFINED CODE
10386RO	US	11/034,839	7,324,519 Granted	14-Jan-05	29-Jan-08	METHOD AND APPARATUS FOR ENCODING A PLURALITY OF PRE-DEFINED CODES INTO A SEARCH KEY AND FOR LOCATING A LONGEST MATCHING PRE-DEFINED CODE
10387ID	US	09/327,561	6,449,354 Granted	8-Jun-99	10-Sep-02	COMMUNICATION SYSTEM, ARTICLE AND METHOD OF CONFIGURING AND ESTABLISHING A CONNECTION THEREIN
10391RO	US	09/362,886	6,529,301 Granted	29-Jul-99	4-Mar-03	OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
10391RO	US	10/360,680	8,463,123 Granted	10-Feb-03	11-Jun-13	OPTICAL SWITCH AND PROTOCOLS FOR USE THEREWITH
10416RO	US	09/337,536	6,691,282 Granted	22-Jun-99	10-Feb-04	METHOD AND APPARATUS FOR DISPLAYING AND NAVIGATING CONTAINMENT HIERARCHIES
10427RO	US	09/513,244	6,788,681 Granted	25-Feb-00	7-Sep-04	VIRTUAL PRIVATE NETWORKS AND METHODS FOR THEIR OPERATION
10433RM	US	09/436,991	6,401,063 Granted	9-Nov-99	4-Jun-02	METHOD AND SYSTEM FOR USE IN SPEAKER VERIFICATION
10439BA	US	09/588,904	6,798,739 Granted	7-Jun-00	28-Sep-04	MECHANISM FOR SPLICING TREES
10440HU	US	09/362,515	6,479,761 Granted	28-Jul-99	12-Nov-02	CIRCUIT BOARD WITH REDUCED NOISE ARCHITECTURE
10441ID	US	09/411,284	6,697,342 Granted	4-Oct-99	24-Feb-04	CONFERENCE CIRCUIT FOR ENCODED DIGITAL AUDIO
10452ID	US	09/349,348	6,678,246 Granted	7-Jul-99	13-Jan-04	PROCESSING DATA PACKETS
10461ID	US	09/437,063	6,747,977 Granted	9-Nov-99	8-Jun-04	PACKET INTERFACE AND METHOD OF PACKETIZING INFORMATION
10476RM	US	09/470,995	6,499,012 Granted	23-Dec-99	24-Dec-02	METHOD AND APPARATUS FOR HIERARCHICAL TRAINING OF SPEECH MODELS FOR USE IN SPEAKER VERIFICATION
10478RO	US	09/391,418	6,480,899 Granted	8-Sep-99	12-Nov-02	DIFFERENTIATED SERVICES IP QUALITY OF SERVICES ROUND TRIP TIME AWARE INTELLIGENT TRAFFIC CONDITIONER IN AN INGRESS NODE OF VIRTUAL PRIVATE NETWORKS
10482RM	US	09/404,797	6,408,271 Granted	24-Sep-99	18-Jun-02	METHOD AND APPARATUS FOR GENERATING PHRASAL TRANSCRIPTIONS
10488RO	US	09/469,783	6,690,886 Granted	22-Dec-99	10-Feb-04	SUPPRESSION OF FOUR-WAVE MIXING IN ULTRA DENSE WDM OPTICAL COMMUNICATION SYSTEMS THROUGH OPTICAL FIBER DISPERSION MAP DESIGN
10488RO	US	10/692,782	7,319,819 Granted	27-Oct-03	15-Jan-08	SUPPRESSION OF FOUR-WAVE MIXING IN ULTRA DENSE WDM OPTICAL COMMUNICATION SYSTEMS THROUGH OPTICAL FIBER DISPERSION MAP DESIGN
10491RO	US	09/315,042	6,418,473 Granted	20-May-99	9-Jul-02	MULTIMEDIA CLIENT AND SERVER
10495RM	US	09/386,282	6,912,499 Granted	31-Aug-99	28-Jun-05	METHOD AND APPARATUS FOR TRAINING A MULTILINGUAL SPEECH MODEL SET
10499RO	US	09/635,073	6,944,166 Granted	9-Aug-00	13-Sep-05	METHOD FOR CONTROLLING SERVICE LEVELS OVER PACKET BASED NETWORKS
10508RO	US	09/374,528	6,658,027 Granted	16-Aug-99	2-Dec-03	JITTER BUFFER MANAGEMENT
10521RO	US	09/472,151	6,738,819 Granted	27-Dec-99	18-May-04	DYNAMIC ADMISSION CONTROL FOR IP NETWORKS
10522ID	US	09/337,069	6,560,206 Granted	21-Jun-99	6-May-03	CELL BASED DATA TRANSMISSION METHOD
10524ID	US	09/385,939	6,363,187 Granted	30-Aug-99		CHROMATIC DISPERSION COMPENSATION
10533RO	US	09/603,355	6,901,048 Granted	26-Jun-00	31-May-05	LINE-LEVEL PROTECTION OF TRAFFIC IN A PACKET-SWITCHED NETWORK
10545ID	US	09/410,314	6,763,005 Granted	1-Oct-99	13-Jul-04	SATELLITE TRAFFIC ROUTING
10584RO	US	09/472,228	6,707,901 Granted	27-Dec-99	16-Mar-04	SUBSCRIBER PROFILE EXTENSION (SPEX)
10593RG	US	09/428,656	6,594,470 Granted	28-Oct-99	15-Jul-03	SYSTEM AND METHOD FOR REMOTE MANAGEMENT OF CALL CENTER OPERATIONS
10595ID	US	09/411,283	6,728,254 Granted	4-Oct-99	27-Apr-04	MULTIPLE ACCESS PARALLEL MEMORY AND METHOD
10598BA	US	09/585,421	6,728,777 Granted	2-Jun-00	27-Apr-04	METHOD FOR ENGINEERING PATHS FOR MULTICAST TRAFFIC
10599RN	US	10/852,890	7,801,157 Granted	25-May-04	21-Sep-10	METHODS AND SYSTEMS FOR PROCESSING CALLS IN A PACKET NETWORK USING PEER CALL SERVERS
10611HU	US	09/474,124	6,577,720 Granted	29-Dec-99		SYSTEM AND METHOD FOR PROVIDING HIGH-SPEED COMMUNICATIONS USING A PUBLIC TERMINAL
10614BA	US	09/460,780	6,807,423 Granted	14-Dec-99		COMMUNICATION AND PRESENCE SPANNING MULTIPLE ACCESS NETWORKS
10615BA	US	09/461,119	7,221,658 Granted	14-Dec-99		INDEPENDENT CONTACT SPANNING MULTIPLE ACCESS NETWORKS
10616BA	US	09/461,492	7,373,428 Granted	14-Dec-99		INTELLIGENT FILTERING FOR CONTACT SPANNING MULTIPLE ACCESS NETWORKS
10623RX	US	09/387,036	6,363,319 Granted	31-Aug-99		CONSTRAINT-BASED ROUTE SELECTION USING BIASED COST
10628RO	US	09/472,910	7,257,217 Granted	27-Dec-99	-	CALL FEATURES FOR AUTOMATIC CALL DISTRIBUTION SYSTEM
10628RO	US	11/827,142	7,885,400 Granted	10-Jul-07		CALL FEATURES FOR AUTOMATIC CALL DISTRIBUTION SYSTEM
10635ID	US	09/745,890	7,620,322 Granted	21-Dec-00		LOAD SHARING NODES IN A NETWORK UTILISING SHARED OPTICAL PROTECTION
10642HU	US	09/235,869	6,425,010 Granted	22-Jan-99		STEERING OF INTERNET ACCESS TO SPONSORS
10645HU	US	09/205,041	6,466,976 Granted	3-Dec-98		SYSTEM AND METHOD FOR PROVIDING DESIRED SERVICE POLICIES TO SUBSCRIBERS ACCESSING THE INTERNET
10645HU	US	10/264,053	7,302,493 Granted	3-Oct-02		SYSTEM AND METHOD FOR PROVIDING DESIRED SERVICE POLICIES TO SUBSCRIBERS ACCESSING THE INTERNET
10650ID	US	09/375,709	6,400,803 Granted	17-Aug-99	4-Jun-02	VOICE OVER DIGITAL SUBSCRIBER LINE CALL REDIRECTION FOR LIFELINE SERVICE

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10695RM	US	09/559,459	6,502,070 Granted	28-Apr-00	31-Dec-GZ METHOD AND APPARATUS FOR NORMALIZING CHANNEL SPECIFIC SPEECH FEATURE ELEMENTS
10717RN	US	09/589,414	6,938,080 Granted	7-Jun-00	30-Aug-05 METHOD AND COMPUTER SYSTEM FOR MANAGING DATA EXCHANGES AMONG A PLURALITY OFNETWORK NODES IN A MANAGED PACKET NETWORK
10722RO	US	09/517,432	6,704,307 Granted	2-Mar-00	9-Mar-G4/COMPACT HIGH-CAPACITY SWITCH
10725RR	US	09/468,977	6,823,364 Granted	21-Dec-99	23-Nov-64 DISTRIBUTION OF LOCATION INFORMATION IN IP NETWORKS BY INTELLIGENT ENDPOINTS
10726RR	US	09/595,551	7,174,018 Granted	16-Jun-00	6-Feb-G7 SECURITY FRAMEWORK FOR AN IP MOBILITY SYSTEMS USING VARIABLE-BASED SECURITY ASSOCIATIONS AND BROKER REDIRECTION
10728ID	US	09/434,954	6,594,354 Granted	5-Nov-99	15-Jul-03 METHOD AND APPARATUS FOR ALERT CONTROL ON A COMMUNICATION SYSTEM
10745RN	US	09/431,566	7,308,462 Granted	29-Oct-99	11-Dec-G7 METHODS AND SYSTEMS FOR BUILDING AND DISTRIBUTING AUDIO PACKAGES
10753ID	US	09/474,540	6,626,589 Granted	29-Dec-99	30-Sep-03 OPTICAL PACKET SWITCHING
10797RN	US	09/430,045	7,376,710 Granted	29-Oct-99	20-May-08 METHODS AND SYSTEMS FOR PROVIDING ACCESS TO STORED AUDIO DATA OVER A NETWORK
10804RO	US	09/401,955	6,680,933 Granted	23-Sep-99	20-Jan-04 TELECOMMUNICATIONS SWITCHES AND METHODS FOR THEIR OPERATION
10808ID	US	09/460,781	7,603,411 Granted	14-Dec-99	13-Oct-09 PRESENCE MANAGEMENT SYSTEM
10810ID	US	09/461,654	6,853,634 Granted	14-Dec-99	8-Feb-05 ANONYMITY IN A PRESENCE MANAGEMENT SYSTEM
10818RO	US	09/461,023	6,718,036 Granted	15-Dec-99	6-Agr-04 LUNEAR PREDICTIVE CODING BASED ACOUSTIC ECHO CANCELLATION
10822RO	US	09/466,640	7,092,934 Granted	20-Dec-99	15-Aug-06 METHOD AND APPARATUS FOR ASSOCIATING INFORMATION WITH AN OBJECT IN A FILE
10845RO	US	09/471,136	6,741,559 Granted	23-Dec-99	25-May-04 METHOD AND DEVICE FOR PROVIDING PRIORITY ACCESS TO A SHAREDACCESS NETWORK
10849ID	US	09/374,805	6,272,209 Granted		7-Aug-01 LIFELINE TELEPHONY PROVISION FOR VOICE OVER DIGITAL SUBSCRIBER LINE
	US			16-Aug-99	18-Feb-03 ENHANCED VODSL SERVICE PROVISION
10850ID	US	09/375,759	6,522,647 Granted	18-Aug-99	25-Feb-03 VODSL SERVICE PROVISION
10868ID	+	09/375,758	6,526,058 Granted	18-Aug-99	15-Ag-03 MCTHOD AND APPARATUS FOR GENERATING MULTILINGUAL TRANSCRIPTION GROUPS
10871RM	US	09/432,697	6,549,883 Granted	2-Nov-99	19-Agr-03 SUPPORTING MULTIPLE SERVICES IN LABEL SWITCHED NETWORKS
10872ID	US	09/354,651	6,882,643 Granted	16-Jul-99	
10890ID	US	09/374,806	6,647,117 Granted	16-Aug-99	11-Nov-03 CONTINUITY OF VOICE CARRIED OVER DSL DURING POWER FAILURE
10909ID	US	09/408,960	6,813,271 Granted	30-Sep-99	2-Nov-04 SATELLITE COMMUNICATIONS SYSTEM AND METHOD OF SUPPORTING ATM CELL TRANSMISSIONS IN A DVB ENVIRONMENT
10915ID	US	09/474,542	6,901,053 Granted	29-Dec-99	31-May-05 CONNECTIONLESS NETWORK EXPRESS ROUTE
10936ID	US	09/368,276	6,628,612 Granted	3-Aug-99	30-Sep-03 DERIVATION OF EQUIVALENT BANDWIDTH OF AN INFORMATION FLOW
10942ID	US	09/480,509	6,362,917 Granted	10-Jan-00	26-Mar-02 OPTICAL AMPLIFIER
10943ID	US	10/825,541	7,394,811 Granted	15-Apr-04	1-Jul-08 ESTABLISHING CONNECTIONS ACROSS A COMMUNICATIONS NETWORK
10944ID	US	09/470,630	6,396,969 Granted	22-Dec-99	28-May-02 DISTRIBUTED OPTICAL SWITCHING DEVICE
10972ID	US	09/410,317	6,680,943 Granted	1-Oct-99	20-Jan-04 ESTABLISHING BI-DIRECTIONAL COMMUNICATION SESSIONS ACROSS A COMMUNICATIONS NETWORK
10997ID	US	09/459,548	6,795,653 Granted	13-Dec-99	21-Sep-04 APPARATUS FOR RESHAPING OPTICAL PULSES
11003RO	US	09/639,075	6,528,737 Granted	16-Aug-00	4-Mar-03 MIDPLANE CONFIGURATION FEATURING SURFACE CONTACT CONNECTORS
11009ID	US	09/459,546	6,694,098 Granted	13-Dec-99	17-Feb-04 APPARATUS AND METHOD FOR READING DATA FROM AN OPTICAL PACKET HEADER
11013RO	US	09/471,141	6,616,350 Granted	23-Dec-99	9-Sep-03 METHOD AND APPARATUS FOR PROVIDING A MORE EFFICIENT USE OF THE TOTAL BANDWIDTH CAPACITY IN A SYNCHRONOUS OPTICAL NETWORK
11026ID	US	09/474,541	6,347,006 Granted	29-Dec-99	12-Feb-02 CONTROL FOR PERIODIC OPTICAL FILTER
11032RR	US	10/199,797	7,149,506 Granted	19-Jul-02	12-Dec-06 PORTABLE CALL MANAGEMENT SYSTEM
11033RR	US	09/561,834	7,024,461 Granted	28-Apr-00	4-Apr-06 SESSION INITIATION PROTOCOL ENABLED SET-TOP DEVICE
11033RR	US	11/394,693	8,069,252 Granted	31-Mar-06	29-Nov-11 SESSION INITIATION PROTOCOL ENABLED SET-TOP DEVICE
11033RR	US	11/395,929	7,617,298 Granted	31-Mar-06	10-Nov-09 SESSION INITIATION PROTOCOL ENABLED SET-TOP DEVICE
11034BA	US	09/545,660	6,609,226 Granted	10-Apr-00	19-Aug-83 NETWORKING DEVICE AND METHOD FOR MAKING CYCLIC REDUNDANCY CHECK (CRC) IMMUNE TO SCRAMBLER ERROR DUPLICATION
11044HU	US	09/474,125	6,701,350 Granted	29-Dec-99	2-Mar-04 SYSTEM AND METHOD FOR WEB PAGE FILTERING
11051RO	US	09/695,108	7,761,541 Granted	25-Oct-00	20-Jul-10 SERVICE ENABLING TECHNOLOGY
11052RO	US	09/466,663	6,681,012 Granted	17-Dec-99	20-Jan-04 DIRECTIONAL RECEIVER COUPLING ARRANGEMENT WITH FREQUENCY SELECTIVITYAND GAIN CONTROL FOR DSL
11052RO	US	10/751,635	7,123,897 Granted	6-Jan-04	17-Oct-06 DIRECTIONAL RECEIVER COUPLING ARRANGEMENT WITH FREQUENCY SELECTIVITY AND GAIN CONTROL FOR DSL
11055RO	US	09/475,044	6,795,555 Granted	30-Dec-99	21-Sep-04 ENCRYPTION KEY EXCHANGE PROTOCOL
11117RO	US	09/472,643	6,542,586 Granted	27-Dec-99	1-Apr-03 TEXT MESSAGING WITH EMBEDDED TELEPHONY ACTION KEYS
11118RR	US	09/428,808	6,968,395 Granted	28-Oct-99	22-Nov-05 PARSING MESSAGES COMMUNICATED OVER A DATA NETWORK
11119RR	US	09/492,046	6,678,735 Granted	26-Jan-00	13-Jan-04 METHOD AND APPARATUS FOR A SIP CLIENT MANAGER
11119RR	US	10/718,098	7,496,672 Granted	20-Nov-03	24-Feb-09 METHOD AND APPARATUS FOR A SIP CLIENT MANAGER
11122RR	US	09/431,994	6,438,555 Granted	2-Nov-99	20-Aug-02 METHOD AND APPARATUS FOR ACCESING AN ORDERED ARRAY STRUCTURE
11125RO	US	09/566,391	6,894,974 Granted	8-May-00	17-May-05 METHOD, APPARATUS, MEDIA, AND SIGNALS FOR CONTROLLING PACKET TRANSMISSION RATE FROM A PACKET SOURCE
11153RR	US	09/540,362	7,173,917 Granted	31-Mar-00	6-Feb-07 UNICAST AGENT ADVERTISEMENT BASED ON LAYER 2 AND LAYER 3 MOTION DETECTION
11159RO	US	09/414,590	7,111,056 Granted	8-Oct-99	19-Sep-06 METHOD, APPARATUS, AND ARTICLE OF MANUFACUTRE FOR WEB-BASED CONTROL OF A UNIFIED MULTI-SERVICE COMMUNICATION SYSTEM
11192RR	US	09/661,112	6,708,034 Granted	13-Sep-00	16-Mar-04 END-TO-END QUALITY OF SERVICE GUARANTEE IN A WIRELESS ENVIRONMENT
11197RO	US	09/417,769	6,646,986 Granted	14-Oct-99	11-Nov-03 SCHEDULING OF VARIABLE SIZED PACKET DATA UNDER TRANSFER RATE CONTROL
	US	09/472,627	6,625,258 Granted	27-Dec-99	23-Sec-03 SYSTEM AND METHOD FOR PROVIDING UNIFIED COMMUNICATION SERVICES SUPPORT

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	Cacasta Cacasta	Oleovices	Name:		
11214RN	US	09/466,619	6,853,713 Granted	17-Dec-99	8-Feb-OS CLIENT-SERVER NETWORK FOR MANAGING INTERNET PROTOCOL VOICE PACKETS
11216RR	US	09/514,932	6,801,495 Granted	28-Feb-00	5-Oct-04 HIGH CAPACITY ROBUST MODEM FOR MULTIPLE CLASSES OF SERVICE
11222RO	US	09/453,282	6,741,572 Granted	3-Dec-99	25-May-04 ARCHITECTURES FOR COMMUNICATION NETWORKS
11259RO	US	09/540,756	8,028,227 Granted	31-Mar-00	27-Seg-11 METHOD, APPARATUS, PROCESSOR-READABLE MEDIA AND SIGNALS FOR ACQUIRING AND PRESENTING ACQUIRED MULTIMEDIA CONTENT
11262RR	US	09/420,295	6,519,452 Granted	18-Oct-99	11-Feb-03 METHOD AND SYSTEM FOR OPTIMIZING WIRELESS COMMUNICATION SYSTEM PERFORMANCE
11296ID	US	09/587,036	6,598,200 Granted	2-Jun-00	22-Jul-03 METHOD AND APPARATUS FOR FREQUENCY DOMAIN DATA FRAME TRANSMISSION
11310BA	US	09/414,762	6,987,756 Granted	7-Oct-99	17-Jan-86 MULTI-MODE ENDPOINT IN A COMMUNICATION NETWORK SYSTEM AND METHODS THEREOF
11310BA	US	11/301,746	7,986,684 Granted	13-Dec-05	26-Jul-11 MULTI-MODE ENDPOINT IN A COMMUNICATION NETWORK SYSTEM AND METHODS THEREOF
11310BA	US	13/162,496	8,315,251 Granted	16-Jun-11	20-Nov-12 MULTI-MODE ENDPOINT IN A COMMUNICATION NETWORK SYSTEM AND METHODS THEREOF
11310BA	US	13/665,072	8,717,950 Granted	31-Oct-12	6-May-14 MULTI-MODE ENDPOINT IN A COMMUNICATION NETWORK SYSTEM AND METHODS THEREOF
11319RR	US	09/595,715	6,937,701 Granted	16-Jun-00	30-Aug-OS TELECOMMUNICATIONS NETWORK HAVING A SWITCH EQUIPPED WITH AN IVR PROVISIONING /MONITORING SYSTEM
11320ID	US	09/474,543	6,424,757 Granted	29-Dec-99	23-Jul-02 OPTICAL SWITCH ALIGNMENT APPARATUS AND METHOD
11322ID	US	09/474,544	6,625,340 Granted	29-Dec-99	23-Sep-03 OPTICAL SWITCH ATTENUATOR
11346BA	US	09/422,646	6,556,544 Granted	22-Oct-99	29-Apr-03 METHOD AND SYSTEM FOR PROVISIONING NETWORK RESOURCES FOR DYNAMIC MULTICAST GROUPS
11357RR	US	09/436,563	6,778,653 Granted	9-Nov-99	17-Aug-04 STORING INFORMATION ABOUT A TELEPHONY SESSION
11367FR	US	09/869,679	6,947,428 Granted	14-Jun-00	20-Sep-05 DISTRIBUTED LABEL SWITCHING ROUTER
11368BA	US	09/422,106	6,785,245 Granted	20-Oct-99	31-Aug-04 METHOD AND APPARATUS FOR CONTROLLING FANOUT OF A MULTICAST TREE
11390RO	US	09/469,623	6,857,014 Granted	22-Dec-99	15-Feb-05 METHOD AND SYSTEM FOR DESIGNING A NETWORK
11413FR	US	10/148,420	7,660,305 Granted	25-Oct-00	9-Feb-10 METHOD OF AND DEVICE FOR TRANSMITTING DATA PACKETS ON A NETWORK
11417ID	US	09/542,007	7,020,074 Granted	3-Apr-00	28-Mar-06 SYNCHRONIZATION METHOD AND APPARATUS FOR FREQUENCY DIVISION MULTIPLEXED TELECOMMUNICATION SYSTEMS
11419RO	US	09/749,455	6,940,835 Granted	28-Dec-00	6-Sep-05 APPLICATION-LEVEL MOBILITY SUPPORT IN COMMUNICATIONS NETWORK
11428ID	US	09/688,289	7,373,325 Granted	13-Oct-00	13-May-08 AUTOMATED TRADING FOR E-MARKETS
11432RR	US	09/459,044	6,771,641 Granted	10-Dec-99	3-Aug-04 DTMF DIGIT COLLECTION AND TRANSPORTATION FOR A PACKET NETWORK
11437RR	US	09/546,092	6,771,639 Granted	10-Apr-00	3-Aug-04 PROVIDING ANNOUNCEMENT INFORMATION REQUESTS TO ESTABLISH INTERACTIVE CALL SESSIONS
11440RR	US	09/595,937	6,853,630 Granted	16-Jun-00	8-Feb-05 METHOD AND APPARATUS FOR MERGING ACCOUNTING RECORDS TO MINIMIZE OVERHEAD
11470BA	US	09/577,292	7,260,060 Granted	23-May-00	21-Aug-07 CALL ADMISSION CONTROL
11499TC	US	09/645,186	7,283,477 Granted	24-Aug-00	16-Oct-07 ALLOCATING NETWORK RESOURCES
11546ID	US	09/473,726	7,933,279 Granted	28-Dec-99	26-Apr-11 VOICE OVER PACKET NETWORK ARRANGEMENT AND METHOD
11556ID	US	09/539,123	6,731,639 Granted	30-Mar-00	4-May-04 MULTI PROTOCOL LABEL SWITCHING FOR MULTIPLE ACCESS SEGMENTS
11559ST	US	09/707,987	7,065,186 Granted	8-Nov-00	20-Jun-06 TELEPHONE BASED ACCESS TO INSTANT MESSAGING
11561RO	US	09/735,542	7,570,587 Granted	13-Dec-00	4-Aug-69 RESOURCE ALLOCATION FOR MULTI-SERVICE GATEWAYS
11592RO	US	09/702,760	6,839,767 Granted	1-Nov-00	4-Jan-05 ADMISSION CONTROL FOR AGGREGATE DATA FLOWS BASED ON A THRESHOLD ADJUSTED ACCORDING TO THE FREQUENCY OF TRAFFIC CONGESTION NOTIFICATION
11594ST	US	09/672,814	6,873,951 Granted	29-Sep-00	29-Mar-05 SPEECH RECOGNITION SYSTEM AND METHOD PERMITTING USER CUSTOMIZATION
11605ID	US	09/471,439	6,374,013 Granted	23-Dec-99	16-Apr-02 OPTICAL ARRAYED WAVEGUIDE GRATING DEVICES
11619ID	US	09/540,642	6,870,836 Granted	31-Mar-00	22-Mar-05 SYSTEM AND METHOD FOR TRANSFER OF IP DATA IN AN OPTICAL COMMUNICATION NETWORKS
11630BA	US	09/616,343	6,795,430 Granted	14-Jul-00	21-Sep-04 SERVICE-RELATED SIGNALING BETWEEN VOICE OVER INTERNET PROTOCOL SERVERS
11682RN	US	09/723,587	6,968,051 Granted	28-Nov-00	22-Nov-05 PROGRAMMABLE FEATURE QUEUES
11702ST	US	09/609,295	6,650,746 Granted	30-Jun-00	18-Nov-83 JURGENCY OF CALL INDICATION TO CALLED PARTY THROUGH DISTINCTIVE NOTIFICATION
11711BA	US	09/557,451	7,024,475 Granted	24-Apr-00	4-Apr-06 PERFORMANCE MODELING OF A COMMUNICATIONS SYSTEM
11714RO	US	09/527,584	7,296,087 Granted	17-Mar-00	13-Nov-07 DYNAMIC ALLOCATION OF SHARED NETWORK RESOURCES BETWEEN CONNECTION-ORIENTED AND CONNECTIONLESS TRAFFIC
11730ID	US	09/473,723	6,618,383 Granted	28-Dec-99	9-Sep-03 SERIAL INTERFACE FOR A BROADBAND COMMUNICATIONS NETWORK
11790ID	US	09/520,853	7,743,149 Granted	7-Mar-00	22-Jun-10 JAVA ENHANCED SIP
11794RO	US	09/563,864	7,190,896 Granted	4-May-00	13-Mar-07/SUPERVISORY CONTROL PLANE OVER WAVELENGTH ROUTED NETWORKS
11795RR	US	10/927,643	7,433,954 Granted	26-Aug-04	7-Oct-08 PROVIDING TELEPHONY SERVICES IN A COMMUNICATION'S NETWORK
11808ID	US	09/724,454	6,519,383 Granted	28-Nov-00	11-Feb-03 PHOTONIC SWITCH STATUS TESTER
11827ID	US	09/553,135	6,580,857 Granted	19-Apr-00	17-Jun-03 APPARATUS FOR RESHAPING OPTICAL PULSES
11831SS	US	09/753,341	6,799,198 Granted	29-Dec-00	28-Sep-04 METHOD AND APPARATUS FOR PROVIDING USER SPECIFIC WEB-BSED HELP IN A DISTRIBUTED SYSTEM ENVIRONMENT
11831SS	US	10/932,373	7,313,592 Granted	9-Aug-04	25-Dec-07 METHOD AND APPARATUS FOR PROVIDING USER SPECIFIC WEB-BASE HELP IN A DISTRIBUTED SYSTEM ENVIRONMENT
11833RO	US	09/636,701	6,914,912 Granted	11-Aug-00	5.Jul-05 ROUTE SELECTION FOR ALTERNATE PATHS IN CONNECTION-ORIENTED NETWORKS
11835ID	US	09/750,871	6,594,413 Granted	28-Dec-00	15.Jul-03 OPTICAL SWITCHING DEVICE
11837RN	US	09/567,512	6,694,472 Granted	9-May-00	17-Feb-04 ERROR CORRECTION FOR FRAMES CARRIED OVER MULTIPLE NETWORKS
11869SC	US	09/517,903	7,110,391 Granted	3-Mar-00	19-Sep-06 TRANSPORTING TELEPHONY SIGNALING OVER A DATA NETWORK
11876RO	US	09/614,601	6,791,985 Granted	12-Jul-00	14-Sep-04 ATM TRANSPORT OVER MULTI-PROTOCOL LABEL SWITCHING
11887RR	US	09/629,787	6,853,842 Granted	31-Jul-00	8-Feb-05 SYSTEM AND METHOD FOR USING MOBILE STATION SIGNAL STRENGTH MEASUREMENTS TO COLLECT RADIO FREQUENCY ISOLATION DATA IN A CELLULAR NETWORK

SPACE NAME OF THE PERSON	KINIIIII			Sap filed fore	Appressed Sare	Ser Ge
	CHORRE	Skoos	Memors			
	No.					
11893RO	US	09/739,066	7,337,231 Granted	18-Dec-00	26-Feb-08	PROVIDING MEDIA ON DEMAND
11897RO	US	09/696,957	6,751,711 Granted	27-Oct-00	15-Jun-04	METHODS AND SYSTEMS FOR PROCESS ROLLBACK IN A SHARED MEMORYPARALLEL PROCESSORCOMPUTING ENVIRONMENT
11899RO	US	09/571,160	6,917,588 Granted	16-May-00	12-Jul-05	APPARATUS AND METHOD FOR CLASSIFYING DATA PACKET FLOWS
11918RN	US	09/567,630	6,731,640 Granted	9-May-00	4-May-04	FRAME SYNCHRONIZATION OVER MULTIPLE NETWORKS
11925DM	US	09/589,326	6,870,848 Granted	7-Jun-00		METHOD AND APPARATUS FOR CALL PROCESSING
11925DM	US	10/980,095	8,355,393 Granted	3-Nov-04	15-Jan-13	METHOD AND APPARATUS TO PROCESS A CALL REQUEST BY ESTABLISHING CALLS AMONG DEVICES
11925DM	US	13/740,759	#EMPTY Filed	14-Jan-13		METHOD TO PROCESS A CALL REQUEST
11927ID	US	09/545,545	6,574,384 Granted	7-Apr-00	3-Jun-03	TESTING OPERATION OF A PHOTONIC SWITCH
11930RO	US	09/584,363	7.106.966 Granted	1-Jun-00		INTEGRATED PHOTONIC SWITCH
11944RR	US	09/644,400	6,807,173 Granted	23-Aug-00	19-Oct-04	METHOD AND SYSTEM FOR IMPROVING BANDWIDTH AVAILABILITY IN A DATA COMMUNICATION NETWORK BY TOKENIZING MESSAGES
11947RO	US	09/742,419	7,079,640 Granted	22-Dec-00	18-Jul-06	METHOD AND APPARATUS FOR IMPLEMENTING AN EXTENSIBLE RANGE OF COMMUNICATIONS SERVICES IN TELEPHONE NETWORKS
11959ID	US	09/645,661	6,829,717 Granted	24-Aug-00	7-Dec-04	METHOD AND APPARATUS FOR GENERATING TIMING INFORMATION
11965RO	US	09/580,495	7,542,675 Granted	30-May-00		OPTICAL SWITCH WITH POWER EQUALIZATION
11965RO	US	12/476,693	7,995,919 Granted	2-Jun-09		OPTICAL SWITCH WITH POWER EQUALIZATION
11965RO	US	13/205,115	#EMPTY Filed	8-Aug-11		OPTICAL SWITCH WITH POWER EQUALIZATION
11966RO	US	09/859,544	6,871,021 Granted	18-May-01	22-Mar-05	OPTICAL SWITCH WITH CONNECTION VERIFICATION
11992RO	US	09/750,015	6,956,828 Granted	29-Dec-00		APPARATUS AND METHOD FOR PACKET-BASED MEDIA COMMUNICATIONS
11992RO	US	11/113,050	7,983,200 Granted	12/29/2000		Apparatus and method for packet-based media communications
11998RO	US	09/617,232	6,842,463 Granted	14-Jul-00	- ' '	AUTOMATED AND ADAPTIVE MANAGEMENT OF BANDWIDTH CAPACITY IN TELECOMMUNICATIONS NETWORKS
12003RR	US	09/640,009	6,309,117 Granted	17-Aug-00		SYSTEM AND METHOD FOR ADJUSTMENT OF COLOR PRESENTATION IN NETWORKED MEDIA
12007RO	US	09/537,721	6,323,733 Granted	30-Mar-00		HIGH EFFICIENCY DUAL SUPPLY POWER AMPLIFIER
12010SS	US	09/522.325	7,890,117 Granted	9-Mar-00		AUTOMATIC REMOTE COMMUNICATION USING NETWORK TELEPHONY
12010SS	US	13/007,576	8,265,653 Granted	14-Jan-11		AUTOMATIC REMOTE COMMUNICATION USING NETWORK TELEPHONY
12010SS	US	13/566,156	8,478,296 Granted	3-Aug-12		AUTOMATIC REMOTE COMMUNICATION USING NETWORK TELEPHONY
12010SS	US	13/929,508	8,886,159 Granted	27-Jun-13		AUTOMATIC REMOTE COMMUNICATION USING NETWORK TELEPHONY
12014ID	US	09/585,669	7,653,013 Granted	1-Jun-00		CONFERENCING SYSTEMS WITH ENHANCED CAPABILITIES
12022RN	US	09/598,867	6,799,210 Granted	21-Jun-00		DYNAMIC ASSOCIATION OF ENDPOINTS TO MEDIA GATEWAY CONTROLLERS
12024BA	US	09/679,461	7,007,151 Granted	4-Oct-00		SYSTEM, DEVICE. AND METHOD FOR CONTROLLING ACCESS TO A MEMORY
12027SS	US	09/572,384	6,920,425 Granted	16-May-00		VISUAL INTERACTIVE RESPONSE SYSTEM AND METHOD FOR TRANSLATED FROM INTERACTIVE VOICE RESPONSE FOR TELEPHONE UTILITY
12035RO	US	09/507,080	6,738,354 Granted	18-Feb-00		LABEL SELECTION FOR END-TO-END LABEL-SWITCHED TRAFFIC THROUGH A COMMUNICATION'S NETWORK
12035RO	US	10/806,083	7,319,672 Granted	22-Mar-04	,	LABEL SELECTION FOR END-TO-END LABEL-SWITCHED TRAFFIC THROUGH A COMMUNICATIONS NETWORK
12038ID	US	09/502,699	7,142,503 Granted	11-Feb-00		COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING METHODOLOGYPROVIDING A VIRTUAL NEIGHBORHOOD NETWORK
12053ID	US	09/603,080	6,459,533 Granted	26-Jun-00		TUNEABLE OPTICAL FILTERS
12054DM	US	09/578,627	7,463,619 Granted	25-May-00		LAUNCHING A WEB BROWSER IN RESPONSE TO A MESSAGE RELATING TO COMMUNICATIONS SESSIONS
12063ID	US	09/512,910	7,142,863 Granted	25-Feb-00		METHOD OF DEPLOYING A FIXED WIRELESS ACCESS COMMUNICATIONS NETWORK SUCH THAT A SPECIFIED LEVEL OF LINK PERFORMANCE IS MAINTAINED
12065RN	US	09/637,744	6,724,880 Granted	11-Aug-00		METHOD AND APPARATUS FOR SPARING COMMUNICATIONS CIRCUITS
12070RO	US	09/740,932	6,996,102 Granted	21-Dec-00		METHOD AND APPARATUS FOR ROUTING DATA TRAFFIC ACROSS A MULTICAST-CAPABLE FABRIC
12078BA	US	09/747,239	6,725,315 Granted	22-Dec-00		SYSTEM AND METHOD TO EFFICIENTLY MOVE DATA FROM ONE DATA BUS TO ANOTHER DATA BUS IN A NETWORK SWITCH
12079BA	US	09/746,999	6,701,478 Granted	22-Dec-00		SYSTEM AND METHOD TO GENERATE A CRC (CYCLIC REDUNDANCY CHECK) VALUE USING A PLURALITY OF CRC GENERATORS OPERATING IN PARALLEL
12075BA 12085BA	US	09/607,007	8,230,010 Granted	29-Jun-00		SYSTEM, DEVICE AND METHOD FOR CONTROLLING ACCESS IN A MULTICAST COMMUNICATION NETWORK
12085BA	US	09/697,221	6,819,750 Granted	26-Oct-00		APPARATUS AND METHOD OF ESTABLISHING A FACSIMILE TRANSMISSION ACROSS A PACKET BASED NETWORK
12090DA	US	09/750,868	6,845,400 Granted	28-Dec-00		STORING SUBSCRIBER LOCATION INDICATION AT DNS, TO ENABLE LOCATION SPECIFIC PROVISION OF INTERNET CONTENT
12106RR	US	09/812,975	6,917,621 Granted	20-Mar-01		ENHANCED EMULATION SYSTEM ON A COMMUNICATION NETWORK
12144RO	US	09/603,354	6,920,108 Granted	26-Jun-00		METHOD AND APPARATUS FOR COLLISION AVOIDANCE IN BUFFERLESS NETWORKS
12144RO	US	09/638,580	6,735,621 Granted	15-Aug-00		METHOD AND APPARATUS FOR MESSAGING BETWEEN DISPARATE NETWORKS
12170ID	US	09/606,053	7,050,861 Granted	28-Jun-00		CONTROLLING A DESTINATION TERMINAL FROM AN ORIGINATING TERMINAL
12170ID 12172RO	US	09/625,175	6,396,632 Granted	25-Jul-00	,	TUNABLE OPTICAL FILTER AND OPTICAL MODULATOR
12172RO 12174RR	US	09/752,838	6,581,075 Granted	28-Dec-00		SYSTEM AND METHOD FOR DATABASE SYNCHRONIZATION
12174RR 12178RO	US	09/624,029	6,380,828 Granted	24-Jul-00		SURFACE WAVE DEVICES WITH STATIC ELECTRIC HELD
12178RU 12183ID	US	09/545,547	6,493,479 Granted	7-Apr-00		CROSSPOINT SWITCH PROTECTION USING ADDITIONAL SWITCHING ELEMENTS TO PROVIDE ALTERNATE PATHS
12186RG	US	09/604,770	6,495,479 Granted	7-Apr-00 28-Jun-00		MCTHODS AND SYSTEMS FOR OPTIMIZING DATA TRASMISSION IN NETWORKS
12188BA	US	09/724,488	6,914,881 Granted	28-Nov-00		PRIORITIZED CONTINUOUS-DEFICIT ROUND ROBIN SCHEDULING
12188BA 12199ID	US	09/539,124	6,366,395 Granted	30-Mar-00		OPTICAL AMPLIFIER GAIN CONTROL
	US	09/539,124		30-Mar-00		OPTICAL AMPLIFIER PUMP CONTROL
12200ID	loa	120,550,120	6,501,595 Granted	30-19141-00	31-060-02	OF THE PARTIES OF THE

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12226HU	US	09/574,011	7,024,472 Granted	19-May-00	4-Apr-06	SCALEABLE PROCESSING OF NETWORK ACCOUNTING DATA
12227RN	US	09/685,279	6,522,735 Granted	10-Oct-00	18-Feb-03	NETWORK SELECTION SUPPORT IN A COMMUNICATIONS SERVICE BIDDING EXCHANGE
12230RN	US	09/794,317	8,396,950 Granted	27-Feb-01	12-Mar-13	METHOD AND APPARATUS FOR THE FAST DETECTION OF CONNECTIVITYLOSS BETWEEN DEVICES IN A NETWORK
12244SS	US	09/982,677	6,928,463 Granted	18-Oct-01	9-Aug-05	BROADBAND CONTENT DELIVERY VIA PERSONAL CONTENT TUNNEL
12245ID	US	09/545,546	6,628,952 Granted	7-Apr-00	30-Sep-03	METHOD OF INCREASING CAPACITY IN A FIXED WIRELESS ACCESS NETWORK IN WHICH SUBSCRIBERS COMMUNICATE WITH BASE STATIONS VIA DIRECTIONAL ANTENNAS
12247ID	US	09/558,573	6,795,394 Granted	26-Apr-00	21-Sep-04	DATA NETWORK HAVING ENHANCED AVAILABILITY OF EXTRA TRAFFIC
12250ID	US	09/653,984	6,381,388 Granted	1-Sep-00	30-Apr-02	CHROMATIC DISPERSION COMPENSATION
12251RR	US	11/031,715	7,649,847 Granted	7-Jan-05	19-Jan-10	ARCHITECTURES FOR EVOLVING TRADITIONAL SERVICE PROVIDER NETWORKS AND MEHTODS OF OPTIMIZATION THEREFOR
12252RO	US	10/246,408	7,020,791 Granted	19-Sep-02	28-Mar-06	CLOCK RECOVERY USING A DOUBLE-EXPONENTIAL SMOOTHING PROCESS
12260ID	US	09/629,785	6,978,090 Granted	31-Jul-00	20-Dec-05	OPTICAL NETWORK ARCHITECTURE
12262SS	US	09/527,060	6,769,025 Granted	16-Mar-00	27-Jul-04	FLEXIBLE EXTERNAL CONTROL OF UNSOLICITED WEB PAGES SENT TO A USER ACCESSING THE INTERNET
12276BA	US	09/660,688	6,963,573 Granted	13-Sep-00	8-Nov-05	SYSTEM, DEVICE, AND METHOD FOR RECEIVER ACCESS CONTROL INFORMATION IN A MULTICAST COMMUNICATION SYSTEM
12276BA	US	11/205,577	7,573,881 Granted	17-Aug-05	11-Aug-09	SYSTEM, DEVICE, AND METHOD FOR RECEIVER ACCESS CONTROL INFORMATION IN A MULTICAST COMMUNICATION SYSTEM
12277BA	US	09/660,143	#EMPTY Filed	13-Sep-00 #EMPT	γ	SYSTEM, DEVICE, AND METHOD FOR DISTRIBUTING ACCESS CONTROL INFORMATION IN A COMMUNICATION SYSTEM
12278BA	US	09/661,273	8,370,507 Granted	13-Sep-00	5-Feb-13	SYSTEM, DEVICE, AND METHOD FOR RECEIVER ACCESS CONTROL IN AN INTERNET TELEVISION SYSTEM
12278BA	US	13/727,800	8,789,087 Granted	27-Dec-12	22-Jul-14	SYSTEM, DEVICE, AND METHOD FOR RECEIVER ACCESS CONTROL IN AN INTERNET TELEVISION SYSTEM
12279RO	US	09/636,594	6,445,591 Granted	10-Aug-00	3-Sep-02	MULTILAYER CIRCUIT BOARD
12283RO	US	09/685,090	7,054,557 Granted	11-Oct-00	30-May-06	TECHNIQUE FOR ROUTING DATA WITHIN AN OPTICAL NETWORK
12285RR	US	09/634,101	6,765,912 Granted	8-Aug-00	20-Jul-04	NETWORK RESOURCE USAGE IN CALL SESSIONS
12286RR	US	09/697,822	7,283,521 Granted	26-Oct-00	16-Oct-07	SYSTEM AND METHOD FOR REPORTING COMMUNICATION RELATED INFORMATION IN A PACKET MODE COMMUNICATION
12293RG	US	09/630,942	6,771,672 Granted	3-Aug-00	3-Aug-04	SIGNALING BIT SUPPRESSION SYSTEM
12312RO	US	09/635,898	6,788,697 Granted	11-Aug-00	7-Sep-04	IMPROVED BUFFER MANAGEMENT SCHEME EMPLOYING DYNAMIC THRESHOLDS
12317RO	US	09/636,595	6,487,083 Granted	10-Aug-00	26-Nov-02	MULTILAYER CIRCUIT BOARD
12341SS	US	09/566,603	6,963,563 Granted	8-May-00	8-Nov-05	METHOD AND APPARATUS FOR TRANSMITTING CELLS ACROSS A SWITCH IN UNICAST AND MULTICAST MODES
12343SS	US	09/566,602	6,754,216 Granted	8-May-00	22-Jun-04	METHOD AND APPARATUS FOR DETECTING CONGESTION AND CONTROLLING THE TRANSMISSION OF CELLS ACROSS A DATA PACKET SWITCH
12345SS	US	09/566,604	6,865,155 Granted	8-May-00	8-Mar-05	METHOD AND APPARATUS FOR TRANSMITTING DATA THROUGH A SWITCH FABRIC ACCORDING TO DETECTED CONGESTION
12354RO	US	10/240,212	7,245,612 Granted	30-Sep-02	17-Jul-07	INTERNET CALL WAITING WITH VOICEMAIL SYSTEM THAT PROVIDES MONITORING DURING RECORDING
12376RO	US	09/624,239	7,107,496 Granted	24-Jul-00	12-Sep-06	METHOD, APPARATUS, COMPUTER-READABLE MEDIA AND USER INTERFACE FOR ANNUNCIATING PROBLEMS IN A SYSTEM
12384RO	US	09/666,299	6,696,917 Granted	21-Sep-00	24-Feb-04	FOLDED CLOS ARCHITECTURE SWITCHING
12385RO	US	09/741,257	6,538,525 Granted	19-Dec-00	25-Mar-03	VOLTAGE BIASED SECTION OF NON-LINEAR TRANSMISSION LINE
12389RR	US	09/745,812	6,640,284 Granted	21-Dec-00	28-Oct-03	SYSTEM AND METHOD OF DYNAMIC ONLINE SESSION CACHING
12401ID	US	09/735,035	6,792,560 Granted	12-Dec-00	14-Sep-04	RELIABLE HARDWARE SUPPORT FOR THE USE OF FORMAL LANGUAGES IN HIGH ASSURANCE SYSTEMS
12406RR	US	09/745,746	6,845,389 Granted	21-Dec-00	18-Jan-05	SYSTEM AND METHOD FOR BROADBAND MULTI-USER COMMUNICATION SESSIONS
12414RO	US	09/628,332	6,854,091 Granted	28-Jul-00	8-Feb-05	METHOD OF DISPLAYING NODES AND LINKS
12414RO	US	11/024,910	7,855,978 Granted	30-Dec-04	21-Dec-10	METHOD OF DISPLAYING NODES AND LINKS
12428BA	US	09/591,756	6,751,220 Granted	12-Jun-00	15-Jun-04	APPARATUS AND METHOD OF MANAGING VIRTUAL PRIVATE NETWORK ROUTING DATA
12437HU	US	09/686,186	6,842,788 Granted	11-Oct-00	11-Jan-05	COMPUTING AND USING RESOURCE COLORS FOR COMPOSITE LINKS
12453RO	US	09/833,837	6,493,328 Granted	12-Apr-01	10-Dec-02	ACTIVE SET MANAGEMENT IN A CELLULAR WIRELESS NETWORK THAT SUPPORTS HIGH DATA RATE FORWARD LINK TRANSMISSIONS
12459AB	US	09/672,821	7,533,174 Granted	29-Sep-00	12-May-09	MEDIA GATEWAY CONNECTION INFORMATION RECOVERY
12469ID	US	09/580,865	6,915,079 Granted	30-May-00	5-Jul-05	NON-RETURN OPTICAL STAR COUPLER
12470RO	US	09/717,292	6,975,592 Granted	22-Nov-00	13-Dec-05	CONFIGURABLE RULE-ENGINE FOR LAYER-7 AND TRAFFIC CHARACTERISTIC-BASED CLASSIFICATION
12476ID	US	09/723,018	6,526,208 Granted	27-Nov-00	25-Feb-03	DISPERSION MANAGED FIBER OPTICAL CABLE AND SYSTEM
12477ID	US	09/584,330	7,218,854 Granted	30-May-00	15-May-07	HIGH CAPACITY PASSIVE OPTICAL NETWORK
12481RO	US	09/741,041	6,819,678 Granted	21-Dec-00	16-Nov-04	INTERWORKING OF DISSIMILAR PACKET NETWORKS FOR TELEPHONY COMMUNICATIONS
12481RO	US	10/963,262	7,675,934 Granted	12-Oct-04	9-Mar-10	INTERWORKING OF DISSIMILAR PACKET NETWORKS FOR TELEPHONY COMMUNICATIONS
12483RO	US	09/664,373	6,546,235 Granted	18-Sep-00	8-Apr-03	SYSTEM FOR CANCELLING DISTORTION IN AN ELECTRONIC CIRCUIT
12494RO	US	09/672,979	6,741,556 Granted	29-Sep-00	25-May-04	METHOD FOR CLASSIFYING PERSISTENT TCP FLOWS
12514RX	US	09/714,082	6,976,071 Granted	16-Nov-00	13-Dec-05	DETECTING IF A SECURE LINK IS ALIVE
12518RN	US	10/275,392	7,826,384 Granted	4-Nov-02	2-Nov-10	METHOD AND APPARATUS FOR NEGOTIATING BEARER CONTROL PARAMETERS USING PROPERTYSETS
12520BA	US	09/692,949	7,313,608 Granted	20-Oct-00	25-Dec-07	METHOD AND APPARATUS FOR USING DOCUMENTS WRITTEN IN A MARKUP LANGUAGE TO ACCESS AND CONFIGURE NETWORK ELEMENTS
12532ID	US	09/876,316	6,643,429 Granted	7-Jun-01	4-Nov-03	DISPERSION COMPENSATION APPARATUS AND METHOD UTILISING SAMPLED BRAGG GRATINGS
12534RN	US	09/666,583	6,976,094 Granted	21-Sep-00	13-Dec-05	AUTOMATED WEB BROWSER SYNCHRONIZATION BY USING SESSION INITIATION PROTOCOL DURING A REAL-TIME SESSION
12540ID	US	09/862,861	7,269,185 Granted	22-May-01	11-Sep-07	MANAGEMENT AND CONTROL OF MULTI-LAYER NETWORKS
12541BA	US	09/859,702	7,181,532 Granted	17-May-01	20-Feb-07	SCALABLE POLICY SERVER

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12547SS	US	09/753,080	7,237,012 Granted	29-Dec-00	26-Jun-07 METHOD AND APPARATUS FOR CLASSIFYING JAVA REMOTE METHOD INVOCATION TRANSPORT TRAFFIC
12560ID	US	09/739,528	6,636,662 Granted	15-Dec-00	21-Oct-03 PLANAR WAVEGUIDE DISPERSION COMPENSATOR
12560ID	US	09/902,362	6,690,855 Granted	10-Jul-01	10-Feb-04 PLANAR WAVEGUIDE DISPERSION COMPENSATOR
12562RO	US	09/672,816	6,771,651 Granted	29-Sep-00	3-Aug-04 PROVIDING ACCESS TO A HIGH-CAPACITY PACKET NETWORK
12562RO	US	10/872,434	6,947,424 Granted	22-Jun-04	20-Sep-05 PROVIDING ACCESS TO A HIGH-CAPACITY PACKET NETWORK
12572RO	US	09/579,501	6,606,667 Granted	30-May-00	12-Aug-03 BALANCED NETWORKS
12589ST	US	09/588,699	6,785,325 Granted	7-Jun-00	31-Aug-04 DSL SPLITTER PROVIDING TEST ACCESS TO AN INTERCONNECTED SUBSCRIBER LOOP AND METHOD
12595ID	US	09/693,132	7,249,197 Granted	20-Oct-00	24-Jul-07 SYSTEM, APPARATUS AND METHOD FOR PERSONALISING WEB CONTENT
12599ID	US	09/750,903	7,363,371 Granted	28-Dec-00	22-Apr-08 TRAFFIC FLOW MANAGEMENT IN A COMMUNICATIONS NETWORK
12602RO	US	09/695,969	6,725,401 Granted	26-Oct-00	20-Apr-04 OPTIMIZED FAULT NOTIFICATION IN AN OVERLAY MESH NETWORK VIA NETWORK KNOWLEDGE CORRELATION
12608RX	US	09/728,418	6,862,267 Granted	28-Nov-00	1-Mar-OS DETERMINING NETWORK ADDRESSES AND PORTS USING TABLE FROM A DESCRIPTION FILE
12611ID	US	09/605,236	6,765,921 Granted	28-Jun-00	20-Jul-04 COMMUNICATIONS NETWORK
12620RN	US	09/696,125	6,826,270 Granted	25-Oct-00	30-Nov-04 CALLING NAME AND CUSTOMIZATION IN A TELECOMMUNICATIONS ENVIRONMENT
12622RO	US	09/726,029	6,832,051 Granted	30-Nov-00	14-Dec-04 DISPERSION MANAGED OPTICAL TRANSMISSION LINKS FOR WAVELENGTH DIVISION MULTIPLEXED SYSTEMS
12623RO	US	09/651,188	6,388,890 Granted	30-Aug-00	14-May-02 TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERCIRCUIT BOARD
12623RO	US	10/126,700	6,545,876 Granted	22-Apr-02	8-Agr-03 TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERCIRCUIT BOARD
12625RO	US	09/593,697	6,366,716 Granted	15-Jun-00	2-Apr-02 OPTICAL SWITCHING DEVICE
12633RO	US	09/735,471	6,888,848 Granted	14-Dec-00	3-May-05 COMPACT SEGMENTATION OF VARIABLE-SIZE-PACKETS STREAMS
12644ID	US	09/867,175	7,154,879 Granted	29-May-01	26-Dec-06 POINT TO MULTIPOINT NETWORK
12652RO	US	09/746,421	6,754,288 Granted	26-Dec-00	22-Jun-04 LINE RECEIVER WITH IMPROVED DYNAMIC RANGE
12653RO	US	09/671,140	6,882,799 Granted	28-Sep-00	19-Aor-05 MULTI-GRAINED NETWORK
12653RO	US	10/983,497	7.684.388 Granted	8-Nov-04	23-Mar-10 MULTI-GRAINED NETWORK
12657RR	US	09/748,076	6,763,233 Granted	22-Dec-00	13-Jul-04 TERMINAL ROAMING OPERATIONS BETWEEN INTERGENERATIONAL WIRELESS NETWORKS
12659RO	US	09/954,192	7,184,431 Granted	18-Sep-01	27-Feb-07 ROTATOR COMMUNICATION SWITCH HAVING REDUNDANT ELEMENTS
12667ID	US	09/640,701	7,007,098 Granted	17-Aug-00	28-Feb-06 METHODS OF CONTROLLING VIDEO SIGNALS IN A VIDEO CONFERENCE
12678HU	US	09/726,758	8,782,230 Granted	29-Nov-00	15-Jul-14 METHOD AND APPARATUS FOR USING A COMMAND DESIGN PATTERN TO ACCESS AND CONFIGURE NETWORK ELEMENTS
12683RO	US	09/660,196	6,399,898 Granted	12-Sep-00	4-Jun-02 TECHNIQUE FOR COUPLING SIGNALS BETWEEN CIRCUIT BOARDS
12689RO	US	10/014,805	6,823,104 Granted	14-Dec-01	23-Nov-04 CONTROLLING MESSAGING IN AN OPTICAL NETWORK
12690RO	US	09/735,537	7,120,356 Granted	14-Dec-00	10-Oct-06 CONNECTION VERIFICATION FOR OPTICAL SWITCHES
12691RO	US	09/648,767	7,043,160 Granted	28-Aug-00	9-May-06 METHOD. SYSTEM AND SIGNAL FOR CARRYING OVERHEAD INFORMATION IN A TRANSPORT NETWORK EMPLOYING PHOTONIC SWITCHING NODES
12693RX	US	09/736,210	7,246,171 Granted	15-Dec-00	17-Jul-07 SYSTEM AND METHOD FOR MANAGING DATA TRANSMISSIONS FROM A TFTP SERVER BYSPECIPYING A MAXIMUM BANDWIDTH
12694RR	US	09/711,056	7,136,631 Granted	9-Nov-00	14-Nov-06 APPARATUS AND METHOD TO PROVIDE ONE-CLICK LOGON SERVICE FOR WIRELESS DEVICES
12695RX	US	09/223,047	6,597,689 Granted	30-Dec-98	22-Jul-03 SVC SIGNALING SYSTEM AND METHOD
12695RX	US	10/435,316	7,295,566 Granted	9-May-03	13-Nov-07 SVC SIGNALING SYSTEM AND METHOD
	US				23-Mar-10 MULTI-DIMENSIONAL LATTICE NETWORK
12700RO	+	10/969,748	7,684,389 Granted	20-Oct-04	
12706ST	US	09/667,667	6,888,936 Granted	22-Sep-00	3-May-os Juser Controlled Location Sharing During a communication 2-Mar-04 Network Driven Cell Switching and Handoff with Load Balancing for Wireless Systems
12710RO	US	09/687,358	6,701,150 Granted	13-Oct-00	
12711RO	US	09/648,622	6,697,970 Granted	28-Aug-00	24-Feb-04 GENERIC FAULT MANAGEMENT METHOD AND SYSTEM
12713AB	US	09/738,983	6,839,344 Granted	19-Dec-00	4-Jan-65 TRANSPORT MECHANISM FOR ISDN BACKHAUL OVER IP
12723ID	US	09/852,995	7,162,474 Granted	10-May-01	9-Jan-07 RECIPIENT CONTROLLED CONTACT DIRECTORIES
12726RO	US	09/850,130	6,643,423 Granted	8-May-01	4-Nov-03 SYSTEM AND METHOD FOR BRIDGE AND ROLL IN A PHOTONIC SWITCH
12728RO	US	09/726,027	6,999,677 Granted	30-Nov-00	14-Feb-06 PROTECTION SWITCHING ARRANGEMENT FOR AN OPTICAL SWITCHING SYSTEM
12728RO	US	11/287,259	7,212,739 Granted	28-Nov-05	1-May-07 PROTECTION SWITCHING ARRANGEMENT FOR AN OPTICAL SWITCHING SYSTEM
12743MD	US	09/709,576	6,888,794 Granted	13-Nov-00	3-May-05 METHOD OF DATA RATE EXCHANGE FOR TRANSMISSIONS ACROSS A PACKET-BASED NETWORK
12748RO	US	10/659,320	7,545,804 Granted	11-Sep-03	9-Jun-09 HIGH THROUGHPUT ROTATOR SWITCH HAVING EXCESS TANDEM BUFFERS
12753RO	US	09/713,292	7,099,933 Granted	16-Nov-00	29-Aug-06/SYSTEM AND METHOD FOR REGULATING WEB SITE ACCESS
12757ID	US	09/708,381	6,819,878 Granted	8-Nov-00	16-Nov-04 PACKET-BASED OPTICAL COMMUNICATIONS NETWORKS
12759ID	US	09/693,100	6,782,200 Granted	20-Oct-00	24-Aug-94 PACKET-BASED OPTICAL COMMUNICATIONS NETWORKS
12771RO	US	09/749,435	6,621,384 Granted	28-Dec-00	TECHNOLOGY IMPLEMENTATION OF SUSPENDED STRIPLINE WITHIN MULTI-LAYER SUBSTRATEUSED TO VARY TIME DELAY AND TO MAXIMIZE THE REACH OF SIGNALS WITH 16 Sep-03 HIGH DATA RATES OR HIGH FREQUENCIES
	US		6,021,364 Granted		27-Aug-02 INSERTED COMPONENTS FOR VIA CONNECTION OF SIGNAL TRACKS TO ACHIEVE CONTINUOUS IMPEDANCE MATCHING IN MULTI-LAYER SUBSTRATE
12777RO	_	09/749,470	· · · · · · · · · · · · · · · · · · ·	28-Dec-00	2.7-Aug 42 Indexted Components from the Connection of Signal tracks to Achieve Continuous Impedance Mailthing in Molti-Later Substrate 3. Aug 44 SYSTEM AND DEVICE FOR MONITORING AND SIGNALING PERSONNEL PRESENCE
12805RN	US	09/752,143	6,771,173 Granted	29-Dec-00	3-AUGUA SYSTEM AND DEVICE FOR MONITORING AND SIGNALING PERSONNEL PRESENCE 25-Oct-05 DIFFERENTIATED SERVICES IN PACKET-SWITCHED NETWORKS
12839ID	+	09/888,889	6,958,978 Granted	25-Jun-01	
12845RO	US	09/750,174	6,973,035 Granted	29-Dec-00	6-Dec-05 METHOD AND SYSTEM FOR A ROUTING MECHANISM TO SUPPORT TWO-WAY RSVP RESERVATIONS

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12850RR	US	09/898,205	7,193,980 Granted	3-Jul-01	20-Mar-07 CONTINUATION SESSION ATTRIBUTE
12855RO	US	09/739,902	7,234,001 Granted	20-Dec-00	19-Jun-07 DORMANT BACKUP LINE FOR OSPF NETWORK PROTECTION
12862RN	US	09/730,505	6,590,493 Granted	5-Dec-00	8-Jul-03 SYSTEM, DEVICE AND METHOD FOR ISOLATING SIGNALING ENVIRONMENTS IN A POWER LINE COMMUNICATION SYSTEM
12864RO	US	09/742,139	6,826,147 Granted	19-Dec-00	30-Nov-04 METHOD AND APPARATUS FOR AGGREGATE FLOW CONTROL IN A DIFFERENTIATED SERVICES NETWORK
12866RO	US	09/708,662	6,940,979 Granted	9-Nov-00	6-Sep-05 MANAGEMENT OF CERTIFICATES FOR PUBLIC KEY INFRASTRUCTURE
12867RO	US	09/750,304	6,999,682 Granted	29-Dec-00	14-Feb-06 TECHNIQUE FOR OPTICALLY CONVERTING WAVELENGTHS IN A MULTI-WAVELENGTH SYSTEM
12896RO	US	09/739,977	6,459,593 Granted	20-Dec-00	1-Oct-02 ELECTRONIC CIRCUIT BOARD
12908AB	US	09/739,714	7,110,417 Granted	20-Dec-00	19-Sep-06 INSTANCE MEMORY HANDOFF IN MULTI-PROCESSOR SYSTEMS
12911RO	US	09/739,882	6,462,957 Granted	20-Dec-00	8-Oct-02 HIGH PERFORMANCE ORTHOGONAL INTERCONNECT ARCHITECTURE WITHOUT MIDPLANE
12915SS	US	09/753,229	7,039,190 Granted	28-Dec-00	2-May-06 WIRELESS LAN WEP INITIALIZATION VECTOR PARTITIONING SCHEME
12919RO	US	10/431,388	7,051,433 Granted	8-May-03	30-May-06 MULTILAYER CIRCUIT BOARD
12920QT	US	09/193,753	6,337,755 Granted	17-Nov-98	8-Jan-02 POLARIZATION INDEPENDENT ALL-OPTICAL REGERNERATORS
12933QT	US	09/250,879	6,385,217 Granted	16-Feb-99	7-May-02 COMPACT WAVELENGTH-INDEPENDENT WAVELENGTH-LOCKER FOR ABSOLUTE WAVELENGTH STABILITY OF A LASER DIODE
12942RR	US	09/732,259	6,944,175 Granted	7-Dec-00	13-Sep-05 METHOD AND APPARATUS FOR SCHEDUING FORWARD LINK DATA TRANSMISSIONS IN CDMA/HDR NETWORKS
12946RO	US	09/749,946	7,010,225 Granted	29-Dec-00	7-Mar-06 TECHNIQUE FOR INTERCHANGING WAVELENGTHS IN A MULTI-WAVELENGTH SYSTEM
12956FR	US	10/297,775	6,785,535 Granted	18-May-01	31-Aug-04 METHOD FOR MONITORING COMMUNICATIONS IN A CELLULAR RADIOCOMMUNICATION SYSTEM, AND NETWORK CORE THEREFOR
12962FR	US	10/182,360	7,379,430 Granted	1-Feb-01	27-May-08 DUAL BAND UNIDIRECTIONAL SCHEME IN A CELLULAR MOBILE RADIO TELECOMMUNICATIONS SYSTEM
12974RN	US	09/748,757	7,177,953 Granted	22-Dec-00	13-Feb-07 DEVICE AND METHOD FOR DATA STORAGE
12978RO	US	09/749,406	6,591,399 Granted	28-Dec-00	8-Jul-03 TECHNIQUE FOR FACILITATING CIRCUITRY DESIGN
12979RO	US	09/739,277	7,209,659 Granted	19-Dec-00	24-Agr-67 MODULAR HIGH CAPACITY NETWORK
12985ID	US	09/727,644	6,778,541 Granted	1-Dec-00	17-Aug-04 DYNAMIC DATA TUNNELLING
12988ID	US	09/708,383	6,795,544 Granted	8-Nov-00	21-Seq-04 METHOD FOR PUBLIC CONVERSATION INDICATION IN A TELEPHONY EXCHANGE
					SUSPENDED STRIPLINE STRUCTURES TO REDUCE SKIN EFFECT AND DIELECTRIC LOSS TO PROVIDE LOW LOSS TRANSMISSION OF SIGNALS WITH HIGH DATA RATES OR HIGH
12993RO	US	09/749,411	6,603,376 Granted	28-Dec-00	5-Aug-03 FREQUENCIES
12996QT	US	09/326,079	6,295,396 Granted	4-Jun-99	25-Sep-01 METHOD AND APPARATUS FOR HIGHER-ORDER CHROMATIC DISPERSION COMPENSATION
12997SS	US	09/731,420	6,766,165 Granted	5-Dec-00	20-Jul-04 METHOD AND SYSTEM FOR REMOTE AND LOCAL MOBILE NETWORK MANAGEMENT
13002RO	US	09/746,578	6,754,662 Granted	20-Dec-00	22-Jun-04 METHOD AND APPARATUS FOR FAST AND CONSISTENT PACKET CLASSIFICATION VIA EFFICIENT HASH-CACHING
13003RO	US	09/693,191	6,801,947 Granted	20-Oct-00	5-Oct-04 METHOD AND APPARATUS FOR BROADCASTING MEDIA OBJECTS WITH GUARANTEED QUALITY OFSERVICE
13003RO	US	10/939,023	7,047,307 Granted	10-Sep-04	16-May-06 METHOD AND APPARATUS FOR BROADCASING MEDIA OBJECTS WITH GUARANTEED QUALITY OFSERVICE
13008QT	US	09/517,151	6,721,512 Granted	2-Mar-00	13-Apr-04 FORMAT
13012ID	US	09/750,873	6,967,997 Granted	28-Dec-00	22-Nov-05 MULTI-CARRIER CONNECTION INITIALISATION AND SYMBOL TRANSMISSION
13014DE	US	09/724,322	6,850,758 Granted	28-Nov-00	1-Feb-05 METHOD AND SYSTEM FOR INTEGRATING FIXED TERMINALS IN A MOBILE TELECOMMUNICATION NETWORK
13021RO	US	10/420,733	6,972,647 Granted	23-Apr-03	6-Dec-05 EMBEDDED SHIELDED STRIPLINE (ESS) STRUCTURE USING AIR CHANNELS WITHIN THE ESS STRUCTURE
13021RO	US	10/420,734	6,949,991 Granted	23-Apr-03	27-Sep-05 EMBEDDED SHIELDED STRIPLINE (ESS) STRUCTURE USING AIR CHANNELS WITHIN THE ESS STRUCTURE
13029QT	US	09/518,448	6,731,877 Granted	3-Mar-00	4-May-04 HIGH CAPACITY ULTRA-LONG HAUL DISPERSION AND NONLINEARITY MANAGED LIGHTWAYE COMMUNICATION SYSTEMS
13031QT	US	09/272,112	6,384,978 Granted	19-Mar-99	7-May-02 TEMPERATURE-COMPENSATED OPTICAL FILTER ASSEMBLIES AND RELATED METHODS
13038RR	US	09/742,049	6,870,817 Granted	20-Dec-00	22-Mar-05 METHOD AND APPARATUS FOR MONITORING CALLS OVER A SESSION INITIATION PROTOCOL NETWORK
13058ID	US	09/716,594	6,804,196 Granted	20-Nov-00	12-0ct-04 DETERMINING TRAFFIC INFORMATION IN A COMMUNICATIONS NETWORK
13071BA	US	09/931,643	7,283,747 Granted	15-Aug-01	16-Oct-07 OPTICAL SWITCH ROUTER
13091ID	US	09/707,015	7,613,824 Granted	6-Nov-00	3-Nov-09 METHOD OF USING A WEB-BROWSER TO PASS INFORMATION FROM A FIRST WEB-ENTITY TO ONE OF A PLURALITY OF SECOND WEB-ENTITIES
13105CK	US	10/036,125	6,819,466 Granted	26-Dec-01	16-Nov-04 ASYMMETRIC FABRY-PEROT MODULATORS WITH A MICROMECHANICAL PHASE COMPENSATING CAVITY
13138RO	US	09/746,423	6,885,696 Granted	26-Dec-00	26-Apr-05 NOTIFYING BIT ALLOCATION CHANGES IN A MULTICARRIER MODULATION COMMUNICATIONS SYSTEM
13152RN	US	09/691,347	7,571,238 Granted	18-Oct-00	4-Aug-09 AUTHORIZING COMMUNICATION SERVICES
13156ID	US	09/747,697	6,757,494 Granted	22-Dec-00	29-Jun-04 WAVELENGTH ROUTING IN A PHOTONIC NETWORK
13184CK	US	09/281,406	6,404,969 Granted	30-Mar-99	11-Jun-02 OPTICAL SWITCHING AND ATTENUATION SYSTEMS AND METHODS THEREFORE
13188CK	US	09/281,404	6,301,274 Granted	30-Mar-99	9-Oct-01 TUNALBE EXTERNAL CAVITY LASER
13191CK	US	10/357,637	6,788,408 Granted	4-Feb-03	7-Sep-04 WAVELENGTH MONITORING SYSTEM
13198CK	US	09/636,806	6,546,028 Granted	10-Aug-00	8-Apr-03 OPTICAL FIBER WAVELENGTH REFERENCE DEVICE
13204CK	US	10/827,715	6,996,144 Granted	20-Apr-04	7-Feb-06 WAVELENGTH STABILIZATION OF TUNABLE LASERS BY CURRENT MODULATION
13205CK	US	09/761,054	6,970,653 Granted	15-Jan-01	29-Now-05 FIBEROPTIC SYSTEM FOR COMMUNICATING BETWEEN A CENTRAL OFFICE AND A DOWNSTREAM STATION
13206ID	US	09/671,863	6,466,363 Granted	27-Sep-00	15-Oct-02 BROADBAND AMPLIFICATION WITH FIRST AND SECOND AMPLIFIERS HAVING DIFFERENT PUMP WAVELENGTH REQUIREMENTS
13208RN	US	09/802,195	6,937,563 Granted	8-Mar-01	30-Aug-03 HOMING AND CONTROLLING IP TELEPHONES
13215RO	US	09/708,782	7,092,727 Granted	8-Nov-00	15-Aug-06 APPARATUS AND METHOD FOR SUPPORTING DIFFERENTIATED PACKET DATA SERVICES WITHIN A WIRELESS NETWORK
13218SS	US	09/747,296	8,619,793 Granted	22-Dec-00	31-Dec-13 DYNAMIC ASSIGNMENT OF TRAFFIC CLASSES TO A PRIORITY QUEUE IN A PACKET FORWARDING DEVICE

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13229RR	US	09/757,904	7,152,103		10-Jan-01	19-Dec-06 LAWFUL COMMUNICATION INTERCEPTION - INTERCEPTING COMMUNICATION ASSOCIATED INFORMATION
13241AU	US	09/722,968	6,807,371		27-Nov-00	19-Oct-04 RECONFIGURABLE ADD-DROP MULTIPLEXER
13244RO	US	09/750,071	6,907,002		29-Dec-00	14-Jun-05 BURST SWITCHING IN A HIGH CAPACITY NETWORK
13245AB	US	09/745,202	6,958,980		20-Dec-00	25-Oct-05 ESTABLISHING CALL SESSIONS BETWEEN TERMINALS THROUGH PLURAL SWITCH SYSTEMS
13249RO	US	09/749,945	6,563,751		29-Dec-00	13-May-03 SYSTEM AND METHOD FOR TESTING TOM SRAMS
13250BA	US	09/740,706	7,079,770		19-Dec-00	18-Jul-06 System and apparatus for dropping and adding optical data streams in an optical communication network 25-Jan-05 Switch-Variable optical attenuator and switch arrays
13251CK	US	10/017,521	6,847,753		14-Dec-01	9-Jan-07 COMMUNICATIONS SYSTEM, APPARATUS AND METHOD THEREFOR
13264ID 13291RO	US	09/723,019	7,161,897 7,516,485		27-Nov-00 29-May-01	7-Acr-09 METHOD AND APPARATUS FOR SECURELY TRANSMITTING ENCRYPTED DATA THROUGH A FIREWALL AND FOR MONITORING USER TRAFFIC
13294ID	US	09/767,098	6,526,195		23-Way-01 22-Jan-01	25-Feb-03 PROTECTING OPTICAL SWITCHES
13295ID	US	09/751,060	7,103,003		29-Dec-00	5 Sep-06 NETWORK PLANNING TOOL
13301RO	US	09/750,766	7,787,447		28-Dec-00	31-Aug-10 VOICE OPTIMIZATION IN A NETWORK HAVING VOICE OVER THE INTERNET PROTOCOL COMMUNICATION DEVICES
13301RO	US	12/749,270	8,451,835		29-Mar-10	28-May-13 VOICE OF TIMILATION IN A NETWORK HAVING VOICE OVER INTERNET PROTOCOL COMMUNICATION DEVICES
13301RO	US	13/901,107		Filed	23-May-13	
13313ID	US	09/785,340	6,868,116		16-Feb-01	15-Mar-05 UNIVERSAL TELEPHONY TONES DETECTOR
13314RO	US	09/751,289	7,114,003		29-Dec-00	26-Sep-96 CONTENT NETWORKS
13317SS	US	09/742,683	8,112,545		19-Dec-00	7Feb-12 DISTRIBUTED NETWORK ADDRESS TRANSLATION CONTROL
13317SS	US	13/363,786	8,788,709		1-Feb-12	22-Jul-14 DISTRIBUTED NETWORK ADDRESS TRANSLATION CONTROL
13330RX	US	09/750,062	6,481,844		29-Dec-00	19-Nov-02 APPARATUS, METHOD AND MEDIUM FOR PROVIDING AN OPTICAL EFFECT
13335CK	US	09/750,204	6,934,033		28-Dec-00	23-Aug-05 SINGLE-ETALON, MULTI-POINT WAVELENGTH CALIBRATION REFERENCE
13336RO	US	09/704,291	6,985,959		1-Nov-00	10-Jan-66 CONSTRAINT ROUTE DISSEMINATION USING DISTRIBUTED ROUTE EXCHANGERS
13342XR	US	09/234,177	6,272,907		19-Jan-99	14-Aug-01 INTEGRATED SILICON PROFILOMETER AND AFM HEAD
13351XR	US	09/446,540	6,445,844		21-Dec-99	3-Sep-02 FLEXIBLE, MODULAR, COMPACT FIBER OPTIC SWITCH
13353XR	US	09/704,439	6,650,803		1-Nov-00	18-NOV-03 METHOD AND APPARATUS FOR OPTICAL TO ELECTRICAL TO OPTICAL CONVERSION IN AN OPTICAL CROSS-CONNECT SWITCH
13353XR	US	10/648,025	6,813,407		27-Aug-03	2-Nov-94 METHOD AND APPARATUS FOR BRIDGING OPTICAL SIGNALS IN AN OPTICAL NETWORK
13353XR	US	10/648,956	6,944,364		-	13-Sep-05 METHOD AND APPARATUS FOR REGENERATING OPTICAL SIGNALS IN AN ALL-OPTICAL CROSS-CONNECT SWITCH
13353XR	US	10/650,543	6,947,623		27-Aug-03 28-Aug-03	20-Sep-05 SIGNALS AND METHODS FOR INCREASING RELIABILITY IN OPTICAL NETWORK EQUIPMENT
13354XR	US	10/050,343	6,744,550		28-May-02	1-Jun-04 TWO-DIMENSIONAL MICRO-MIRROR ARRAY ENHANCEMENTS
13354XR	US	10/695,109	7,031,045		28-Oct-03	18-Agr-GoF TWO-DIMENSIONAL MICRO-MIRROR ARRAY ENHANCEMENTS
13357XR	US	09/704,444	6,597,826		1-Nov-00	22-Jul-03 OPTICAL CROSS-CONNECT SWITCHING SYSTEM WITH BRIDGING, TEST ACCESS AND REDUNDANCY
13371XR	US	10/221,867	6,961,506		14-Sep-02	1-Nov-05 VARIABLE ATTENUATION OF FREE-SPACE LIGHT BEAMS
13375XR	US	09/704,445	6,792,174		1-Nov-00	14-Sep-04 METHOD AND APPARATUS FOR SIGNALING BETWEEN AN OPTICAL CROSS-CONNECT SWITCH AND ATTACHED EQUIPMENT
13387XR	US	08/855,883	6,044,705		12-May-97	4-Agr-00 MICROMACHINED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSION BARS
13387XR	US	09/518,364	6,467,345		3-Mar-00	22-Oct-02 IMETHOD OF OPERATING MICROMACHINED MEMBERS COUPLED FOR RELATIVE ROTATION
13388XR	US	10/031,159	6,694,072		11-Jan-02	17-Feb-04 FLEXIBLE, MODULAR, COMPACT FIBER OPTIC SWITCH IMPROVEMENTS
13389XR	US	09/704,458	6,882,765		1-Nov-00	19-Apr-05 CONNECTION PROTECTION BETWEEN CLIENTS AND OPTICAL CROSS-CONNECT SWITCHES
13421RR	US	09/698,362	6,867,797		27-Oct-00	15-Mar-05 ANIMATING IMAGES DURING A CALL
13423RO	US	09/751,796	6,937,572		29-Dec-00	30-Aug-05 CALL TRACE ON A PACKET SWITCHED NETWORK
13426RO	US	09/863,319	6,886,161		24-May-01	26-Apg-05 METHOD AND DATA STRUCTURE FOR COMPRESSING FILE-REFERENCE INFORMATION
13456HU	US	09/689,101	6,590,961		12-Oct-00	8-Jul-03 CALL PROTECT SYSTEMS WITH HANDOFF REDUNDANCY
13459BA	US	09/877,150	6,993,138	 	8-Jun-01	31-Jan-06 SPATIAL KEY TREES FOR KEY MANAGEMENT IN WIRELESS ENVIRONMENTS
13460BA	US	09/952,328	7,539,313		13-Sep-01	26-May-09 SYSTEM AND METHOD FOR KEY MANAGEMENT ACROSS GEOGRAPHIC DOMAINS
13464RO	US	09/746,124	6,928,245		20-Dec-00	9-Aug-05 METHOD FOR CONFIGURING WDM RING OPTICAL NETWORKS
13469RO	US	09/723,591	7,519,047		28-Nov-00	14-Apr-09 METHOD AND APPARATUS FOR CLONING TERMINALS IN A COMMUNICATIONS NETWORK
13476ST	US	09/735,500	6,763,093		14-Dec-00	13-Jul-04 APPLICATION BASED QUEUING VIA AN H-323/SIP INTERFACE
13476ST	US	10/856,733	7,613,289		28-May-04	3-Nov-09 APPLICATION BASED QUEUING VIA AN H.323/SIP INTERFACE
13477ST	US	09/735,501	6,643,357		14-Dec-00	4-Nov-03 DISTRIBUTED REDIRECT SERVER
13477ST	US	10/694,566	7,031,445		27-Oct-03	18-Apri-06 DISTRIBUTED REDIRECT SERVER
13487RR	US	09/976,643	7,200,125		12-Oct-01	3-Agr-47 METHOD AND APPARATUS FOR DIFFERENTIATED COMMUNICATIONS IN A WIRELESS NETWORK
13492ID	US	09/864,844	6,490,385		24-May-01	3-Dec-02 DIMENTIONALLY STABLE DEVICE CONSTRUCTION
13499RO	US	09/742,347	6,961,776		22-Dec-00	1-Nov-05 ARCHITECTURE FOR MULTIPLE CHANNEL ACCESS TO APPLICATIONS
13530RO	US	09/961,379	6,889,338		25-Sep-01	3-May-05 ELECTING A MASTER SERVER USING ELECTION PERIODIC TIMER IN FAULT-TOLERANT DISTRIBUTED DYNAMIC NETWORKS SYSTEMS
13541RN	US	09/741,401	7,333,505		18-Dec-00	19-Feb-08 TRANSACTION MANAGEMENT FOR INTERWORKING BETWEEN DISPARATE NETWORKS
13557RO	US	09/697,120	6,795,445		27-Oct-00	21-Seo-04 HIERARCHICAL BANDWIDTH MANAGEMENT IN MULTISERVICE NETWORKS
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13569RO	US	10/191,512	7,103,282 Granted	10-Jul-02	5-Sep-06	ALL OPTICAL CLOCK RECOVERY
13569RO	US	11/496,727	7,376,354 Granted	1-Aug-06		ALL OPTICAL CLOCK RECOVERY
13575RO	US	29/133,148	D454,548 Granted	24-Nov-00	19-Mar-02	BULGING ELEMENT ON PRINTED CIRCUIT BOARD
13586RO	US	10/005,328	7,379,465 Granted	7-Dec-01	27-May-08	TUNNELING SCHEME OPTIMIZED FOR USE IN VIRTUAL PRIVATE NETWORKS
13589ID	US	09/893,258	6,647,030 Granted	27-Jun-01	11-Nov-03	TUNING OF OPTICAL FIBER COMPONENTS
13606RN	US	09/842,298	6,961,332 Granted	25-Apr-01	1-Nov-05	MULTIPLE APPEARANCE DIRECTORY NUMBER SUPPORT ACROSS PACKET AND CIRCUIT SWITCHED NETWORKS
13612BA	US	10/040,975	7,533,183 Granted	28-Dec-01	12-May-09	CENTRAL CONTROL OF MULTIPLE ADDRESS DOMAINS WITHIN A ROUTER
13619ID	US	09/815,323	6,853,719 Granted	22-Mar-01	8-Feb-05	PROVISION OF MEDIA CONTENT TO TELEPHONY CALLERS ON-HOLD
13620ID	US	09/888,883	6,854,013 Granted	25-Jun-01	8-Feb-05	METHOD AND APPARATUS FOR OPTIMIZING NETWORK SERVICE
13621ID	US	09/745,887	6,496,626 Granted	21-Dec-00	17-Dec-02	TELECOMMUNICATION SYSTEM POIWER SUPPLY
13626SS	US	09/935,819	6,566,639 Granted	23-Aug-01	20-May-03	SYSTEM, METHOD AND APPARATUS FOR DATA STORAGE USING AN OPTICAL MEDIUM
13630RO	US	09/742,232	6,621,338 Granted	22-Dec-00	16-Sep-03	GAIN DETERMINATION FOR CORRELATION PROCESSES
13639RO	US	09/753,025	6,970,906 Granted	29-Dec-00	29-Nov-05	VOICE MAIL CALLER IDENTIFICATION
13640RO	US	09/753,345	7,031,437 Granted	29-Dec-00	18-Apr-06	METHOD AND SYSTEM FOR PROVIDING REMOTE ACCESS TO PREVIOUSLYTRANSMITTED ENTERPRISE MESSAGES
13645ID	US	09/751,058	6,985,447 Granted	29-Dec-00	10-Jan-06	LABEL SWITCHTED TRAFFIC ROUTING AND SIGNALLING IN A LABEL SWITCHED COMMUNICATION PACKET NETWORK
13655RO	US	10/094,655	6,762,877 Granted	12-Mar-02	13-Jul-04	TECHNIQUE FOR SELECTIVELY FREQUENCY TRANSLATING OPTICAL CHANNELS IN AN OPTICAL NETWORK
13658ID	US	09/888,730	7,343,399 Granted	25-Jun-01	11-Mar-08	APPARATUS AND METHOD FOR MANAGING INTERNET RESOURCE REQUESTS
13682SS	US	09/723,388	6,775,804 Granted	28-Nov-00	10-Aug-04	DETERMINING INTEGRITY OF A PACKET
13683SS	US	09/723,835	6,782,503 Granted	28-Nov-00	24-Aug-04	GENERATING A SIGNATURE TO ADD TO A TEST PACKET TO ACHIEVE A DESIRED CHECK VALUE
13684SS	US	09/723,836	6,625,764 Granted	28-Nov-00	23-Sep-03	TESTING USING TEST PACKETS CONTAINING RANDOM DATA
13694RO	US	09/829,978	6,497,578 Granted	11-Apr-01	24-Dec-02	METHOD AND APPARATUS TO INCREASE CABLE CONNECTOR DENSITY IN EQUIPMENT
13702XR	US	09/704,457	6,571,030 Granted	1-Nov-00	27-May-03	OPTICAL CROSS-CONNECT SWITCHING SYSTEM
13706RO	US	29/135,001	D456,241 Granted	4-Jan-01	30-Apr-02	CABLE GUIDE
13708RO	US	09/960,959	7,233,590 Granted	25-Sep-01	19-Jun-07	SWITCHED CHANNEL-BAND NETWORK
13711BA	US	09/707,280	7,483,964 Granted	6-Nov-00	27-Jan-09	SYSTEM, DEVICE, AND METHOD FOR PROVIDING PERSONALIZED SERVICES IN A COMMUNICATION SYSTEM
13722RO	US	10/115,561	7,246,376 Granted	3-Apr-02	17-Jul-07	METHOD AND APPARATUS FOR SECURITY MANAGEMENT IN A NETWORK ENVIRONMENT
13725RR	US	09/742,042	6,970,711 Granted	20-Dec-00	29-Nov-05	DUAL PROTOCOL GPRS MESSAGE CENTER AND METHOD THEREFOR
13765BA	US	09/861,822	7,349,630 Granted	21-May-01	25-Mar-08	HYBRID WDM/TDM NETWORK ARCHITECTURE
13766RO	US	09/928,745	7,171,121 Granted	14-Aug-01	30-Jan-07	OPTICAL NETWORK SUBSCRIBER ACCESS ARCHITECTURE
13767BA	US	09/930,548	7,738,359 Granted	15-Aug-01	15-Jun-10	SYSTEM, DEVICE, AND METHOD FOR MANAGING ALTERNATE SITE SWITCHING IN AN OPTICAL COMMUNICATION SYSTEM
13769RO	US	09/946,736	7,787,370 Granted	6-Sep-01	31-Aug-10	TECHNIQUE FOR ADAPTIVELY LOAD BALANCING CONNECTIONS IN MULTI-LINK TRUNKS
13775RO	US	10/209,904	7,352,971 Granted	2-Aug-02	1-Apr-08	BROADBAND CONTROL OF POLARIZATION MODE DISPERSION
13783BA	US	10/016,777	7,240,123 Granted	10-Dec-01	3-Jul-07	DISTRIBUTED ROUTING CORE
13787BA	US	09/906,548	7,154,851 Granted	16-Jul-01	26-Dec-06	APPLICATION-AWARE RESOURCE RESERVATION IN MULTISERVICE NETWORKS
13860ID	US	09/848,743	7,380,017 Granted	3-May-01	27-May-08	ROUTE PROTECTION IN A COMMUNICATIONS NETWORK
13874ID	US	09/794,125	7,411,984 Granted	27-Feb-01	12-Aug-08	METHOD OF PROVIDING TONE INFORMATION TO NODES IN A PACKET NETWORK
13886RO	US	10/075,436	7,301,950 Granted	14-Feb-02	27-Nov-07	ADAPTIVE STATE TRANSITION CONTROL
13888RO	US	09/821,722	7,348,494 Granted	29-Mar-01	25-Mar-08	SINGLE LAYER INTERCONNECTS
13901RO	US	29/135,361	D460,753 Granted	11-Jan-01	23-Jul-02	INTEGRATED COMMUNICATION ACCESS DEVICE
13903RO	US	10/083,305	7,065,143 Granted	26-Feb-02	20-Jun-06	METHOD AND DESIGN FOR INCREASING SIGNAL TO NOISE RATIO IN XDSL MODEMS
13981FR	US	09/161,589	6,138,097 Granted	28-Sep-98	24-Oct-00	RECONNAISSANCE EN APPRENTISSAGE -FR9712063- SPEECH RECOGNITION LEARNING TECHNIQUE
14020FR	US	09/161,588	6,246,980 Granted	28-Sep-98	12-Jun-01	METHOD OF SPEECH RECOGNITION
14034RO	US	10/115,396	7,290,286 Granted	3-Apr-02		CONTENT PROVIDER SECURE AND TRACEABLE PORTAL
14039BA	US	09/934,446	7,046,662 Granted	21-Aug-01		SYSTEM, DEVICE, AND METHOD FOR DISTRIBUTING ROUTING INFORMATION IN AN OPTICAL VIRTUAL PRIVATE NETWORK
14041RO	US	09/892,492	7,079,772 Granted	28-Jun-01		OPTICAL SIGNAL GENERATOR WITH STABILIZED CARRIER FREQUENCY OUTPUT
14042RO	US	09/893,493	7,599,620 Granted	29-Jun-01	6-Oct-09	COMMUNICATIONS NETWORK FOR A METROPOLITAN AREA
14043RO	US	09/870,665	7,035,541 Granted	1-Jun-01		WAVELENGTH ARCHITECTURE AND IMPLEMENTATION FOR A PHOTONICALLY SWITCHED NETWORK
14051RO	US	10/025,615	6,889,187 Granted	26-Dec-01		METHOD AND APPARATUS FOR IMPROVED VOICE ACTIVITY DETECTION IN A PACKET VOICE NETWORK
14092HU	US	09/976,721	6,763,089 Granted	12-Oct-01		SYSTEM FOR ENABLING TOD COMMUNICATION IN A TELEPHONE NETWORK AND METHOD FOR USING SAME
14102RR	US	09/751,461	6,868,396 Granted	29-Dec-00		METHOD AND APPARATUS FOR MONITORING INTERNET BASED SALES TRANSACTION BY LOCALVENDORS
14108CK	US	09/966,502	6,813,291 Granted	28-Sep-01		TUNABLE FABRY-PEROT FILTER AND TUNABLE VERTICAL CAVITY SURFACE EMITTING LASER
14111CK	US	10/103,416	6,744,524 Granted	20-Mar-02		METHOD AND APPARATUS FOR CALIBRATING A FABRY-PEROT INTERFEROMETER BASED MEASUREMENT SYSTEM
14114RO	US	09/817,796	6,947,547 Granted	27-Mar-01		MANAGEMENT SYSTEM FOR A TELECOMMUNICATIONS SWITCH
14124RG	US	10/196,884	7,796,583 Granted	17-Jul-02	14-Sep-10	PACKET HANDLER FOR HIGH SPEED DATA NETWORKS

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14124RG	US	12/848,715	8,259,710 Granted	2-Aug-10	4-Sep-12	PACKET HANDLER FOR HIGH SPEED DATA NETWORKS
14124RG	US	13/567,180	8,811,386 Granted	6-Aug-12	19-Aug-14	PACKET HANDLER FOR HIGH SPEED DATA NETWORKS
14203CK	US	10/021,975	6,627,847 Granted	13-Dec-01	30-Sep-03	METHOD AND APPARATUS FOR THROUGH-BODY OPTICAL COMPONENT ATTACHMENT USING LASER SOLDERING
14205BA	US	10/052,128	6,999,454 Granted	17-Jan-02	14-Feb-06	INFORMATION ROUTING SYSTEM AND APPARATUS
14210BA	US	10/068,472	7,518,796 Granted	8-Feb-02	14-Apr-09	OPTICAL DEVICE HAVING NONMONOTONIC TRANSFER FUNCTION AND APPLICATIONS USING SAME
14226RO	US	09/987,164	7,187,865 Granted	13-Nov-01	6-Mar-07	HYBRID PHOTONIC/ELECTRONIC SWITCHING IN A MULTI-CHANNEL NETWORK
14258ID	US	10/032,411	7,139,278 Granted	21-Dec-01	21-Nov-06	ROUTING TRAFFIC IN A COMMUNICATIONS NETWORK
14279RO	US	10/097,268	7,034,994 Granted	15-Mar-02	25-Apr-06	DISPERSION MANAGEMENT FOR LONG-HAUL HIGH-SPEED OPTICAL NETWORKS
14302RO	US	09/842,236	6,586,724 Granted	26-Apr-01	1-Jul-03	CHROMATIC DISPERSION DISCRIMINATOR
14303RO	US	09/893,498	6,690,848 Granted	29-Jun-01	10-Feb-04	METROPOLITAN PHOTONIC SWITCH
14303RO	US	10/768,050	7,050,667 Granted	2-Feb-04	23-May-06	METROPOLITAN PHOTONIC SWITCH
14310RO	US	10/017,509	7,042,912 Granted	18-Dec-01	9-May-06	RESYNCHRONIZATION OF CONTROL AND DATA PATH STATE FOR NETWORKS
14318RN	US	09/954,406	7,461,165 Granted	17-Sep-01	2-Dec-08	APPARATUS FOR DISTINCTIVE LABEL EDGE DEMARCATION FOR MULTIPROTOCOL LABEL SWITCHING
14319RN	US	10/006,942	6,985,961 Granted	4-Dec-01	10-Jan-06	SYSTEM FOR ROUTING INCOMING MESSAGE TO VARIOUS DEVICES BASED ON MEDIA CAPABILITIES AND TYPE OF MEDIA SESSION
14321RN	US	10/036,247	7,299,286 Granted	27-Dec-01	20-Nov-07	PERSONAL USER AGENT
14323RO	US	10/003,252	6,798,934 Granted	6-Dec-01	28-Sep-04	OPTICAL DATA THROUGHPUT PROTECTION SWITCH
14339RO	US	09/965,810	7,039,318 Granted	1-0ct-01	2-May-06	DISPERSION DISCRIMINATION AND COMPENSATION SYSTEM AND OPTICAL SWITCH FOR USE THEREWITH
14340RO	US	10/108,514	6,969,842 Granted	29-Mar-02	29-Nov-05	DISPERSION DISCRIMINATION FOR WIDEBAND OPTICAL SIGNALS
14341RO	US	10/028,510	7,443,834 Granted	20-Dec-01	28-Oct-08	COMBINING MULTIMEDIA SERVICES WITH TRADITIONAL TELEPHONY
14349RN	US	09/954,136	7,095,736 Granted	17-Sep-01	22-Aug-06	SYSTEM, DEVICE, AND METHOD FOR LOCALIZED INFORMATION PROCESSING IN A MULTIPROTOCOL LABEL SWITCHING NETWORK
14357RO	US	09/891,011	7,130,926 Granted	25-Jun-01	31-Oct-06	CONTROL PLANE FAILURE RECOVERY IN A NETWORK
14375RO	US	09/972,911	7,110,670 Granted	10-Oct-01	19-Sep-06	DISTRIBUTED PHOTONIC SWITCH AND OPTICAL UNI SERVER
14399RO	US	10/029,148	7,249,169 Granted	28-Dec-01	24-Jul-07	SYSTEM AND METHOD FOR NETWORK CONTROL AND PROVISIONING
14407ST	US	10/024,020	7,564,895 Granted	21-Dec-01	21-Jul-09	METHOD AND APPARATUS FOR MONITORING CHANNEL FREQUENCY RESPONSE
14416ID	US	10/109,918	7,212,540 Granted	29-Mar-02	1-May-07	TIME SLOT SCHEDULING FOR SHARED-MEDIUM COMMUNICATIONS NETWORKS
14448RO	US	10/107,332	7,117,257 Granted	28-Mar-02	3-Oct-06	MULTI-PHASE ADAPTIVE NETWORK CONFIGURATION
14495ID	US	10/107,876	7,272,137 Granted	27-Mar-02	18-Sep-07	DATA STREAM FILTERING APPARATUS AND METHOD
14522RO	US	10/195,531	7,068,935 Granted	16-Jul-02	27-Jun-06	TECHNIQUES FOR DILATING AND REVERSE DILATING OPTICAL CHANNELS IN AN OPTICAL SYSTEM
14525RO	US	10/303,015	7,106,977 Granted	25-Nov-02	12-Sep-06	TECHNIQUE FOR MULTICASTING OPTICAL FREQUENCY CHANNELS IN A MULTI-CHANNEL OPTICAL SYSTEM
14529RR	US	11/601,394	8,244,876 Granted	17-Nov-06	14-Aug-12	PROVIDING TELEPHONY SERVICES TO TERMINALS BEHIND A FIREWALL AND/OR A NETWORK ADDRESS TRANSLATOR
14529RR	US	11/788,581	8,108,553 Granted	20-Apr-07	31-Jan-12	PROVIDING NETWORK ADDRESS TRANSLATION INFORMATION
14529RR	US	13/584,105	8,484,359 Granted	13-Aug-12	9-Jul-13	PROVIDING TELEPHONY SERVICES TO TERMINALS BEHIND A FIREWALL AND/OR A NETWORK ADDRESS TRANSLATOR
14544RO	US	10/012,339	7,181,616 Granted	12-Dec-01	20-Feb-07	METHOD AND APPARATUS FOR DATA TRANSMISSION
14559RO	US	10/050,091	7,103,350 Granted	16-Nov-01	5-Sep-06	SCHEDULER WITH FAIRNESS CONTROL AND QUALITY OF SERVICE SUPPORT
14579AL	US	09/153,585	6,327,626 Granted	15-Sep-98	4-Dec-01	METHOD AND APPARATUS FOR MSS SPOOFING
14591RO	US	10/290,314	7,366,412 Granted	8-Nov-02	29-Apr-08	HYBRID FINE-COARSE CARRIER SWITCHING
14605RO	US	10/114,100	7,275,109 Granted	2-Apr-02		NETWORK COMMUNICATION AUTHENTICATION
14622ID	US	10/020,457	6,829,347 Granted	14-Dec-01	7-Dec-04	CONSTRAINT BASED ROUTING
14639ID	US	10/008,082	6,643,059 Granted	2-Nov-01	4-Nov-03	OPTICAL ARRAY AMPLIFIER
14643ID	US	10/024,996	6,707,957 Granted	18-Dec-01		COMPENSATING FOR POLARISATION MODE DISPERSION IN OPTICAL TRANSMISSION FIBRES
14652RR	US	10/171,526	7,010,727 Granted	12-Jun-02	7-Mar-06	METHOD AND SYSTEM FOR NEGOTIATING COMPRESSION TECHNIQUES TO BE UTILIZED IN PACKET DATA COMMUNICATIONS
14675RO	US	10/025,982	7,082,132 Granted	26-Dec-01	25-Jul-06	UNIVERSAL EDGE NODE
14675RO	US	11/447,030	7,606,262 Granted	6-Jun-06		UNIVERSAL EDGE NODE
14690RO	US	10/410,169	7,317,726 Granted	10-Apr-03		SCHEDULING IN A FAST OPTICAL SWITCH
14698RO	US	11/743,805	7,843,905 Granted	3-May-07		MODULAR HIGH-CAPACITY SWITCH
14698RO	US	12/916,805	8,792,516 Granted	1-Nov-10		MODULAR HIGH-CAPACITY SWITCH
14706ID	US	10/194,551	7,286,479 Granted	12-Jul-02		ROUTING FOR A COMMUNICATIONS NETWORK
14710RO	US	10/107,070	6,868,271 Granted	28-Mar-02		ADAPTIVE FAST CELL SWITCHING IN CELLULAR COMMUNICATIONS SYSTEMS
14715SS	US	10/718,129	7,697,527 Granted	20-Nov-03		METHOD AND APPARATUS FOR DIRECT FRAME SWITCHING USING FRAME CONTAINED DESTINATION INFORMATION
14715SS	US	12/757,209	8,228,916 Granted	9-Apr-10		METHOD AND APPARATUS FOR DIRECT FRAME SWITCHING USING FRAME CONTAINED DESTINATION INFORMATION
14715SS	US	13/406,145	#EMPTY Filed	27-Feb-12		METHOD AND APPARATUS FOR DIRECT FRAME SWITCHING USING FRAME CONTAINED DESTINATION INFORMATION
14721RO	US	09/970,883	7,092,356 Granted	5-Oct-01	-	RESOURCE MANAGEMENT IN HETEROGENOUS QOS-BASED PACKET NETWORKS
14731RO	US	09/984,700	7,046,693 Granted	31-Oct-01		METHOD AND SYSTEM FOR DETERMINING AVAILABILITY IN NETWORKS
14758RO	US	10/032,014	7,373,401 Granted	31-Dec-01	13-May-08	LABEL SWITCHED PATH OAM WRAPPER

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14758RO	US	12/110,677	8,024,457	Granted	28-Apr-08	20-Sep-11	LABEL SWITCHED PATH OAM WRAPPER
14758RO	US	13/212,327	#EMPTY	Filed	18-Aug-11	#EMPTY	LABEL SWITCHED PATH OAM WRAPPER
14763RO	US	10/143,889	7,486,677	Granted	14-May-02		TECHNIQUE FOR PROVIDING INTER-NODAL COMMUNICATIONS IN A PHOTONICS NETWORK
14774RO	US	10/058,879	6,646,790	Granted	28-Jan-02	11-Nov-03	OPTICAL AMPLIFIER GAIN CONTROL MONITORING
14779RO	US	10/274,083	7,830,914	Granted	21-Oct-02		TECHNIQUE FOR DELIVERING AND ENFORCING NETWORK QUALITY OF SERVICE TO MULTIPLE OUTSTATIONS
14782DE	US	09/999,267	7,529,711		31-Oct-01	,	METHOD AND SYSTEM FOR PROVIDING AND BILLING INTERNET SERVICES
14784RO	US	10/191,660	7,152,115	Granted	9-Jul-02		VIRTUAL PRIVATE NETWORKS
14796RO	US	10/054,512	7,187,654		13-Nov-01		RATE-CONTROLLED OPTICAL BURST SWITCHING
14796RO	US	11/625,949	8,406,246		23-Jan-07		RATE-CONTROLLED OPTICAL BURST SWITCHING
14796RO	US	13/792,825	8,902,916		11-Mar-13		RATE-CONTROLLED OPTICAL BURST SWITCHING
14800CK	US	09/993,271	6,520,652		14-Nov-01		METHOD AND APPARATUS FOR REDUCING UNDESIRABLE REFLECTED LIGHT IN INTEGRATED OPTO-ELECTRONIC MODULES
14807ID	US	09/991,386	8,782,226		13-Nov-01		ALLOCATING INTERNET PROTOCOL (IP) ADDRESSES TO NODES IN COMMUNICATIONS NETWORKS WHICH USE INTEGRATED IS-IS
14818ID	US	09/973,656	7,246,166		9-Oct-01		ESTABLISHING A COMMUNICATIONS PATH VIA A MULTI-HOMED COMMUNICATIONS NETWORK
14828RO	US	10/081,987	7,020,150		22-Feb-02		SYSTEM, DEVICE, AND METHOD FOR TRAFFIC AND SUBSCRIBER SERVICE DIFFERENTIATION USING MULTIPROTOCOL LABEL SWITCHING
14829RO	US	10/013,677	8,429,221		13-Dec-01	'	CONTENT REQUEST ROUTING METHOD
14845SS	US	10/177,998	8,750,702		21-Jun-02		PASSIVE OPTICAL LOOPBACK
14846RO	US	10/180,050	7,236,699		27-Jun-02		HIGH CAPACITY OPTICAL NODE
14850RO	US	10/326,123	7,069,650		23-Dec-02		TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A SIGNAL ROUTING DEVICE
14851RO	US	10/178,131	7,610,332	Granted	24-Jun-02		OVERLAY NETWORKS
14866SS	US	10/172,547	7,352,836		14-Jun-02	'	SYSTEM AND METHOD FOR CROSS-CLOCK DOMAIN RATE MATCHING
14869RO	US	10/224,417	8,086,665	Granted	21-Aug-02	27-Dec-11	TECHNIQUE FOR ENABLING A PLURALITY OF SOFTWARE COMPONENTS TO COMMUNICATE IN A SOFTWARE COMPONENT MATRIX ENVIRONMENT
14869RO	US	13/334,375	8,341,218	Granted	22-Dec-11		TECHNIQUE FOR ENABLING A PLURALITY OF SOFTWARE COMPONENTS TO COMMUNICATE IN A SOFTWARE COMPONENT MATRIX ENVIRONMENT
14869RO	US	13/724,017	8,706,806	Granted	21-Dec-12		TECHNIQUE FOR ENABLING A PLURALITY OF SOFTWARE COMPONENTS TO COMMUNICATE IN A SOFTWARE COMPONENT MATRIX ENVIRONMENT
14876RO	US	10/172,981	7,221,656	Granted	18-Jun-02		TECHNIQUE FOR IMPLEMENTING AN ADMISSION CONTROL SCHEME FOR DATA FLOWS
14877RO	US	10/076,415	7,043,651	Granted	19-Feb-02	9-May-06	TECHNIQUE FOR SYNCHRONIZING CLOCKS IN A NETWORK
14879RO	US	10/054,509	7,212,551	Granted	13-Nov-01	1-May-07	TIME-COORDINATION IN A BURST-SWITCHING NETWORK
14880RO	US	10/054,362	7,215,666		13-Nov-01		DATA BURST SCHEDULING
14880RO	US	11/696,213	7,590,109		4-Apr-07		DATA BURST SCHEDULING
14903ID	US	10/037,043	8,095,668		9-Nov-01		MIDDLEBOX CONTROL
14903ID	US	13/325,278	8,468,259		14-Dec-11		MIDDLEBOX CONTROL
14903ID	US	13/325,290	8,489,751	Granted	14-Dec-11		MIDDLEBOX CONTROL METHODS OF ESTABLISHING VIRTUAL CIRCUITS AND OF PROVIDING A VIRTUAL PRIVATE NETWORK SERVICE THROUGH A SHARED NETWORK, AND PROVIDER EDGE DEVICE
14904FR	US	10/054,207	8,713,185	Granted	22-Jan-02		FOR SUCH NETWORK
14908RO	US	10/139,928	6.926.561		7-May-02	'	INTEGRATED HIGH AND LOW FREQUENCY CONNECTOR ASSEMBLY
14918RO	US	10/101,211	7,256,354		20-Mar-02	,	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERCIRCUIT BOARD
14945RN	US	10/079,237	8,644,475		20-Feb-02	-	TELEPHONY USAGE DERIVED PRESENCE INFORMATION
14946FR	US	10/185,113	6.789.121		28-Jun-02		METHOD OF PROVIDING A VIRTUAL PRIVATE NETWORK SERVICE THROUGH A SHARED NETWORK, AND PROVIDER EDGE DEVICE FOR SUCH NETWORK
14965RR	US	10/102,171	7,382,748		20-Mar-02		ASSIGNING A DYNAMIC HOME AGENT FOR A MOBILE NETWORK ELEMENT
		1 ,	.,,			2 12 00	ELECTRONIC METHOD AND APPARATUS FOR MEASURING OPTICAL WAVELENGTH AND LOCKING TO A SET OPTICAL WAVELENGTH OF FABRY-PEROT TUNABLE CAVITY OPTO-
14966CK	US	10/264,060	6,831,450	Granted	3-Oct-02	14-Dec-04	ELECTRONIC DEVICES
14979BA	US	10/077,763	7,149,215	Granted	20-Feb-02	12-Dec-06	TECHNIQUE FOR MULTICASTING RECEIVER MEMBERSHIP REPORTS
14986BA	US	09/930,375	7,437,449	Granted	15-Aug-01	14-Oct-08	SYSTEM, DEVICE, AND METHOD FOR MANAGING SERVICE LEVEL AGREEMENTS IN AN OPTICAL COMMUNICATION SYSTEM
14997BA	US	09/933,330	6,693,732	Granted	20-Aug-01	17-Feb-04	OPTICAL SAMPLER BASED ON STABLE, NON-ABSORBING OPTICAL HARD LIMITERS
14999BA	US	09/933,222	6,674,559	Granted	20-Aug-01	6-Jan-04	OPTICAL AUTOMATIC GAIN CONTROL BASED ON STABLE, NON-ABSORBING OPTICAL HARD LIMITERS
15000BA	US	09/933,146	6,636,337	Granted	20-Aug-01	21-Oct-03	OPTICAL SWITCHING DEVICE BASED ON STABLE, NON-ABSORBING OPTICAL HARD LIMITERS
15001BA	US	09/969,348	6,573,530	Granted	2-Oct-01	3-Jun-03	MULTIPLE QUANTUM WELL OPTOELECTRONIC DEVICES
15023RO	US	10/152,028	7,212,492	Granted	22-May-02	1-May-07	TECHNIQUE FOR PROVIDING A CONTROL AND MANAGEMENT PROTOCOL FOR AN ETHERNET LAYER IN AN ETHERNET NETWORK
15030RN	US	10/106,415	7,286,545	Granted	26-Mar-02	23-Oct-07	SERVICE BROKER
15041RO	US	10/407,460	7,069,646	Granted	7-Apr-03	4-Jul-06	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERSIGNAL ROUTING DEVICE
15044RR	US	10/113,696	6,999,564	Granted	29-Mar-02	14-Feb-06	SYSTEM AND METHOD FOR TELEPHONIC SWITCHING AND SIGNALING BASED ON VOICE RECOGNITION
15070RO	US	10/232,063	7,499,404	Granted	30-Aug-02	3-Mar-09	DISTRIBUTED QUALITY OF SERVICE ROUTING
15082ID	US	10/106,339	6,765,723	Granted	26-Mar-02	20-Jul-04	COMPENSATION OF POLARIZATION-DEPENDENT DISTORTION SUCH AS PMD
15094RO	US	10/102,790	6,922,531	Granted	21-Mar-02	26-Jul-05	METHOD AND SYSTEM FOR ENCODING OPTICAL COMMUNICATION INFORMATION DURING AUTOMATIC LASER SHUTDOWN RESTART SEQUENCE
15112ID	US	10/225,541	7,349,427	Granted	21-Aug-02	25-Mar-08	ROUTING METHOD AND APPARATUS FOR OPTIMISING AUTO-TUNNELLING IN A HETEROGENEOUS NETWORK

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15120RO	US	10/316,557	7,450,845 Granted	11-Dec-02	11-Nov-08	EXPANDABLE UNIVERSAL NETWORK
15130RO	US	10/195,620	8,144,711 Granted	15-Jul-02	27-Mar-12	HITLESS SWITCHOVER AND BANDWIDTH SHARING IN A COMMUINCATION NETWORK
15130RO	US	13/413,171	8,483,224 Granted	6-Mar-12	9-Jul-13	HITLESS SWITCHOVER AND BANDWIDTH SHARING IN A COMMUNICATION NETWORK
15137RO	US	10/437,676	7,369,491 Granted	14-May-03	6-May-08	REGULATING DATA-BURST TRANSFER
15137RO	US	12/051,317	7,817,543 Granted	19-Mar-08	19-Oct-10	REGULATING DATA-BURST TRANSFER
15141RO	US	10/106,781	7,072,304 Granted	27-Mar-02	4-Jul-06	NETWORK PATH SELECTION BASED ON BANDWIDTH
15148RO	US	11/002,580	7,542,473 Granted	2-Dec-04	2-Jun-09	HIGH-SPEED SCHEDULING APPARATUS FOR A SWITCHING NODE
15148RO	US	12/365,995	7,983,273 Granted	5-Feb-09	19-Jul-11	HIGH-SPEED SCHEDULING APPARATUS FOR A SWITCHING NODE
15155AB	US	10/267,765	7,746,797 Granted	9-Oct-02	29-Jun-10	EMBEDDED REAL-TIME VOICE QUALITY ANALYSIS SYSTEM
15155AB	US	12/782,468	8,593,975 Granted	18-May-10	26-Nov-13	NON-INTRUSIVE MONITORING OF QUALITY LEVELS FOR VOICE COMMUNICATIONS OVER A PACKET-BASED NETWORK
15156RO	US	10/265,621	7,260,097 Granted	8-Oct-02	21-Aug-07	LABEL CONTROL METHOD AND APPARATUS FOR VIRTUAL PRIVATE LAN SEGMENT NETWORKS
15158ID	US	10/425,807	7,136,558 Granted	29-Apr-03	14-Nov-06	OPTICAL WAVEGUIDE
15171RO	US	10/326,122	7,653,050 Granted	23-Dec-02	26-Jan-10	TECHNIQUE FOR IMPLEMENTING A MULTI-SERVICE PACKET AND OPTICAL/TDM VIRTUAL PRIVATE CROSS-CONNECT
15172RN	US	10/100,703	7,227,937 Granted	19-Mar-02	5-Jun-07	MONITORING NATURAL INTERACTION FOR PRESENCE DETECTION
15175RN	US	10/119,923	7,139,797 Granted	10-Apr-02	21-Nov-06	PRESENCE INFORMATION BASED ON MEDIA ACTIVITY
15178ID	US	10/176,140	6,950,571 Granted	20-Jun-02	27-Sep-05	OPTICAL SWITCHABLE COMPONENT
15179BA	US	10/212,408	7,783,043 Granted	5-Aug-02	24-Aug-10	SECURE GROUP COMMUNICATIONS
15179BA	US	12/804,216	8,300,830 Granted	15-Jul-10	30-Oct-12	SECURE GROUP COMMUNICATIONS
15187RN	US	10/331,206	7,349,419 Granted	30-Dec-02	25-Mar-08	QUEUE SIZING FOR PACKET ROUTING
15188RO	US	10/301,681	7,508,846 Granted	22-Nov-02	24-Mar-09	PHYSICAL CAPACITY AGGREGATION SYSTEM AND METHOD
15195RO	US	10/262,022	7,646,761 Granted	1-Oct-02	12-Jan-10	INTEGRATING MULTIMEDIA CAPABILITIES WITH LEGACY NETWORKS
15196ID	US	10/090,383	7,058,008 Granted	4-Mar-02	6-Jun-06	LINK CAPACITY ADJUSTMENT COMPONENT
15199RO	US	10/175,065	6,657,186 Granted	26-Jun-02	2-Dec-03	CHROMATIC DISPERSION DISCRIMINATOR
15203RO	US	10/172,930	7,269,132 Granted	17-Jun-02	11-Sep-07	METHOD AND APPARATUS FOR ACHIEVING TRANSPARENT REDUNDANCY AT A HIERARCHICAL BOUNDARY
15204RO	US	10/323,678	7,483,450 Granted	20-Dec-02	27-Jan-09	METHOD AND SYSTEM FOR LINK-BASED CLOCK SYNCHRONIZATION IN ASYNCHRONOUS NETWORKS
15207RO	US	10/259,433	7,403,988 Granted	30-Sep-02	22-Jul-08	TECHNIQUE FOR AUTONOMOUS NETWORK PROVISIONING
15209RN	US	10/336,523	7,711,810 Granted	3-Jan-03	4-May-10	DISTRIBUTED SERVICES BASED ON PRESENCE TECHNOLOGY
15219RO	US	10/266,183	7,944,817 Granted	7-Oct-02	17-May-11	HIERARCHICAL VIRTUAL TRUNKING OVER PACKET NETWORKS
15228ID	US	10/179,656	7,139,381 Granted	25-Jun-02	21-Nov-06	METHOD AND APPARATUS FOR INITIATING TELEPHONY CONTACT
15233RO	US	10/326,125	6,710,913 Granted	23-Dec-02	23-Mar-04	TECHNIQUE AND APPARATUS FOR WAVE-MIXING FREQUENCY TRANSLATION IN A NETWORK
15234RO	US	10/325,978	6,825,971 Granted	23-Dec-02	30-Nov-04	TECHNIQUE AND APPARATUS FOR FREQUENCY CONVERSION IN AN OPTICAL NETWORK
15236XR	US	09/388,772	6,392,220 Granted	2-Sep-99	21-May-02	MICROMACHINED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSIONAL FLEXURE HINGES
15263RR	US	10/385,352	7,136,635 Granted	10-Mar-03	14-Nov-06	PROXY SIP SERVER INTERFACE FOR SESSION INITIATION COMMUNICATIONS
15268RO	US	10/176,060	7,333,438 Granted	21-Jun-02	19-Feb-08	PRIORITY AND POLICY BASED RECOVERY IN CONNECTION-ORIENTED COMMUNICATION NETWORS
15273RO	US	10/139,982	6,876,085 Granted	7-May-02	5-Apr-05	SIGNAL LAYER INTERCONNECT USING TAPERED TRACES
15283RO	US	10/326,064	6,753,679 Granted	23-Dec-02	22-Jun-04	TEST POINT MONITOR USING EMBEDDED PASSIVE RESISTANCE
15289RO	US	10/797,071	7,286,755 Granted	11-Mar-04	23-Oct-07	METHOD AND APPARATUS FOR TESTING AN OPTICAL COMPONENT
15292RR	US	10/186,787	7,142,562 Granted	1-Jul-02	28-Nov-06	ADAPTIVE DATA RATE CONTROL FOR MOBILE DATA TRANSFER FOR HIGH THROUGHPUT AND GUARANTEED ERROR RATE
15300AL	US	10/283,717	7,443,841 Granted	30-Oct-02	28-Oct-08	LONGEST PREFIX MATCHING (LPM) USING A FIXED COMPARISON HASH TABLE
15302RR	US	10/194,329	7,289,484 Granted	12-Jul-02		CALL-FAIL-SAFE METHOD FOR WIRELESS TRAFFIC DISTRIBUTION ACROSS BANDS
15312RO	US	10/262,288	7,920,546 Granted	1-Oct-02		AUTOMATED ATTENDANT MULTIMEDIA SESSION
15312RO	US	13/047,362	8,848,693 Granted	14-Mar-11	30-Sep-14	AUTOMATED ATTENDANT MULTIMEDIA SESSION
15313RO	US	10/389,804	8,594,499 Granted	18-Mar-03		MONITORING PHASE NON-LINEARITIES IN AN OPTICAL COMMUNCIATIONS SYSTEM
15313RO	US	14/064,901	8,781,317 Granted	28-Oct-13		MONITORING PHASE NON-LINEARITIES IN AN OPTICAL COMMUNCIATION SYSTEM
15316RO	US	10/261,577	7,050,565 Granted	1-Oct-02		MULTIMEDIA AUGMENTED CALL COVERAGE
15324XR	US	10/384,270	7,042,922 Granted	7-Mar-03	- '	METHOD FOR CALIBRATING PHOTONIC CROSSCONNECT DEVICE
15325XR	US	10/383,437	7,072,031 Granted	7-Mar-03		ALIGNMENT LASER FOR USE IN CROSS-CONNECTS
15327XR	US	10/384,108	6,836,589 Granted	7-Mar-03		LOW LOSS OPTICAL SWITCH USING DUAL AXIS PIEZO ACTUATION AND SENSING
15331XR	US	10/259,240	6,853,763 Granted	27-Sep-02		PHOTONIC SWITCHING INCLUDING PHOTONIC PASS-THROUGH AND ADD/DROP CAPABILITIES
15333RO	US	10/390,880	6,922,501 Granted	19-Mar-03		FAST OPTICAL SWITCH
15333RO	US	11/152,926	7,171,072 Granted	15-Jun-05		FAST OPTICAL SWITCH
15333RO	US	11/553,596	7,386,202 Granted	27-Oct-06		FAST OPTICAL SWITCH
15333RO	US	11/619,847	7,593,607 Granted	4-Jan-07		FAST OPTICAL SWITCH
15337RO	US	10/385,995	7,620,712 Granted	11-Mar-03	17-Nov-09	AVAILABILITY MEASUREMENT IN NETWORKS

Ober (Burcher)	1960-1965	Population .	Дарр Район — Нера Этайна	Sept Fleet Oaks	Sparing Services
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15352ID	US	10/253,097	7,333,500 Granted	24-Sep-02	19-Feb-08 METHODS FOR DISCOVERING NETWORK ADDRESS AND PORT TRANSLATORS
15361RO	US	10/194,114	7,286,467 Granted	12-Jul-02	23-Oct-07 FAILURE PROTECTION FOR PACKET TELEPHONY
15367RO	US	10/286,781	7,088,919 Granted	4-Nov-02	8-Aug-06 MODULAR PHOTONIC SWITCH WITH WAVELENGTH CONVERSION
15377RO	US	10/774,638	7,536,720 Granted	2-Jul-02	19-May-09 METHOD AND APPARATUS FOR ACCELERATING CPE-BASED VPN TRANSMISSIONS OVER A WIRELESS NETWORK.
15407RO	US	10/324,551	7,583,632 Granted	20-Dec-02	1-Sed-09 EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
15412ID	US	10/209,043	7,239,613 Granted	30-Jul-02	3-Jul-07 SELECTIVE PURGING OF ROUTING DATA PACKETS IN A NETWORK
15414RO	US	10/364,401	7,272,315 Granted	12-Feb-03	18-Sep-07 TECHNIQUE FOR TRANSFERRING INFORMATION IN A PASSIVE OPTICAL NETWORK
15417RO	US	10/192,498	7,180,866 Granted	11-Jul-02	20-Feb-97 REPOUTING IN CONNECTION-ORIENTED COMMUNICATION NETWORKS AND COMMUNICATION SYSTEMS
15433RO	US	10/390,730	7,394,806 Granted	19-Mar-03	1-Jul-08 DISTRIBUTED SPACE-TIME-SPACE SWITCH
15437RO	US	10/744,838	7,774,474 Granted	23-Dec-03	10-Aug-10 COMMUNICATION OF CONTROL AND DATA PATH STATE FOR NETWORKS
15449RO	US	10/326,109	7,379,457 Granted	23-Dec-02	27-May-08 TECHNIQUE FOR IMPLEMENTING A VIRTUAL PRIVATE OPTICAL SWITCHED TRANSPORT NETWORK USING VIRTUAL PRIVATE OPTICAL/TOM CROSS-CONNECT TECHNOLOGY
15450RO	US	10/326,121	8,799,430 Granted	23-Dec-02	5-Aug-14 TECHNIQUE FOR IMPLEMENTING AN OPTICAL/TOM VIRTUAL PRIVATE NETWORK
15457RO	US	10/324,755	7,653,192 Granted	20-Dec-02	26-Jan-10 MULTIMEDIA AUGMENTED CONFERENCE BRIDGE
15464RO	US	10/238,242	6,796,716 Granted	10-Sep-02	28-Sep-04/NETWORK DEVICE CONTAINING AN OPTICAL MODULE HAVING OPTICAL AND ELECTRICAL CONNECTIONS FACING ONE DIRECTION
15468RO	US	10/180,080	7,200,340 Granted	27-Jun-02	3-Ago-07 IRREGULAR TWO-DIMENSIONAL WIDE-COVERAGE NETWORK
15482RO	US	10/690,659	7,200,340 Granted	23-Oct-03	25-Sep-07 COMPENSATION OF TEMPERATURE-INDUCED DISPERSION DRIFT IN OPTICAL COMMUNICATION LINKS
	_				23-SEP-01 COMPENSATION OF ICEMPENATOR-INDUCED DISPENSION DAILY IN OFFICIAL COMMUNICATION LINKS 12-May-03 (GEOGRAPHIC REDUNDANCY FOR CALL SERVERS IN A CELLULAR SYSTEMBASED ON A BEARER-INDEPENDENT CORE NETWORK
15499RR	US	10/615,260	7,532,568 Granted	8-Jul-03	
15499RR	US	12/463,634	7,995,564 Granted	11-May-09	9-Aug-11 GEOGRAPHIC REDUNDANCY FOR CALL SERVERS IN A CELLULAR SYSTEMBASED ON A BEARER-INDEPENDENT CORE NETWORK
15499RR	US	13/180,045	8,576,700 Granted	11-Jul-11	5-Nov-13 GEOGRAPHIC REDUNDANCY FOR CALL SERVERS IN A CELLULAR SYSTEMBASED ON A BEARER-INDEPENDENT CORE NETWORK
15532ID	US	10/321,766	7,561,526 Granted	17-Dec-02	14-Jul-09 COMMUNICATION NETWORK ROUTE DETERMINATION
15549RO	US	10/738,895	7,756,959 Granted	17-Dec-03	13-Jul-10 SELF-PROVISIONING NODE AND NETWORK
15560XR	US	10/252,486	6,707,961 Granted	23-Sep-02	16-Mar-04 OPTICAL CROSS-CONNECT SWITCH WITH DECREASED POLARIZATION-DEPENDENT LOSS
15561XR	US	10/289,717	6,975,787 Granted	7-Nov-02	13-Dec-05 NON-LINEAR METHOD FOR MICRO-MIRROR CONTROL
15562XR	US	10/261,099	#EMPTY Filed	30-Sep-02	
15581RO	US	10/657,939	7,467,215 Granted	9-Sep-03	16-Dec-08 SVC-L2.5 VPNS: COMBINING LAYER-3 VPNS TECHNOLOGY WITH SWITCHED MPLS/IP L2VPNS FOR ETHERNET, ATM, AND FRAME RELAY CIRCUITS
15606BA	US	10/611,392	7,746,781 Granted	27-Jun-03	29-Jun-10 METHOD AND APPARATUS FOR PRESERVING DATA IN A SYSTEM IMPLEMENTING DIFFSERV AND IPSEC PROTOCOL
15606BA	US	12/781,908	8,755,280 Granted	18-May-10	17-Jun-14 METHOD FOR MAINTAINING DIFFERENTIATED SERVICES DATA FLOW AT A NETWORK DEVICE IMPLEMENTING REDUNDANT PACKET DISCARD SECURITY TECHNIQUES
15623RO	US	10/657,953	7,532,630 Granted	9-Sep-03	12-May-09 GENERALIZED LAYER 2 VPNS
15625BA	US	10/327,587	7,315,862 Granted	20-Dec-02	1-Jan-08 CONCURRENT LOCK-FREE ACCESS TO A RECORD BY WRITE AND READ PROCESSES
15639RO	US	10/324,609	7,039,170 Granted	20-Dec-02	2-May-06 AUTOMATED DATA TRANSFER IN ASSOCIATION WITH A VOICE CALL
15642RO	US	10/391,809	7,917,854 Granted	20-Mar-03	29-Mar-11 TELECOMMUNICATIONS NETWORK ADMINISTRATION GRAPHICAL USER INTERFACE
15647RO	US	10/325,143	7,920,690 Granted	20-Dec-02	5-Apr-11 INTERWORKING OF MULTIMEDIA AND TELEPHONY EQUIPMENT
15647RO	US	10/726,905	7,496,192 Granted	3-Dec-03	24-Feb-09 INTERWORKING OF MULTIMEDIA AND TELEPHONY EQUIPMENT
15651RO	US	10/385,965	7,359,328 Granted	11-Mar-03	15-Apr-08 APPARATUS FOR USING A VERIFICATION PROBE IN AN LDP MPLS NETWORK
15652RO	US	10/385,942	7,839,891 Granted	11-Mar-03	23-Nov-10 METHOD FOR USING A KNOWLEDGE DIGEST TO VERIFY CONFIGURATION INFORMATION IN A NETWORK
15653RO	US	10/386,091	7,283,563 Granted	11-Mar-03	16-Oct-07 METHOD FOR USING A VERIFICATION PROBE IN AN LDP MPLS NETWORK
15654RO	US	10/386,093	7,359,404 Granted	11-Mar-03	15-Apr-08 APPARATUS USING A KNOWLEDGE DIGEST TO VERIFY CONFIGURATION INFORMATION IN A NETWORK
15662RO	US	10/631,711	7,373,420 Granted	1-Aug-03	13-May-08 METHOD APPARATUS FOR WEIGHTED FAIR QUEUING
15668ID	US	10/320,574	7,583,619 Granted	16-Dec-02	1-Sep-09 WIRELESS ACCESS COMMUNICATIONS NETWORK
15668ID	US	12/549,584	7,983,202 Granted	28-Aug-09	19-Jul-11 TELECOMMUNICATIONS NETWORK
15668ID	US	13/173,875	8,654,725 Granted	30-Jun-11	18-Feb-14 TELECOMMUNICATIONS NETWORK
15669RO	US	10/617,956	7,218,891 Granted	14-Jul-03	15-May-07 MULTI-HOP INTELLIGENT RELAYING METHOD AND APPARATUS FOR USE IN A FREQUENCYDIVISION DUPLEXING BASED WIRELESS ACCESS NETWORK
15671RO	US	10/411,332	7,200,339 Granted	11-Apr-03	3-Apr-07 METHOD AND APPARATUS FOR LASER LINE-WIDTH COMPENSATION
15689RN	US	10/692,842	8,891,546 Granted	24-Oct-03	18-Nov-14 METHOD AND APPARATUS FOR CONTENT PROCESSING APPLICATION ACCELERATION
15691RO	US	10/692,575	7,418,091 Granted	24-Oct-03	26-Aug-08 SELECTIVE CALL WAITING CALLER ID
15725RO	US	10/716,599	7,107,673 Granted	20-Nov-03	19-Sep-06 TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
15727RR	US	10/417,437	7,230,951 Granted	16-Apr-03	12-Jun-07 POLICY BASED MOBILE IP
15728RR	US	10/417,455	7,343,158 Granted	16-Apr-03	11-Mar-08 HOME AGENT REDIRECTION FOR MOBILE IP
15763RR	US	10/384,047	7,035,390 Granted	7-Mar-03	25-Apr-06 USER CONTROLLED CALL ROUTING FOR MULTIPLE TELEPHONY DEVICES
15765RO	US	10/861,387	7,259,336 Granted	7-Jun-04	21-Aug-07 TECHNIQUE FOR IMPROVING POWER AND GROUND FLOODING
15773DE	US	10/455,557	7,447,909 Granted	5-Jun-03	4-Nov-08 METHOD AND SYSTEM FOR LAWFUL INTERCEPTION OF PACKET SWITCHED NETWORK SERVICES
15780RO	US	10/439,531	7,590,122 Granted	16-May-03	15-Sep-09 METHOD AND APPARATUS FOR SESSION CONTROL
15788RO	US	10/437,006	6,936,502 Granted	14-May-03	30-Aug-05 PACKAGE MODIFICATION FOR CHANNEL-ROUTED CIRCUIT BOARDS
15790ID	US	10/456,249	7,184,703 Granted	6-Jun-03	27-Feb-07 MULTI-HOP WIRELESS COMMUNICATIONS SYSTEM HAVING RELAY EQUIPMENTS WHICH SELECT SIGNALS TO FORWARD

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15790ID	US	10/968,518	8,908,609 Granted	19-Oct-04	9-Dec-14	MULTI-HOP WIRELESS COMMUNICATIONS SYSTEM AND METHOD
15791RO	US	10/645,489	7,965,717 Granted	22-Aug-03	21-Jun-11	MULTI-STAGED SERVICES POLICING
15793RO	US	10/459,475	6,817,870 Granted	12-Jun-03	16-Nov-04	TECHNIQUE FOR INTERCONNECTION MULTILAYER CIRCUIT BOARDS
15843RR	US	10/402,186	7,076,038 Granted	26-Mar-03	11-Jul-06	METHODS AND SYSTEMS FOR ENABLING CHARGING LAND-LINE LONG-DISTANCE CALLS TO WIRELESS SUBSCRIBER'S ACCOUNT
15845RO	US	10/716,731	7,350,233 Granted	19-Nov-03	25-Mar-08	FAST RE-ESTABLISHMENT OF COMMUNICATIONS FOR VIRTUAL PRIVATE NETWORK DEVICES
15854RO	US	10/653,289	7,220,287 Granted	3-Sep-03	22-May-07	TECHNIQUES FOR TUNING AN EMBEDDED CAPACITOR IN A MULTI CIRCUIT BOARD
15863RO	US	10/780,557	7,567,556 Granted	18-Feb-04	28-Jul-09	CIRCULATING SWITCH
15863RO	US	11/185,542	7,856,010 Granted	21-Jul-05	21-Dec-10	CIRCULATING SWITCH
15863RO	US	12/493,801	7,961,649 Granted	29-Jun-09	14-Jun-11	CIRCULATING SWITCH
15865RO	US	10/722,480	7,383,548 Granted	28-Nov-03	3-Jun-08	CPU USAGE REGULATION
15873RO	US	10/385,966	7,668,949 Granted	11-Mar-03	23-Feb-10	VERIFICATION OF CONFIGURATION INFORMATION IN BGP VPNS
15873RO	US	12/649,562	8,266,322 Granted	30-Dec-09	11-Sep-12	VERIFICATION OF CONFIGURATION INFORMATION IN BGP VPNS
15873RO	US	13/602,266	8,554,901 Granted	3-Sep-12	8-Oct-13	VERIFICATION OF CONFIGURATION INFORMATION IN BGP VPNS
15874RO	US	10/385,993	7,480,253 Granted	11-Mar-03	20-Jan-09	ASCERTAINING THE AVAILABILITY OF COMMUNICATIONS BETWEEN DEVICES
15875RO	US	10/386,092	7,453,886 Granted	11-Mar-03	18-Nov-08	VERIFICATION OF COMMUNICATIONS PATHS BETWEEN DEVICES
15876RO	US	10/385,996	7,610,360 Granted	11-Mar-03	27-Oct-09	TRANSIENT TOLERANT VERIFICATION OF COMMUNICATIONS PATHS BETWEEN DEVICES
15890RO	US	10/403,690	8,132,017 Granted	31-Mar-03	6-Mar-12	METHOD AND APPARATUS FOR SECURELY SYNCHRONIZING PASSWORD SYSTEMS
15890RO	US	13/304,060	8,838,959 Granted	23-Nov-11	16-Sep-14	METHOD AND APPARATUS FOR SECURELY SYNCHRONIZING PASSWORD SYSTEMS
15901RO	US	10/667,491	8,123,927 Granted	23-Sep-03	28-Feb-12	REDUCED CIRCUIT TRACE ROUGHNESS FOR IMPROVED SIGNAL PERFORMANCE
15902RO	US	10/697,312	7,389,043 Granted	31-Oct-03	17-Jun-08	PROTECTION ARCHITECTURE FOR PHOTONIC SWITCH USING TUNABLE OPTICAL FILTER
15909RO	US	10/617,192	7,450,520 Granted	10-Jul-03	11-Nov-08	REMOVE INTERFACE FOR A NETWORK DEVICE IN THE PHYSICAL PLANT
15917RO	US	10/755,573	7,245,829 Granted	12-Jan-04	17-Jul-07	ARCHITECTURE FOR DYNAMIC CONNECTIVITY IN AN EDGE PHOTONIC NETWORK ARCHITECTURE
15934RR	US	10/375,549	7,260,841 Granted	27-Feb-03	21-Aug-07	SYSTEM AND METHOD FOR MAINTAINING ACCESS TO CONTENT IN AN ENCRYPTED NETWORK ENVIRONMENT
15941BA	US	10/661,903	7,526,658 Granted	12-Sep-03	28-Apr-09	SCALABLE, DISTRIBUTED METHOD AND APPARATUS FOR TRANSFORMING PACKETS TO ENABLE SECURE COMMUNICATION BETWEEN TWO STATIONS
15941BA	US	11/552,230	7,900,250 Granted	24-Oct-06	1-Mar-11	METHOD OF PROVIDING SECURE GROUPS USING A COMBINATION OF GROUP AND PAIR-WISE KEYING
15942RN	US	10/616,621	7,486,659 Granted	10-Jul-03	3-Feb-09	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION BETWEEN VIRTUAL PRIVATE NETWORK SITES
15943BA	US	10/647,759	7,395,423 Granted	25-Aug-03	1-Ju -08	SECURITY ASSOCIATION STORAGE AND RECOVERY IN GROUP KEY MANAGEMENT
15959RO	US	10/693,806	7,096,043 Granted	24-Oct-03	22-Aug-06	CALL ORIGINATION CONTROL
15965RN	US	10/403,582	7,688,852 Granted	31-Mar-03	30-Mar-10	AUTO-COMPRESSION FOR MEDIA OVER IP
15965RN	US	12/732,578	8,374,199 Granted	26-Mar-10	12-Feb-13	AUTO-COMPRESSION FOR MEDIA OVER IP
15965RN	US	13/689,833	8,665,904 Granted	30-Nov-12	4-Mar-14	AUTO-COMPRESSION FOR MEDIA OVER IP
15984RO	US	10/745,061	7,680,923 Granted	22-Dec-03	16-Mar-10	CONNECTIVITY ASSESSMENT FOR LABEL DISTRIBUTION PROTOCOL (LDP) NETWORKS
15986RN	US	10/648,000	7,313,232 Granted	26-Aug-03	25-Dec-07	MONITORING FOR OPERATOR SERVICES
15990SS	US	10/678,705	7,734,748 Granted	3-Oct-03	8-Jun-10	METHOD AND APPARATUS FOR INTELLIGENT MANAGEMENT OF A NETWORK ELEMENT
15990SS	US	12/730,992	8,161,139 Granted	24-Mar-10	17-Apr-12	METHOD AND APPARATUS FOR INTELLIGENT MANAGEMENT OF A NETWORK ELEMENT
15992RR	US	10/610,509	6,963,352 Granted	30-Jun-03	8-Nov-05	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING IN A COMMUNICATION SYSTEM
15996RR	US	10/610,511	7,765,302 Granted	30-Jun-03	27-Jul-10	DISTRIBUTED CALL SERVER SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD
15996RR	US	12/824,034	8,554,828 Granted	25-Jun-10		DISTRIBUTED CALL SERVER SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD
16006RO	US	10/437,628	7,535,841 Granted	14-May-03		FLOW-RATE-REGULATED BURST SWITCHES
16006RO	US	12/427,106	8,031,598 Granted	21-Apr-09	- '	FLOW-RATE-REGULATED BURST SWITCHES
16015BA	US	10/864,146	8,687,485 Granted	9-Jun-04		METHOD AND APPARATUS FOR PROVIDING REPLAY PROTECTION IN SYSTEMS USING GROUP SECURITY ASSOCIATIONS
16019RO	US	10/666,529	7,561,586 Granted	19-Sep-03		METHOD AND APPARATUS FOR PROVIDING NETWORK VPN SERVICES ON DEMAND
16021ID	US	10/645,438	8,010,607 Granted	21-Aug-03		MANAGEMENT OF QUEUES IN CONTACT CENTRES
16027BA	US	10/686,071	7,577,736 Granted	15-Oct-03	•	NETWORK ACCOUNTING STATISTICS COLLECTION
16039RO	US	10/732,532	7,409,020 Granted	11-Dec-03	-	TECHNIQUE FOR FILTER-ENHANCED CLOCK SYNCHRONIZATION
16040RO	US	10/682,625	7,289,440 Granted	9-Oct-03		BIMODAL BURST SWITCHING
16040RO	US	11/858,373	7,756,141 Granted	20-Sep-07		BIMODAL BURST SWITCHING
16047AB	US	10/620,453	7,343,284 Granted	17-Jul-03	11-Mar-08	METHOD AND SYSTEM FOR SPEECH PROCESSING FOR ENHANCEMENT AND DETECTION
16053ID	US	10/447,909	7,330,463 Granted	28-May-03		ENTERPRISE VOICE OVER INTERNET PROTOCOL (VOIP) VIRTUAL PRIVATE NETWORK (VPN)
16056RR	US	10/701,716	7,477,734 Granted	4-Nov-03		PACKET SWITCHING DIALING PLAN INTERFACE TO/FROM PSTN NETWORKS
16064AB	US	10/688,642	7,369,546 Granted	17-Oct-03		METHOD AND APPARATUS FOR FAST DTMF DETECTION
16065RO	US	10/701,767	7,174,002 Granted	5-Nov-03		METHOD AND APPARATUS FOR ASCERTAINING THE CAPACITY OF A NETWORK SWITCH
16066RO	US	11/002,398	7,639,678 Granted	2-Dec-04		MULTIMODAL DATA SWITCH
16075ID	US	10/675,162	7,593,388 Granted	30-Sep-03		CONVERTOR SHARED BY MULTIPLE VIRTUAL PRIVATE NETWORKS
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16083RO	US	10/741,988	8,019,841		19-Dec-03		ZONING FOR DISTANCE PRICING AND NETWORK ENGINEERING IN CONNECTIONLESS AND CONNECTION-ORIENTED NETWORKS
16085RO	US	10/883,206	7,423,980		1-Jul-04		FULL MESH STATUS MONITOR
		12/190,146	7,646,732		12-Aug-08		FULL MESH STATUS MONITOR
		10/674,139	7,568,041		29-Sep-03		METHODS AND APPARATUS FOR SELECTING A MEDIA PROXY
16118RO	US	10/819,309	7,359,647		6-Apr-04		METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING POWER OVER OPTICAL FIBER
	US	10/723,841	8,407,777		26-Nov-03		SOCKS TUNNELING FOR FIREWALL TRAVERSAL
		13/804,239	#EMPTY	Filed	14-Mar-13		SOCKS TUNNELING FOR FIREWALL TRAVERSAL
	US	10/678,704	7,359,993		3-Oct-03		METHOD AND APPARATUS FOR INTERFACING EXTERNAL RESOURCES WITH A NETWORK ELEMENT
16182RO	US	10/682,467	7,397,792		9-Oct-03		VIRTUAL BURST-SWITCHING NETWORKS
16182RO	US	12/135,526	7,889,723		9-Jun-08		VIRTUAL BURST SWITCHING NETWORKS
	US	10/746,419	7,894,581		24-Dec-03		CONVERGENCE OF CIRCUIT-SWITCHED VOICE AND PACKET-BASED MEDIA SERVICES
	US	10/746,432	7,899,164		24-Dec-03		CONVERGENCE OF CIRCUIT-SWITCHED VOICE AND PACKET-BASED MEDIA SERVICES
16205RN	US	10/794,675	8,484,348		5-Mar-04		METHOD AND APPARATUS FOR FACILITATING FULFILLMENT OF WEB-SERVICE REQUESTS ON A COMMUNICATION NETWORK
16213RO	US	10/670,568	8,737,200		26-Sep-03	- '	MPLS/IP PSEUDO-WIRE AND LAYER-2 VIRTUAL PRIVATE NETWORK RESILIENCY
	US	10/610,373	7,281,051	1	30-Jun-03		APPARATUS, METHOD, AND COMPUTER PROGRAM FOR MANAGING RESOURCES IN A COMMUNICATION SYSTEM
16218RR	US	10/610,508	7,606,181	1	30-Jun-03		APPARAUTS, METHOD, AND COMPUTER PROGRAM FOR PROCESSING AUDIO INFORMATION IN A COMMUNICATION SYSTEM
16227RO	US	11/010,742	7,539,181		13-Dec-04	- '	BALANCED BUFFERLESS SWITCH
		12/427,067	8,139,570		21-Apr-09		BALANCED BUFFERLESS SWITCH
		10/606,687	7,899,174		26-Jun-03		EMERGENCY SERVICES FOR PACKET NETWORKS
16248RN	US	13/021,134	8,737,594	Granted	4-Feb-11		EMERGENCY SERVICES FOR PACKET NETWORKS
16259RR	US	10/878,274	7,477,606	Granted	28-Jun-04		SYSTEM AND METHOD FOR PATH FAILURE RECOVERY IN A COMMUNICATIONS ENVIRONMENT
16259RR	US	12/330,257	8,284,672	Granted	8-Dec-08	9-Oct-12	SYSTEM AND METHOD FOR PATH FAILURE RECOVERY IN A COMMUNICATIONS ENVIRONMENT
16285SS	US	10/891,172	8,223,792	Granted	14-Jul-04	17-Jul-12	ULTRA LOW COST ETHERNET ARCHITECTURE
16288AB	US	10/737,770	7,657,007	Granted	18-Dec-03	2-Feb-10	METHOD AND APPARATUS FOR INSTANT VOICE MESSAGING
16289RO	US	10/746,472	7,075,933	Granted	23-Dec-03	11-Jul-06	METHOD AND APPARATUS FOR IMPLEMENTING HUB-AND-SPOKE TOPOLOGY VIRTUAL PRIVATE NETWORKS
16327ID	US	10/697,464	7,643,412	Granted	30-Oct-03	5-Jan-10	MEDIA PROXY ABLE TO DETECT BLOCKING
16327ID	US	12/572,007	8,000,236	Granted	1-Oct-09	16-Aug-11	MEDIA PROXY ABLE TO DETECT BLOCKING
16328RO	US	10/967,575	7,366,120	Granted	18-Oct-04	29-Apr-08	METHOD AND APPARATUS FOR IMPROVING QUALITY OF SERVICE OVER MESHED BACKHAUL FACILITIES IN A WIRELESS NETWORK
16332RO	US	10/959,037	7,536,543	Granted	5-Oct-04	19-May-09	SYSTEM AND METHOD FOR AUTHENTICATION AND AUTHORIZATION USING A CENTRALIZED AUTHORITY
16336RO	US	10/960,154	7,315,940	Granted	7-Oct-04	1-Jan-08	RECOVERY OF A NETWORK ELEMENT AFTER A RESTART
16337RO	US	10/958,675	7,590,717	Granted	5-Oct-04	15-Sep-09	SINGLE IP ADDRESS FOR REDUNDANT SHELF PROCESSORS
16346BA	US	10/961,630	8,443,087	Granted	8-Oct-04	14-May-13	SYSTEM FOR MANAGING SESSIONS AND CONNECTIONS IN A NETWORK
16349RO	US	10/658,384	7,436,828	Granted	10-Sep-03	14-Oct-08	METHOD AND APPARATUS FOR LABEL SWITCHING DATA PACKETS
16353RO	US	10/723,831	7,302,258	Granted	26-Nov-03	27-Nov-07	CALL TRANSFER FOR AN INTEGRATED PACKET AND WIRELESS SERVICE USING A TEMPORARY DIRECTORY NUMBER
16358RO	US	10/723,808	#EMPTY	Filed	26-Nov-03	#EMPTY	PRESENCE REPORTING USING WIRELESS MESSAGING
16365RN	US	10/742,196	8,717,868	Granted	19-Dec-03	6-May-14	SELECTIVE PROCESSING OF A DAMAGED PACKETS
	US	10/827,181	8,081,566	Granted	19-Apr-04	20-Dec-11	METHOD AND APPARATUS FOR INDICATING CONGESTION IN A SOURCE ROUTED NETWORK
16377BA	US	10/661,657	7,519,834	Granted	12-Sep-03	14-Apr-09	SCALABLE METHOD AND APPARATUS FOR TRANSFORMING PACKETS TO ENABLE SECURE COMMUNICATION BETWEEN TWO STATIONS
16391RO	US	10/747,968	7,593,395	Granted	29-Dec-03	22-Sep-09	APPARATUS AND METHOD FOR DISTRIBUTING LAYER-2 VPN INFORMATION
16392RO	US	10/747,346	8,190,772		29-Dec-03	29-May-12	APPARATUS AND METHOD FOR LAYER-2 AND LAYER-3 VPN DISCOVERY
	US		#EMPTY	Filed	16-May-12		APPARATUS AND METHOD FOR LAYER-2 AND LAYER-3 VPN DISCOVERY
	US	10/721,335	7,613,179		26-Nov-03		TECHNIQUE FOR TRACING SOURCE ADDRESSES OF PACKETS
16404RO	US	10/772,433	7,697,681		6-Feb-04	13-Apr-10	PARALLELIZABLE INTEGRITY-AWARE ENCRYPTION TECHNIQUE
16404RO	US	12/750,086	8,503,670		30-Mar-10		PARALLELIZABLE INTEGRITY-AWARE ENCRYPTION TECHNIQUE
	US	10/794,104	7,492,932		5-Mar-04	-	METHOD AND APPARATUS FOR PROCESSING MEDICAL IMAGE DATA IN A NETWORK ENVIRONMENT
	US	10/891,982	7,493,040		15-Jul-04		METHOD AND APPARATUS FOR SECURING FIBER IN AN OPTICAL NETWORK
16422BA	US	12/350,333	8,000,601		8-Jan-09		METHOD AND APPARATUS FOR SECURING FIBER IN AN OPTICAL NETWORK
16423RO	US	10/739,299	7,917,649		19-Dec-03		TECHNIQUE FOR MONITORING SOURCE ADDRESSES THROUGH STATISTICAL CLUSTERING OF PACKETS
	US	10/705,274	7,324,506		10-Nov-03		USING DSL SERVICES TO FACILITATE REAL-TIME COMMUNICATIONS IN ENTERPRISE NETWORKS
	US	10/682,472	7,359,396		9-Oct-03		OPTICAL-CORE NETWORK WITH SELECTIVE SIGNAL QUEUEING
	US	10/744,769	8,819,265		22-Dec-03		MANAGING FLOW CONTROL BUFFER
	US	10/740,763	8,312,145		22-Dec-03	•	TRAFFIC ENGINEERING AND BANDWIDTH MANAGEMENT OF BUNDLED LINKS
	US	13/659,763	8,463,916		24-Oct-12		TRAFFIC ENGINEERING AND BANDWIDTH MANAGEMENT OF BUNDLED LINKS
20733310	22	201000,100	0,703,310	0.0.700	27-00-12	11-3011-13	The state of the s

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		39600000	Nances				
							SYSTEM AND METHOD FOR VIRTUALIZATION OF THE NETWORK MANAGEMENT AND CONTROL PLANES TO PROVIDE AN ABSTRACTED VIEW AND CONTROL OF UNDERLYING
16440BA	US	10/842,591	7,426,580		10-May-04		NETWORK RESOURCES
16460RO	US	10/742,039	7,814,222		19-Dec-03		QUEUE STATE MIRRORING
16471RO	US	10/740,416	7,581,093	Granted	22-Dec-03		HITLESS MANUAL CRYTOGRAPHIC KEY REFRESH IN SECURE PACKET NETWORKS
16471RO	US	12/482,187	8,082,441		10-Jun-09	20-Dec-11	HITLESS MANUAL CRYTOGRAPHIC KEY REFRESH IN SECURE PACKET NETWORKS
16471RO	US	13/299,997	8,631,228	Granted	18-Nov-11	14-Jan-14	HITLESS MANUAL CRYTOGRAPHIC KEY REFRESH IN SECURE PACKET NETWORKS
16482RO	US	10/952,619	8,064,341	Granted	29-Sep-04	22-Nov-11	THERMAL-SPATIAL BURST SWITCHING
16483BA	US	10/791,414	8,186,026	Granted	3-Mar-04	29-May-12	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS
16484RN	US	10/753,296	8,024,437	Granted	8-Jan-04	20-Sep-11	AUTODISCOVERY FOR VIRTUAL NETWORKS
16485AB	US	11/629,548	7,729,275	Granted	16-Jan-08	1-Jun-10	METHOD AND APPARATUS FOR NON-INTRUSIVE SINGLE-ENDED VOICE QUALITY ASSESSMENT IN VOIP
16492ID	US	10/692,233	7,876,745	Granted	23-Oct-03	25-Jan-11	TANDEM FREE OPERATION OVER PACKET NETWORKS
16495RN	US	10/749,828	7,567,661	Granted	31-Dec-03	28-Jul-09	TELEPHONY SERVICE INFORMATION MANAGEMENT SYSTEM
16498RN	US	10/895,557	7,313,228	Granted	21-Jul-04	25-Dec-07	DYNAMIC CALL PROCESSING CONTROL
16507RO	US	10/885,212	7,440,438	Granted	6-Jul-04	21-Oct-08	REFRESH AND FILTERING MECHANISMS FOR LDP BASED VPLS AND L2VPN SOLUTIONS
16509RN	US	10/805,975	#EMPTY	Filed	22-Mar-04	#EMPTY	SPEECH RECOGNITION IN AUTOMATED INFORMATION SERVICES SYSTEMS
16514RO	US	10/901,081	7,925,727	Granted	29-Jul-04	12-Apr-11	METHOD AND APPARATUS FOR EFFICIENT COMMUNICATION OF MANAGEMENT DATA IN A TELECOMMUNICATIONS NETWORK
16518RO	US	10/926,104	7,016,564	Granted	26-Aug-04	21-Mar-06	APPARATUS FOR SWITCHING OPTICAL SIGNALS
16519RO	US	10/921,953	7,366,370	Granted	20-Aug-04	29-Apr-08	TECHNIQUE FOR PHOTONIC SWITCHING
16519RO	US	12/060,616	7,574,080	Granted	1-Apr-08	11-Aug-09	TECHNIQUE FOR PHOTONIC SWITCHING
16520RN	US	10/866,482	8,108,444	Granted	12-Jun-04	31-Jan-12	BUDDY LISTS FOR INFORMATION VEHICLES
16521RN	US	10/866,622	8,139,738	Granted	12-Jun-04	20-Mar-12	TELEPHONE TO COMPUTATIONAL DEVICE ASSOCIATION
16521RN	US	13/404,508	8,861,696	Granted	24-Feb-12	14-Oct-14	TELEPHONE TO COMPUTATIONAL DEVICE ASSOCIATION
16538RN	US	10/693,539	7,844,270	Granted	24-Oct-03	30-Nov-10	CALL TRANSFER FOR AN INTEGRATED WIRELINE AND WIRELESS SERVICE USING A TEMPORARYDIRECTORY NUMBER
16566ID	US	10/911,378	#EMPTY	Filed	4-Aug-04	#EMPTY	NETWORK MANAGEMENT ACROSS A NAT OR FIREWALL
16572RO	US	10/868,536	7,764,688	Granted	15-Jun-04		ETHERNET DIFFERENTIATED SERVICES
16572RO	US	10/868,568	8,804,728		15-Jun-04	12-Aug-14	ETHERNET DIFFERENTIATED SERVICES CONDITIONING
16572RO	US	10/868,607	7,843,925		15-Jun-04		ETHERNET DIFFERENTIATED SERVICES ARCHITECTURE
16572RO	US	12/939,304	#EMPTY	Filed	4-Nov-10		ETHERNET DIFFERENTIATED SERVICES ARCHITECTURE
16572RO	US	12/939,304	8,687,633		4-Nov-10		ETHERNET DIFFERENTIATED SERVICES ARCHITECTURE
16582RO	US	10/885,279	8,116,286		6-Jul-04		COMBINED USER AGENT FOR PACKET-BASED COMMUNICATION CLIENTS
16582RO	US	13/327,829	8,320,349		16-Dec-11		COMBINED USER AGENT FOR PACKET-BASED COMMUNICATION CLIENTS
16585RO	US	10/804,740	7,466,681		19-Mar-04		METHOD AND APPARATUS FOR SENSOR NETWORK ROUTING
16591SC	US	10/902,639	7,680,263		29-Jul-04		AGENT DETECTOR, WITH OPTIONAL AGENT RECOGNITION AND LOG-IN CAPABILITIES, AND OPTIONAL PORTABLE CALL HISTORY STORAGE
16601RO	US	10/812,264	7,530,089		29-Mar-04		SYSTEM AND METHOD FOR IMPROVING VIDEO QUALITY USING A CONSTANT BIT RATE STREAM
16603RO	US	10/799,703	8,036,120		15-Mar-04		TECHNIQUE FOR ADMISSION CONTROL OF PACKET FLOWS
16603RO	US	13/269,667	8,531,948		10-Oct-11		TECHNIQUE FOR ADMISSION CONTROL OF PACKET FLOWS TECHNIQUE FOR ADMISSION CONTROL OF PACKET FLOWS
	US		8,339,963				TECHNIQUE FOR END-TO-END ADMISSION CONTROL OF REAL-TIME PACKET FLOWS
16604RO 16604RO	US	10/799,704	8,811,182		15-Mar-04 21-Nov-12		TECHNIQUE FOR END-TO-END ADMISSION CONTROL OF REAL-TIME PACKET FLOWS TECHNIQUE FOR END-TO-END ADMISSION CONTROL OF REAL-TIME PACKET FLOWS
	US						METHOD AND SYSTEM FOR FRAME RELAY AND ETHERNET SERVICE INTERWORKING
16605RO	_	10/990,899	7,417,995		17-Nov-04		METHOD AND SYSTEM FOR FRAME RELAY AND ETHERNET SERVICE INTERWORKING METHOD AND SYSTEM FOR ETHERNET AND FRAME RELAY NETWORK INTERWORKING
16605RO	US	11/008,709	7,333,508		9-Dec-04		METHOD AND SYSTEM FOR ETHERNET AND FRAME RELAY NET WORK INTERWORKING METHOD AND SYSTEM FOR ETHERNET AND ATM SERVICE INTERWORKING
16605RO	US	11/011,331	7,406,088		13-Dec-04		METHOD AND SYSTEM FOR ETHERNET TO ATM NETWORK INTERWORKING
16605RO	US	11/018,671	7,505,466		21-Dec-04	21 11101 00	
		10/872,582	7,912,072		21-Jun-04		COMMUNICATION WITH A REMOTE DEVICE
16615RO	US	10/824,226	7,447,165		14-Apr-04		ADAPTIVE DIALING
16616ID	US	10/940,459	7,580,630		14-Sep-04		SPECTRAL SHAPING FOR OPTICAL OFDM TRANSMISSION
16627SS	US	10/941,719	7,594,259		15-Sep-04		METHOD AND SYSTEM FOR ENABLING FIREWALL TRAVERSAL
16631RN	US	10/784,864	8,442,227		23-Feb-04		PROVIDING ADDITIONAL INFORMATION WITH SESSION REQUESTS
16655RO	US	10/900,369	8,139,602		28-Jul-04		SYSTEM, METHOD AND DEVICE FOR HIGH BIT RATE DATA COMMUNICATION OVER TWISTED PAIR CABLES
16655RO	US	13/399,456	8,644,332		17-Feb-12		SYSTEM, METHOD AND DEVICE FOR HIGH BIT RATE DATA COMMUNICATINO OVER TWISTED PAIR CABLES
16667RO	US	10/821,090	7,480,730	1	8-Apr-04		CREDIT RECOVERY IN A CREDIT BASED FLOW CONTROL SYSTEM
16670ID	US	10/593,108	#EMPTY	Filed	6-Apr-05		DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670ID	US	11/169,718	8,422,500		30-Jun-05		VLAN SUPPORT OF DIFFERENTIATED SERVICES
16670ID	US	12/196,909	8,194,668	Granted	22-Aug-08		DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670ID	US	13/683,672	#EMPTY	Filed	21-Nov-12	#EMPTY	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS

		AND THE RESERVE	Appropriates (Appropriates	Sept Sect See	
	Cacarre	Skorcer	Skoroes		
16672RO	US	10/859,994	8,213,422 Granted	4-Jun-04	3-Jul-12 SELECTIVE INTERNET PRIORITY SERVICE
16672RO	US	13/488,132	8,599,695 Granted	4-Jun-12	12 3-Dec-13 SELECTIVE INTERNET PRIORITY SERVICE
16673RO	US	10/819,349	7,376,836 Granted	7-Apr-04	20-May-08 SYSTEMS AND METHODS FOR PREVENTING AN ATTACK ON HEALTHCARE DATA PROCESSING RESOURCES IN A HOSPITAL INFORMATION SYSTEM
16678RO	US	10/881,296	7,924,725 Granted	30-Jun-04	12-Apr-11 ETHERNET OAM PERFORMANCE MANAGEMENT
16678RO	US	13/047,128	#EMPTY Filed	14-Mar-11	11 #EMPTY ETHERNET OAM PERFORMANCE MANAGEMENT
16692RO	US	10/955,162	8,146,145 Granted	30-Sep-04	27-Mar-12 METHOD AND APPARATUS FOR ENABLING ENHANCED CONTROL OF TRAFFIC PROPAGATION THROUGH A NETWORK FIREWALL
16708RO	US	10/883,207	7,684,322 Granted	1-Jul-04	23-Mar-10 FLOW ADMISSION CONTROL IN AN IP NETWORK
16708RO	US	12/728,459	8,081,571 Granted	22-Mar-10	10 20-Dec 11 FLOW ADMISSION CONTROL IN AN IP NETWORK
16708RO	US	13/330,042	8,908,509 Granted	19-Dec-11	
16713RR	US	10/978,385	7,154,995 Granted	2-Nov-04	
16716RO	US	10/810,244	7,680,934 Granted	26-Mar-04	
16716RO	US	12/723,010	8,560,697 Granted	12-Mar-10	
16720SS	US	10/852,317	7,394,808 Granted	24-May-04	
16747BA	US	10/851,032	8,107,363 Granted	21-May-04	
16747BA	US	13/360,860	8,493,845 Granted	30-Jan-12	
16747BA	US	13/360,867	8,625,414 Granted	30-Jan-12	
16770BA	US	10/946,322	8,594,323 Granted	21-Sep-04	
16773BA	US	10/902,634	7,929,443 Granted	29-Jul-04	
16776RO	US	10/937,573	7,653,189 Granted	9-Sep-04	
16783SC	US	10/858,979	8,045,697 Granted	2-Jun-04	
16783SC	US	13/474,210	8,824,662 Granted	17-May-12	
16788RO	US	10/944,565	8,862,570 Granted	17-Sep-04	
16804RO		11/014,962	7,515,434 Granted	20-Dec-04	
16809RO	US	10/929,461	7,936,881 Granted	31-Aug-04	
16809RO	US	13/091,870	#EMPTY Filed		11 #EMPTY METHOD AND SYSTEM FOR TRANSMITTING SIGNALING INFORMATION OVER A DATA TRANSPORT NETWORK
16815RO	_	11/010,741	7,646,725 Granted	13-Dec-04	
16840RO	US	10/858,076	7,701,948 Granted	2-Jun-04	
16840RO	US	12/715,752	8,089,969 Granted	2-Mar-10	
16852RO	US	11/101,993	7,535,842 Granted	8-Apr-05	
16874RO	US	10/890,054	7,432,776 Granted	13-Jul-04	34 7-Oct-08 DIELECTRIC-FILLED TRANSMISSION LINES SYSTEM AND METHOD FOR TRANSLATING APPLICATION PROGRAM NETWORK SERVICE REQUESTS INTO ACTIONS AND PERFORMING THOSE ACTIONS THROUGH THE
16880BA	US	10/842,129	7,664,838 Granted	10-May-04	
10000071		10/0/2/25	7,00 1,000 0101100	10 may 01	SYSTEM AND METHOD FOR TRANSLATING APPLICATION PROGRAM NETWORK SERVICE REQUESTS INTO ACTIONS AND PERFORMING THOSE ACTIONS THROUGH THE
16880BA	US	12/643,936	7,984,154 Granted	21-Dec-09	
					SYSTEM AND METHOD FOR TRANSLATING APPLICATION PROGRAM NETWORK SERVICE REQUESTS INTO ACTIONS AND PERFORMING THOSE ACTIONS THROUGH THE
16880BA	US	13/156,178	#EMPTY Filed		11 #EMPTY MANAGEMENT AND/OR CONTROL PLANE RESPONSIVE TO PREVIOUSLYDEFINED POLICIES AND PREVIOUS REQUESTS BY THE SAME OR ANOTHER APP
16882RO	US	10/924,512	8,571,019 Granted	23-Aug-04	
16889RO	US	11/105,843	8,370,917 Granted	14-Apr-05	
16891RR	US	10/991,791	8,364,807 Granted	18-Nov-04	
16891RR	US	13/370,641	#EMPTY Filed		12 HEMPTY IDENTIFYING AND CONTROLLING NETWORK SESSIONS VIA AN ACCESS CONCENTRATION POINT
16898RO	US	10/910,685	7,463,584 Granted	3-Aug-04	
16899RR	US	11/069,656	7,633,972 Granted	1-Mar-05	
16904RO	_	11/137,015	8,862,943 Granted	25-May-05	
16905RO	_	11/025,077	7,602,771 Granted	30-Dec-04	
16905RO	US	12/547,934	8,130,753 Granted	26-Aug-09	
16905RO	US	13/396,974	8,605,717 Granted	15-Feb-12	
16922RO	US	11/013,022	8,670,315 Granted	15-Dec-04	
16927RN	US	11/018,359	#EMPTY Filed		AND REPORT MEDIA CAPABILITY SELECTION
16935BA	US	11/325,818	7,975,140 Granted	5-Jan-06	
16966RO	US	10/889,484	7,568,047 Granted	12-Jul-04	
16966RO	_	10/889,647	8,200,839 Granted	12-Jul-04	
16979RR	US	10/915,384	7,349,699 Granted	11-Aug-04	
16981BA	US	11/001,815	7,590,074 Granted	2-Dec-04	
16989RO	US	10/592,623	7,688,849 Granted	26-Oct-07	
16989RO	US	12/750,208	8,665,900 Granted	30-Mar-10	4-Mar-14 METHOD AND SYSTEM FOR QUALITY OF SERVICE SUPPORT FOR ETHERNET MULTISERVICE INTERWORKING OVER MULTIPROTOCOL LABEL SWITCHING

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16991ID	JS	10/964,466	8,291,044	Granted	13-Oct-04	16-Ort-12	BROKERING NETWORK RESOURCES
-		13/652,109	8,738,741		15-Oct-12		BROKERING NETWORK RESOURCES
-		10/975,066	7,333,827		13-Oct-04		RESTRICTED DISSEMINATION OF TOPOLOGY INFORMATION IN A COMMUNICATION NETWORK
-		11/142,125	7,586,848		1-Jun-05	8-Sep-09	ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
-		12/512,363	8,179,800		30-Jul-09		ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17024MD U		13/459,645	8,498,209		30-Apr-12	30-Jul-13	ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17024MD U	JS	13/933,305	8,913,500	Granted	2-Jul-13 #	EMPTY	ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17024MD U	JS	14/300,516	#EMPTY	Filed	10-Jun-14 #	tempty	ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17028RR U	JS	11/241,462	7,715,341	Granted	30-Sep-05	11-May-10	OPTIMIZED SCHEDULING METHOD FOR DELAY-SENSITIVE TRAFFIC ON HIGH SPEED SHARED PACKET DATA CHANNELS
17028RR U	JS	12/767,887	8,750,329	Granted	27-Apr-10	10-Jun-14	OPTIMIZED SCHEDULING METHOD FOR DELAY-SENSITIVE TRAFFIC ON HIGH SPEED SHARED PACKET DATA CHANNELS
17034SS U	JS	11/287,583	7,876,749	Granted	23-Nov-05	25-Jan-11	CROSS-CONNECT USING ETHERNET MULTIPLEXORS FOR A SIMPLE METRO ETHERNET NETWORK
17034SS L	JS	13/012,522	#EMPTY	Filed	24-Jan-11	EMPTY	CROSS-CONNECT USING ETHERNET MULTIPLEXORS FOR A SIMPLE METRO ETHERNET NETWORK
17049ID U	JS	10/955,496	7,471,669	Granted	30-Sep-04	30-Dec-08	ROUTING OF PROTOCOL DATA UNITS WITHIN A COMMUNICATION NETWORK
17078SC U	JS	10/994,542	7,756,259	Granted	22-Nov-04	13-Jul-10	ENHANCED CALLER IDENTIFICATION USING CALLER READABLE DEVICES
17078SC U	JS	12/784,596	8,194,835	Granted	21-May-10	5-Jun-12	ENHANCED CALLER IDENTIFICATION USING CALLER READABLE DEVICES
17078SC U	JS	13/475,480	8,873,724	Granted	18-May-12	28-Oct-14	ENHANCED CALLER IDENTIFICATION USING CALLER READABLE DEVICES
17095RN U	JS	11/313,898	8,745,181	Granted	21-Dec-05	3-Jun-14	GENERIC SNMP INFORMATION COLLECTION
17104RO U	JS	10/926,294	7,197,213	Granted	26-Aug-04	27-Mar-07	SYSTEM AND METHOD FOR CONTROLLING DEFLECTION OF OPTICAL BEAMS
17105RO U	JS	10/925,943	7,245,798	Granted	26-Aug-04	17-Jul-07	APPARATUS FOR REDIRECTING OPTICAL SIGNALS IN FREE SPACE
17115RO U	JS	11/220,126	7,573,826	Granted	6-Sep-05	11-Aug-09	DARWINIAN NETWORK
17154SS U	JS	11/159,065	8,855,122	Granted	22-Jun-05	7-0ct-14	BACKBONE PROVIDER BRIDGING NETWORKS
17161RO U	JS	11/167,883	8,289,964	Granted	27-Jun-05	16-Oct-12	LAYER-2 TO MPLS SERVICE MEDIATION ARCHITECTURE
17161RO U	JS	13/566,221	8,594,097	Granted	3-Aug-12	26-Nov-13	LAYER-2 TO MPLS SERVICE MEDIATION ARCHITECTURE
17163RO U	JS	11/024,692	8,718,057	Granted	30-Dec-04	6-May-14	ETHERNET LAN SERVICE ENHANCEMENTS
17164RR L	JS	10/954,049	8,477,605	Granted	29-Sep-04	2-Jul-13	PREVENTING ILLICIT COMMUNICATIONS
17173AB U	JS	11/316,268	8,464,210	Granted	22-Dec-05	11-Jun-13	SOFTWARE DEVELOPMENT AND TESTING ENVIRONMENT
17222ID U	JS	11/010,908	7,639,633	Granted	13-Dec-04	29-Dec-09	APPARATUS AND METHOD FOR SETTING UP A CONFERENCE CALL
17234ID U	JS	11/018,265	7,535,838	Granted	21-Dec-04	19-May-09	METHOD FOR DETERMINING RESOURCE USE IN A NETWORK
17245RN U	JS	10/960,259	7,533,418	Granted	7-Oct-04	12-May-09	TOKENS FOR CONTACT INFORMATION
17268ID U	JS	11/577,472	8,229,100	Granted	2-Jul-07	24-Jul-12	CALL PRIORITIZATION METHODS IN A CALL CENTER
17268ID	JS	13/523,399	#EMPTY	Filed	14-Jun-12	/EMPTY	IMPROVEMENTS IN OR RELATING TO CALL PRIORITISATION METHODS IN A CALL CENTER
17273RO U	JS	11/153,650	7,609,968	Granted	15-Jun-05	27-Oct-09	SECURE ANALOG COMMUNICATIONS SYSTEM USING TIME AND WAVELENGTH SCRAMBLING
17277RO U	JS	11/295,921	7,787,494	Granted	7-Dec-05	31-Aug-10	METHOD AND APPARATUS FOR ASSIGNING AND ALLOCATING NETWORK RESOURCES TO PACKET-BASED VIRTUAL PRIVATE NETWORKS
17277RO U	JS	12/857,860	8,199,773	Granted	17-Aug-10	12-Jun-12	METHOD AND APPARATUS FOR ASSIGNING AND ALLOCATING NETWORK RESOURCES TO PACKET-BASED VIRTUAL PRIVATE NETWORKS
17330RO U	JS	11/269,358	8,417,633	Granted	8-Nov-05	9-Apr-13	ENABLING IMPROVED PROTECTION OF CONSUMER INFORMATION IN ELECTRONIC TRANSACTIONS
17330RO L	JS	13/858,435	#EMPTY	Filed	8-Apr-13	#EMPTY	METHOD AND APPARATUS ENABLING IMPROVED PROTECTION OF CONSUMER INFORMATION IN ELECTRONIC TRANSACTIONS
17376RO L	JS	11/262,664	8,315,255	Granted	31-Oct-05	20-Nov-12	PSEUDO WIRE MERGE FOR IPTV
17386RO L	JS	11/287,131	8,036,956	Granted	23-Nov-05	11-0ct-11	SECURE, DIFFERENTIATED READING OF SENSORS AND RFID TAGS
17386RO U	JS	13/245,156	8,401,933	Granted	26-Sep-11	19-Mar-13	SECURE DIFFERENTIATED READING OF SENSORS AND RFID TAGS
17396RO U	JS	11/526,548	8,428,071	Granted	25-Sep-06	23-Apr-13	SCALABLE OPTICAL-CORE NETWORK
17425RO U	JS	11/211,158	7,519,053	Granted	24-Aug-05	14-Apr-09	MULTI-SPEED ROTORSWITCH
17474RO U	JS	11/280,615	8,464,299	Granted	16-Nov-05	11-Jun-13	RESOURCE CONSERVATION FOR PACKET TELEVISION SERVICES
17476RO U	JS	11/186,092	8,369,322	Granted	21-Jul-05	5-Feb-13	TANDEM CALL ADMISSION CONTROL BY PROXY FOR USE WITH NON-HOP-BY-HOP VOIP SIGNALING PROTOCOLS
17476RO L	JS	13/739,903	8,588,230	Granted	11-Jan-13	19-Nov-13	TANDEM CALL ADMISSION CONTROL BY PROXY FOR USE WITH NON-HOP-BY-HOP VOIP SIGNALING PROTOCOLS
17508RO L	JS	11/236,230	7,813,409	Granted	27-Sep-05	12-Oct-10	SECURE NETWORK USING ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SPREAD SPECTRUM COMMUNICATIONS
17510SS L	JS	11/305,555	7,672,236	Granted	16-Dec-05	2-Mar-10	METHOD AND ARCHITECTURE FOR A SCALABLE APPLICATION AND SECURITY SWITCH USING MULTI-LEVEL LOAD BALANCING
17510SS U	JS	12/685,505	8,130,645	Granted	11-Jan-10	6-Mar-12	METHOD AND ARCHITECTURE FOR A SCALABLE APPLICATION AND SECURITY SWITCH USING MULTI-LEVEL LOAD BALANCING
17510SS U	JS	13/267,667	8,477,613	Granted	6-Oct-11	2-Jul-13	METHOD AND ARCHITECTURE FOR A SCALABLE APPLICATION AND SECURITY SWITCH USING MULTI-LEVEL LOAD BALANCING
17518RO L	JS	11/814,290	8,045,492	Granted	19-Jul-07	25-Oct-11	DYNAMIC ESTABLISHMENT OF VIRTUAL CIRCUITS USING MULTI-SEGMENT PSEUDOWIRES
17518RO U	JS	13/275,956	8,787,218	Granted	18-Oct-11	22-Jul-14	DYNAMIC ESTABLISHMENT OF VIRTUAL CIRCUITS USING MULTISEGMENT PSEUDOWIRES
17519RO U	JS	11/315,715	7,590,110	Granted	22-Dec-05	15-Sep-09	BALANCED HIGH-CAPACITY SWITCH
17542RO U	JS	11/377,128	8,687,628	Granted	16-Mar-06	1-Apr-14	SCALABLE BALANCED SWITCHES
17559RN L	JS	11/268,845	8,756,326	Granted	8-Nov-05	17-Jun-14	USING INTERACTIVE COMMUNICATION SESSIONS COOKIES IN WEB SESSIONS
17570RO L	JS	11/271,939	7,623,446	Granted	14-Nov-05	24-Nov-09	MPLS VIRTUAL RINGS

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	e ore				
17620BA	US	11/241,612	7,869,442 Granted	30-Sep-05	5 11-Jan-11 METHOD AND APPARATUS FOR SPECIPYING IP TERMINATION IN A NETWORK ELEMENT
17620BA	US	11/646,693	7,643,496 Granted	28-Dec-06	6 5-Jan-10 APPLICATION SPECIFIED STEERING POLICY IMPLEMENTATION
17624RO	US	11/242,029	7,406,060 Granted	4-Oct-05	5 29-Jul-08 COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH FIXED INFRASTRUCTURE BASED RELAYS
17624RO	US	12/119,817	8,520,569 Granted	13-May-08	8 27-Aug-13 COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH FIXED INFRASTRUCTURE BASED RELAYS
17659SS	US	11/314,678	8,699,354 Granted	21-Dec-05	5 15-Apr-14 METHOD AND APPARATUS FOR DETECTING A FAULT ON AN OPTICAL FIBER
17661RO	US	11/303,990	#EMPTY Filed	19-Dec-05	HEMPTY COMPACT FLOATING POINT DELTA ENCODING FOR COMPLEX DATA
17685SS	US	11/265,759	7,707,269 Granted	2-Nov-05	5 27-Apr-10 INTERFACING BETWEEN A COMMAND LINE INTERFACE-BASED APPLICATION PROGRAM AND A REMOTE NETWORK DEVICE
17685SS	US	12/732,043	8,161,140 Granted	25-Mar-10	17-Apr-12 INTERFACING BETWEEN A COMMAND LINE INTERFACE-BASED APPLICATION PROGRAM AND A REMOTE NETWORK DEVICE
17685SS	US	13/449,143	8,417,803 Granted	17-Apr-12	9-Apr-13 INTERFACING BETWEEN A COMMAND LINE INTERFACE-BASED APPLICATION PROGRAM AND A REMOTE NETWORK DEVICE
17686RO	US	11/241,145	7,466,985 Granted	30-Sep-05	16-Dec-08 NETWORK ELEMENT FOR IMPLEMENTING SCHEDULED HIGH-POWER PTP AND LOW-POWER PTMP TRANSMISSION
17692RR	US	11/388,276	8,203,993 Granted	24-Mar-06	6 19-Jun-12 PROVIDING IMPROVED POST-DIAL DELAY AT AN ORIGINATING TERMINAL
17692RR	US	11/388,379	8,902,879 Granted	24-Mar-06	6 2-Dec-14 GENERATING A COMFORT INDICATOR AT AN ORIGINATING TERMINAL
17692RR	US	13/523,275	8,848,612 Granted	14-Jun-12	2 30-Sep-14 PROVIDING IMPROVED POST-DIAL DELAY AT AN ORIGINATING TERMINAL
17700RR	US	11/313,338	8,233,384 Granted	21-Dec-05	5 31-Jul-12 GEOGRAPHIC REDUNDANCY IN COMMUNICATION NETWORKS
17717RO	US	11/338,118	7,995,569 Granted	23-Jan-06	6 9-Aug-11 VIRTUAL ROUTERS FOR GMPLS NETWORKS
17724RO	US	11/172,100	7,590,210 Granted	30-Jun-05	5 15-Sep-09 METHOD AND APPARATUS FOR SYNCHRONIZATION INTERNAL STATE OF FREQUENCYGENERATORS ON A COMMUNICATIONS NETWORK
17735RO	US	11/262,665	8,331,360 Granted	31-Oct-05	5 11-Dec-12 METHOD AND APPARATUS FOR LAYER 2 FAST RE-CONFIGURATION IN A ROUTING BRIDGE NETWORK
17736RO	US	11/328,199	7,522,841 Granted	10-Jan-06	6 21-Apr-09 EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS
17743HU	US	11/325,064	8,369,329 Granted	3-Jan-06	6 5-Feb-13 DYNAMIC HIERARCHICAL ADDRESS RESOURCE MANAGEMENT ARCHITECTURE, METHOD AND APPARATUS
17769RO	US	11/526,789	8,327,427 Granted	25-Sep-06	6 4-Dec-12 SYSTEM AND METHOD FOR TRANSPARENT SINGLE SIGN-ON
17775ID	US	11/223,246	8,498,297 Granted	26-Aug-05	5 30-Jul-13 FORWARDING TABLE MINIMISATION IN ETHERNET SWITCHES
17780ID	US	11/264,634	7,697,528 Granted	1-Nov-05	5 13-Apr-10 MULTILINK TRUNKING FOR ENCAPSULATED TRAFFIC
17786RO	US	11/303,989	#EMPTY Filed	19-Dec-05	HEMPTY METHOD AND SYSTEM FOR ENHANCING COLLABORATION
17790RO	US	11/239,111	7,639,631 Granted	30-Sep-05	5 29-Dec-09 Parallel Constraint based Path Computation Using Path Vector
17791RO	US	11/481,826	7,787,628 Granted	7-Jul-06	6 31-Aug-10 DOUBLE PHASE ENCODING QUANTUM KEY DISTRIBUTION
17792RO	US	11/280,428	8,161,549 Granted	17-Nov-05	5 17-Apr-12 METHOD FOR DEFENDING AGAINST DENIAL-OF-SERVICE ATTACK ON THE IPV6 NEIGHBOR CACHE
17792RO	US	13/421,390	8,869,278 Granted	15-Mar-12	2 21-Oct-14 METHOD FOR DEFENDING AGAINST DENIAL-OF-SERVICE ATTACK ON THE IPV6 NEIGHBOR CACHE
17796RO	US	11/304,043	8,818,897 Granted	15-Dec-05	5 26-Aug-14 System and method for validation and enforcement of application security
17812BA	US	11/297,822	7,936,680 Granted	8-Dec-05	3-May-11 METHOD AND APPARATUS FOR INCREASING THE SCALABILITY OF ETHERNET OAM
17812BA	US	13/078,503	8,811,181 Granted	1-Apr-11	1 19-Aug-14 METHOD AND APPARATUS FOR INCREASING THE SCALABILITY OF THE ETHERNET OAM
17812BA	US	14/267,365	#EMPTY Filed	1-May-14	REMPTY METHOD AND APPARATUS FOR INCREASING THE SCALABILITY OF ETHERNET OAM
17815RO	US	11/481,906	7,760,883 Granted	7-Jul-06	6 20-Jul-10 ANY-POINT-TO-ANY-POINT (AP2AP) QUANTUM KEY DISTRIBUTION PROTOCOL FOR OPTICAL RING NETWORK
17816RO	US	11/392,908	8,160,453 Granted	30-Mar-06	6 17-Apr-12 PROTECTION SWITCHING WITH TRANSMITTER COMPENSATION FUNCTION
17816RO	US	13/446,278	8,682,179 Granted	13-Apr-12	2 25-Mar-14 PROTECTION SWITCHING WITH TRANSMITTER COMPENSATION FUNCTION
17816RO	US	14/177,865	8,879,904 Granted	11-Feb-14	4 4-Nov-14 PROTECTION SWITCHING WITH TRANSMITTER COMPENSATION FUNCTION
17829RO	US	11/304,019	8,045,475 Granted	15-Dec-05	5 25-Oct-11 METHOD AND APPARATUS FOR PROVIDING AVAILABILITY METRICS FORMEASUREMENT AND MANAGEMENT OF ETHERNET SERVICES
17829RO	US	13/269,724	8,520,530 Granted	10-Oct-11	1 27-Aug-13 METHOD AND APPARATUS FOR PROVIDING AVAILABILITY METRICS FORMEASUREMENT AND MANAGEMENT OF ETHERNET SERVICES
17833RO		11/479,694	8,369,330 Granted	30-Jun-06	5-Feb-13 PROVIDER BACKBONE BRIDGING-PROVIDER BACKBONE TRANSPORT INTERNETWORKING
17833RO		13/715,421	8,553,697 Granted	14-Dec-12	
17838RO	US	11/305,979	7,467,069 Granted	19-Dec-05	
17842RO	US	11/311,102	8,146,157 Granted	19-Dec-05	
17842RO		13/429,483	#EMPTY Filed	26-Mar-12	
17856RO	_	12/790,937	8,180,056 Granted	31-May-10	
17861RO	_	11/289,182	8,199,743 Granted	29-Nov-05	
17865RO	US	11/312,613	#EMPTY Filed	20-Dec-05	
17884RR		11/438,565	7,620,390 Granted	22-May-06	
17899RO	_	11/533,940	7,769,305 Granted	21-Sep-06	
17910RN	_	11/316,430	7,587,031 Granted	22-Dec-05	
17910RN	US	12/509,528	8,233,591 Granted	27-Jul-09	
17910RN	US	13/539,801	8,705,517 Granted	2-Jul-12	
17913ID	_	11/343,996	7,756,035 Granted	31-Jan-06	
17913ID	US	12/752,228	8,238,245 Granted	1-Apr-10	
17922SC	_	11/291,300	7,292,121 Granted	1-Dec-05	
17932RO	US	11/427,522	7,676,154 Granted	29-Jun-06	9-Mar-10 METHOD AND SYSTEM FOR CONFIGURING A CONNECTION-ORIENTED PACKET NETWORK OVER A WAVELENGTH DIVISION MULTIPLEXED OPTICAL NETWORK

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17932RO	US	12/609,039	7,925,161 Granted	30-Oct-09	[0] 12-Agr-11] METHOD AND SYSTEM FOR CONFIGURING A CONNECTION-ORIENTED PACKET NETWORK OVER A WAVELENGTH DIVISION MULTIPLEXED OPTICAL NETWORK
17935RO		11/996,561	7,821,949 Granted	23-Jan-08	
17938RO	_	11/391,537	7,742,507 Granted	28-Mar-06	
17938RO	_	12/786,826	8,451,870 Granted	25-May-10	
17965BA		11/469,404	8,146,090 Granted	31-Aug-06	
17965BA		13/423,774	#EMPTY Filed	19-Mar-12	
17999RO		11/580,796	7,710,901 Granted	13-Oct-06	
18000RO		11/379,595	7,995,727 Granted	21-Apr-06	
18000RO		13/171,921	8,515,038 Granted	29-Jun-11	
18006BA		11/313,637	8,085,670 Granted	21-Dec-05	05 27-Dec-11 METHOD AND SYSTEM FOR ORIGINATING CONNECTIVITY FAULT MANAGEMENT (CFM) FRAMES ON NON-CFM AWARE SWITCHES
18017SS	US	11/305,951	8,121,839 Granted	19-Dec-05	05 21-Feb-12 METHOD AND APPARATUS FOR DETECTING UNSOLICITED MULTIMEDIA COMMUNICATIONS
18017SS	US	13/400,274	8,457,960 Granted	20-Feb-12	12 4-Jun-13 METHOD AND APPARATUS FOR DETECTING UNSOLICITED MULTIMEDIA COMMUNICATIONS
18020RO	US	11/540,023	7,746,892 Granted	30-Sep-06	06 29-Jun-10 METHOD AND APPARATUS FOR TRANSPORTING ETHERNET SERVICE
18020RO	US	12/785,527	8,085,811 Granted	24-May-10	10 27-Dec-11 METHOD AND APPARATUS FOR TRANSPORTING ETHERNET SERVICES
18020RO	US	13/287,181	8,588,237 Granted	2-Nov-11	11 19-Nov-13 METHOD AND APPARATUS FOR TRANSPORTING ETHERNET SERVICES
18041RO	US	11/395,834	7,826,598 Granted	31-Mar-06	2-Nov-10 METHOD, SYSTEM AND APPARATUS FOR IDENTIFYING AN EMERGENCY SERVICE LOCATION OF AN INTERNET PROTOCOL TELEPHONE CLIENT
18042RO	US	11/512,671	8,264,949 Granted	30-Aug-06	D6 11-Sep-12 METHOD AND APPARATUS FOR SELECTING BETWEEN AVAILABLE NEIGHBORS IN A RAPID ALTERNATE PATH CALCULATION
18044RO	US	11/410,747	8,254,263 Granted	25-Apr-06	28-Aug-12 METHOD AND APPARATUS FOR SIMPLIFYING THE COMPUTATION OF ALTERNATE NETWORK PATHS
18054RO	US	11/427,887	8,122,110 Granted	30-Jun-06	26 21-Feb-12 ACTIVE CONFIGURATION TEMPLATING
18059RO	US	11/481,076	8,090,944 Granted	5-Jul-06	06 3-Jan-12 METHOD AND APPARATUS FOR AUTHENTICATING USERS OF AN EMERGENCY COMMUNICATION NETWORK
18082RO	US	11/502,509	8,521,186 Granted	11-Aug-06	27-Aug-13 METHOD AND DEVICE FOR DETERMINING LOCATION-ENHANCED PRESENCE INFORMATION FOR ENTITIES SUBSCRIBED TO A COMMUNICATIONS SYSTEM
18089ID	US	11/395,110	8,121,269 Granted	31-Mar-06	06 21-Feb-12 SYSTEM AND METHOD FOR AUTOMATICALLY MANAGING PARTICIPATION AT A MEETING
18095RO	US	11/410,748	8,312,016 Granted	25-Apr-06	06 13-Nov-12 METHOD AND APPARATUS FOR DOCUMENT MATCHING
18095RO	US	13/663,544	8,694,500 Granted	30-Oct-12	12 8-Apr: 14 METHOD AND APPARATUS FOR DOCUMENT MATCHING
18120ID	US	11/395,601	8,849,907 Granted	31-Mar-06	30-Sep-14 SYSTEM AND METHOD FOR NOTIFYING PARTICIPANTS OF TOPICS IN AN ONGOING MEETING OR CONFERENCE
18123RO	US	11/432,624	8,059,656 Granted	12-May-06	D6 15-Nov-11 EXPEDITED RESOURCE NEGOTIATION IN SIP
18132HU	US	11/524,215	7,764,677 Granted	20-Sep-06	27-Jul-10 METHOD AND SYSTEM FOR POLICY-BASED ADDRESS ALLOCATION FOR SECURE UNIQUE LOCAL NETWORKS
18134RO	US	11/525,615	7,974,771 Granted	22-Sep-06	06 5-Jul-11 METHOD AND APPARATUS FOR ENABLING COMMUTER GROUPS
18134RO	US	13/164,212	8,150,608 Granted	20-Jun-11	11 3-Apr-12 METHOD AND APPARATUS FOR ENABLING COMMUTER GROUPS
18134RO	US	13/433,399	8,340,890 Granted	29-Mar-12	12 25-Dec-12 METHOD AND APPARATUS FOR ENABLING COMMUTER GROUPS
18134RO	US	13/721,383	8,660,781 Granted	20-Dec-12	12 25-Feb-14 METHOD AND APPARATUS FOR ENABLING COMMUTER GROUPS
18136RO	US	11/365,024	7,639,698 Granted	1-Mar-06	06 29-Dec-09 TRUSTED MULTIMEDIA COMMUNICATIONS
18161RO	US	11/693,916	7,913,277 Granted	30-Mar-07	07 22-Mar-11 METADATA EXTRACTION AND RE-INSERTION AND IMPROVED TRANSCODING IN DIGITAL MEDIA SYSTEMS
18165ID	US	11/845,930	8,325,611 Granted	28-Aug-07	07 4-Dec-12 SCALING OAM FOR POINT-TO-POINT TRUNKING
18165ID	US	13/676,472	8,854,975 Granted	14-Nov-12	12 7-Oct:14 SCALING OAM FOR POINT-TO-POINT TRUNKING
18179RO	US	11/955,888	8,085,676 Granted	13-Dec-07	07 27-Dec-11 METHOD AND SYSTEM FOR LOOPING BACK TRAFFIC IN QIQ ETHERNET RINGS AND 1:1 PROTECTED PBT TRUNKS
18181HU	US	11/474,648	7,653,065 Granted	26-Jun-06	06 26-Jan-10 METHOD AND SYSTEM FOR INTERNET PROTOCOL ADDRESS CONCATENATION
18195SS	US	11/476,299	8,284,675 Granted	28-Jun-06	9-Oct-12 METHOD AND SYSTEM FOR AUTOMATED CALL TROUBLESHOOTING AND RESOLUTION
18196RO	US	11/512,854	8,321,507 Granted	30-Aug-06	06 27-Nov-12 DISTRIBUTION OF XML DOCUMENTS/MESSAGES TO XML APPLICANCES/ROUTERS
18196RO	US	13/679,276	8,533,267 Granted	16-Nov-12	12 10-Sep-13 #EMPTY
18196RO	US	14/019,608	8,838,692 Granted	6-Sep-13	13 16-Sep-14 DISTRIBUTION OF XML DOCUMENTS/MESSAGES TO XML APPLICANCES/ROUTERS
18196RO	US	14/469,086	#EMPTY Filed	26-Aug-14	14 #EMPTY DISTRIBUTION OF XML DOCUMENTS/MESSAGES TO XML APPLICANCES/ROUTERS
18201HU	US	11/540,272	8,176,525 Granted	29-Sep-06	06 8-May-12 METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS
18206RN	US	11/531,562	8,045,054 Granted	13-Sep-06	06 25-Oct-11 CLOSED CAPTIONING LANGUAGE TRANSLATION
18207FR	US	11/582,683	8,200,967 Granted	18-Oct-06	06 12-Jun-12 METHOD OF CONFIGURING A NODE, RELATED NODE AND CONFIGURATION SERVER
18211AB	US	11/629,547	8,305,913 Granted	1-Feb-08	08 6-Nov-12 METHOD AND APPARATUS FOR NON-INTRUSIVE SINGLE-ENDED VOICE QUALITY ASSESSMENT IN VOIP
18216RO	US	12/278,294	8,331,243 Granted	6-Aug-08	08 11-Dec-12 MULTI-PROTOCOL SUPPORT OVER ETHERNET PACKET-SWITCHED NETWORKS
18216RO	US	13/110,380	8,483,229 Granted	18-May-11	
18216RO	US	13/933,330	#EMPTY Filed	2-Jul-13	13 #EMPTY MULTI-PROTOCOL SUPPORT OVER ETHERNET PACKET-SWITCHED NETWORKS
18255RN	US	11/523,195	8,074,111 Granted	18-Sep-06	06 6-Dec-11 SYSTEM AND METHOD FOR RESPONDING TO FAILURE OF A HARDWARE LOCUS AT A COMMUNICATION INSTALLATION
18255RN	US	13/296,828	#EMPTY Filed	15-Nov-11	11 #EMPTY SYSTEM AND METHOD FOR RESPONDING TO FAILURE OF A HARDWARE LOCUS AT A COMMUNICATION INSTALLATION
18284RR	US	11/615,545	8,284,906 Granted	22-Dec-06	9-Oct-12 MESSAGE MAPPING FOR FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT
18288RO	US	11/693,937	8,274,989 Granted	30-Mar-07	
18288RO	US	13/594,247	8,514,878 Granted	24-Aug-12	12 20-Aug-13 POINT-TO-MULTIPOINT (P2MP) RESILIENCE FOR GMPLS CONTROL OF ETHERNET

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18313ID	US	11/563,284	#EMPTY Filed	27-Nov-06	#EMPTY PE	DEN DE CONTACT CENTER
18320RO	US	11/537,775	7,688,756 Granted	2-Oct-06	30-Mar-10 PF	ROVIDER LINK STATE BRIDGING
18320RO	US	11/702,263	8,059,647 Granted	5-Feb-07	15-Nov-11 M	NULTICAST IMPLEMENTATION IN A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18320RO	US	12/910,477	8,867,366 Granted	22-Oct-10	21-Oct-14 M	NULTICAST IMPLEMENTATION IN A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18329RO	US	11/533,932	7,809,017 Granted	21-Sep-06	5-Oct-10 M	NULTI-RATE TRANSPARENT MUX FOR OPTICAL COMMUNICATIONS NETWORKS
18329RO	US	12/877,678	#EMPTY Filed	8-Sep-10	#EMPTY M	IULTI-RATE TRANSPARENT MUX FOR OPTICAL COMMUNICATIONS NETWORKS
18340RO	US	11/553,750	7,957,512 Granted	27-Oct-06	7-Jun-11 SC	DURCE SELECTION FOR CONFERENCE BRIDGES
18340RO	US	13/152,529	8,638,918 Granted	3-Jun-11	28-Jan-14 SC	DURCE SELECTION FOR CONFERENCE BRIDGES
18340RO	US	14/165,070	8,867,722 Granted	27-Jan-14	21-Oct-14 SC	DURCE SELECTION FOR CONFERENCE BRIDGES
18358RO	US	11/609,966	8,125,930 Granted	13-Dec-06	28-Feb-12 PF	ROTOCOL FOR CLOCK DISTRIBUTION AND LOOP RESOLUTION
18358RO	US	13/362,319	8,755,308 Granted	31-Jan-12	17-Jun-14 PF	ROTOCOL FOR CLOCK DISTRIBUTION AND LOOP RESOLUTION
18377ID	US	11/536,152	8,484,326 Granted	28-Sep-06	9-Jul-13 AF	PPLICATION SERVER BILLING
18385ID	US	11/536,139	8,782,248 Granted	28-Sep-06	15-Jul-14 W	VEB SERVICES INTERFACE
18414RO	_	11/615,294	8,792,625 Granted	22-Dec-06	29-Jul-14 C/	ALL SERVER SELECTION
18455RO	US	11/615,387	8,164,615 Granted	22-Dec-06	24-Apr-12 PE	ERSONALIZED CONFERENCE BRIDGE
18460RO	+	11/615,435	8,081,744 Granted	22-Dec-06	20-Dec-11 IN	NTERACTIVE CONTENT FOR CLICK-TO-CALL CALLS
18460RO	_	13/303,566	8,477,919 Granted	23-Nov-11	2-Jul-13 IN	NTERACTIVE CONTENT FOR CLICK-TO-CALL CALLS
18460RO	_	13/928,594	8,903,069 Granted	27-Jun-13	2-Dec-14 IN	NTERACTIVE CONTENT FOR CLICK-TO-CALL CALLS
18463BA	US	11/642,202	8,213,300 Granted	20-Dec-06	3-Jul-12 C0	OMMUNICATING DATA UNITS IN A COMMUNCATIONS NETWORK THAT PROVIDES FAILURE PROTECTION
18463BA	_	13/495,184	8,503,290 Granted	13-Jun-12	6-Aug-13 C0	OMMUNICATING DATA UNITS IN A COMMUNCATIONS NETWORK THAT PROVIDES FAILURE PROTECTION
18465RN	_	11/608,061	7,995,561 Granted	7-Dec-06		ECHNIQUES FOR IMPLEMENTING LOGICAL TRUNK GROUPS WITH SESSION INITIATION PROTOCOL (SIP)
18471RO		11/525,594	8,199,755 Granted	22-Sep-06		METHOD AND APPARATUS ESTABLISHING FORWARDING STATE USING PATH STATE ADVERTISEMENTS
18475RO		11/610,788	#EMPTY Filed	14-Dec-06		ERVING GATEWAY PROXIES FOR NON-SIP SPEAKERS IN A NEXT GENERATION NETWORK
18477ID	_	11/537,040	8,696,455 Granted	29-Sep-06		OMMUNICATION METHODS AND APPARATUS FOR ONLINE GAMES
18517RO	_	12/006,285	7.911.283 Granted	31-Dec-07		DW NOISE OSCILLATOR AND METHOD
18523RO	US	11/782,895	8,467,417 Granted	25-Jul-07		METHODS AND SYSTEMS FOR COMMUNICATION BETWEEN NETWORK ELEMENTS
18523RO	US	13/916,914	8,811,432 Granted	13-Jun-13	_	METHOD AND SYSTEM FOR SYNCHRONIZATION BETWEEN NETWORK ELEMENTS
18564RO	_	11/960,286	8,756,283 Granted	19-Dec-07		NTERGRATED WEB PORTAL FOR FACILITATING COMMUNICATIONS WITH AN INTENDED PARTY
18566RR	_	11/613,313	8,073,554 Granted	20-Dec-06		YSTEM AND METHOD FOR PROVIDING POWER MANAGEMENT IN A SENSOR NETWORK
18571RO	US	11/714,508	7,684,352 Granted	6-Mar-07		ISTRIBUTED STORAGE OF ROUTING INFORMATION IN A LINK STATE PROTOCOL CONTROLLED NETWORK
18571RO	US	12/728,977	8,149,736 Granted	22-Mar-10		ISTRIBUTED STORAGE OF ROUTING INFORMATION IN A LINK STATE PROTOCOL CONTROLLED NETWORK
18571RO	_	12/728,977	8,149,736 Granted	22-Mar-10		ISTRIBUTED STORAGE OF ROUTING INFORMATION IN A LINK STATE PROTOCOL CONTROLLED NETWORK
18571RO	US	13/420,720	8,687,522 Granted	15-Mar-12		ISTRIBUTED STORAGE OF ROUTING INFORMATION IN A LINK STATE PROTOCOL CONTROLLED NETWORK
18593SS	US	11/616,701	8,660,040 Granted	27-Dec-06		IFURCATED CONFERENCING FUNCTIONS
18606RO	US	11/689,660	7,528,776 Granted	22-Mar-07		EACON-ASSISTED PRECISION LOCATION OF UNTETHERED CLIENT IN PACKET NETWORKS
18631RO	_	12/041,057	7,953,016 Granted	3-Mar-08		METHOD AND SYSTEM FOR TELECOMMUNICATION APPARATUS FAST FAULT NOTIFICATION
18655RO	_	11/713,499	7,656,792 Granted	2-Mar-07		METHOD AND APPARATUS FOR COMPUTING ALTERNATE MULTICAST/BROADCASE PATHS IN A ROUTED NETWORK
18662RO	_	11/978,314	8,280,994 Granted	29-Oct-07		METHOD AND APPARATUS FOR DESIGNING, UPDATING AND OPERATING A NETWORK BASED ON QUALITY OF EXPERIENCE
18669RO	_	12/246,321	8,127,001 Granted	6-Oct-08		METHOD AND SYSTEM FOR SELECTING PROVIDERS FOR ROLE BASED SERVICES
18685RO		12/123,939	8,554,718 Granted	20-May-08		METHOD AND SYSTEM FOR CLIENT CONTEXT DISSEMINATION FOR WEB-BASED APPLICATIONS
18690RO	US	12/016,190	8,504,727 Granted	17-Jan-08		METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
18694RO	_	11/899,118	8,223,668 Granted	4-Sep-07		METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
18694RO	_	13/526,907	8,879,424 Granted	19-Jun-12		METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
18738RO	_	12/148,418	8,223,660 Granted	18-Apr-08		AILURE NOTIFICATION IN A NETWORK HAVING SERIALLY CONNECTED NODES
18738RO	US	13/528,483	8,885,490 Granted	20-Jun-12		AILURE NOTIFICATION IN A NETWORK HAVING SERIALLY CONNECTED NODES
18755RO	US	12/015,632	8,117,338 Granted	17-Jan-08		ORDER GATEWAY PROTOCOL PROCUDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
18756RO	_	12/015,685	8,027,347 Granted	17-Jan-08		ORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATTRIBUTE FOR LAYER-2 AND LAYER-3VIRTUAL PRIVATE NETWORKS USING 802.1AH-BASED TUNNELS
18756RO	US	13/243,004	8,619,791 Granted	23-Sep-11		ORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATTRIBUTE FOR LAYER-2 AND LAYER-3VIRTUAL PRIVATE NETWORKS
18756RO	US	13/243,004	#EMPTY Filed	23-Sep-11		ORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATTRIBUTE FOR LAYER-2 AND LAYER-3-VIRTUAL PRIVATE NETWORKS USING 802.1AH-BASED TUNNELS
18778TN	US	10/172,283	7,411,916 Granted	14-Jun-01		ATA FORWARDING METHOD AND APPARATUS
18796RO	_	12/204,788	7,737,870 Granted	4-Sep-08	•	YNAMIC BIT-STREAM HUFFMAN CODING FOR FAST NETWORK FLOW DATA COMPRESSION
18833RO	US	12/612,869	8,750,141 Granted	2-Jun-08		ISTRIBUTED CONNECTION ESTABLISHMENT AND RESTORATION
18853RX	_	12/006,279	8,370,622 Granted	31-Dec-07		METHOD AND APPARATUS FOR INCREASING THE OUTPUT OF A CRYPTOGRAPHIC SYSTEM
18855RO	_	12/333,835	8,363,548 Granted	12-Dec-08		METHOD AND SYSTEM FOR PACKET DISCARD PRECEDENCE FOR VIDEO TRANSPORT
חווררטחד	UJ	14/ 333,033	0,303,340 01 011880	12-060-08	73-1411-12 M	TETHOU AND STATEM FOR FACEL DISTANCE FREEDERING FOR STOLE OF MANUFAUT

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18855RO	US	13/722,074	8,717,897 Granted	20-Dec-12	6-May-14	METHOD AND SYSTEM FOR PACKET DISCARD PRECEDENCE FOR VIDEO TRANSPORT
18872RO	_	12/006,151	8,559,412 Granted	31-Dec-07		COMMUNICATION TIME INFORMATION IN A NETWORK TO ENABLE SYNCHRONIZATION
18898RO		11/986,005	8,385,527 Granted	19-Nov-07	26-Feb-13	METHOD AND APPARATUS FOR OVERLAYING WHISPERED AUDIO ONTO A TELEPHONE CALL
18905RO	US	12/104,598	8,144,715 Granted	17-Apr-08	27-Mar-12	METHOD AND APPARATUS FOR INTERWORKING VPLS AND PBB NETWORKS
18910RO	_	12/006,291	8,854,982 Granted	31-Dec-07	7-Oct-14	METHOD AND APPARATUS FOR MANAGING THE INTERCONNECTION BETWEEN NETWORK DOMAINS
18923RO	US	11/964,478	7,911,944 Granted	26-Dec-07	22-Mar-11	TIE-BREAKING IN SHORTEST PATH DETERMINATION
18923RO	US	13/023,823	8,699,329 Granted	9-Feb-11	15-Apr-14	TIE-BREAKING IN SHORTEST PATH DETERMINATION
18923RO	US	13/477,366	8,761,022 Granted	22-May-12	24-Jun-14	TIE-BREAKING IN SHORTEST PATH DETERMINATION
18931ID	US	11/962,476	8,005,081 Granted	21-Dec-07	23-Aug-11	EVOLUTION OF ETHERNET NETWORKS
18931ID	US	13/206,732	8,675,519 Granted	10-Aug-11	18-Mar-14	EVOLUTION OF ETHERNET NETWORKS
18955BA	US	12/345,815	8,243,608 Granted	30-Dec-08	14-Aug-12	METRO ETHERNET CONNECTIVITY FAULT MANAGEMENT ACCELERATION
18970RO	US	12/250,681	7,995,597 Granted	14-Oct-08	9-Aug-11	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
18970RO	US	13/169,504	8,711,871 Granted	27-Jun-11	29-Apr-14	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
18999RO	US	12/118,410	7,969,884 Granted	9-May-08	28-Jun-11	METHOD AND SYSTEM FOR WEIGHT AND RATE SCHEDULING
19010RO	US	12/182,968	8,391,148 Granted	30-Jul-08	5-Mar-13	METHOD AND APPARATUS FOR ETHERNET DATA COMPRESSION
19010RO	US	13/750,373	#EMPTY Filed	25-Jan-13	#EMPTY	METHOD AND APPARATUS FOR ETHERNET DATA COMPRESSION
19040RO	US	12/268,008	8,467,418 Granted	10-Nov-08	18-Jun-13	DIFFERENTIAL TIMING TRANSFER OVER SYNCHRONOUS ETHERNET USING DIGITAL FREQUENCYGENERATORS AND CONTROL WORD SIGNALING
19041RO	US	12/241,312	8,045,570 Granted	30-Sep-08	25-Oct-11	EXTENDED PRIVATE LAN
19060RO	US	12/343,589	8,094,823 Granted	24-Dec-08	10-Jan-12	EXTENDED DIFFIE-HELLMAN GROUP KEY GENERATION
19065RN	US	12/215,350	7,894,450 Granted	26-Jun-08	22-Feb-11	IMPLEMENTATION OF IP VPNS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19065RN	US	13/004,979	#EMPTY Filed	12-Jan-11	#EMPTY	IMPLEMENTATION OF IP VPNS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19096RO	US	12/152,085	7,924,715 Granted	12-May-08	12-Apr-11	METHOD AND APPARATUS FOR DISCOVERING, NEGOTIATING, AND PROVISIONING END-TO-END SLAS BETWEEN MULTIPLE SERVICE PROVIDER DOMAINS
19096RO	US	13/044,598	#EMPTY Filed	10-Mar-11	#EMPTY	METHOD AND APPARATUS FOR DISCOVERING, NEGOTIATING, AND PROVISIONING END-TO-END SLAS BETWEEN MULTIPLE SERVICE PROVIDER DOMAINS
19097RO	US	12/249,941	7,898,965 Granted	12-Oct-08	1-Mar-11	IP NETWORK AND PERFORMANCE MONITORING USING ETHERNET OAM
19097RO	US	12/249,944	7,996,559 Granted	12-Oct-08	9-Aug-11	AUTOMATIC MEP PROVISIONING IN A LINK STATE CONTROLLED ETHERNET NETWORK
19097RO	US	12/249,946	8,264,970 Granted	12-Oct-08	11-Sep-12	CONTINUITY CHECK MANAGEMENT IN A LINK STATE CONTOLLED ETHERNET NETWORK
19097RO	US	13/173,807	8,918,538 Granted	30-Jun-11	#EMPTY	AUTOMATIC MEP PROVISIONING IN A LINK STATE CONTROLLED ETHERNET NETWORK
19098RO	US	12/250,266	8,165,031 Granted	13-Oct-08		MULTI-POINT AND ROOTED MULTI-POINT PROTECTION SWITCHING
19100RO	US	12/218,147	7,872,529 Granted	11-Jul-08	18-Jan-11	SWITCH METHOD FOR SWITCHING CLASS AMPLIFIERS
19269RO	US	12/340,817	8,325,732 Granted	22-Dec-08	4-Dec-12	METHOD FOR OPERATING MULTI-DOMAIN PROVIDER ETHERNET NETWORKS
19269RO	US	13/679,500	8,559,363 Granted	16-Nov-12	15-Oct-13	METHOD FOR OPERATING MULTI-DOMAIN PROVIDER ETHERNET NETWORKS
19269RO	_	13/922,843	8,891,439 Granted	20-Jun-13		METHOD FOR OPERATING MULTI-DOMAIN PROVIDER ETHERNET NETWORKS
19270RR	US	13/383,971	8,862,119 Granted	13-Jan-12		METHOD AND APPARATUS FOR TELECOMMUNICATIONS NETWORK PERFORMANCE ANOMALYEVENTS DETECTION AND NOTIFICATION
19271IN	US	12/638,556	8,893,260 Granted	15-Dec-09		SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
19277RO	US	12/260,558	7,924,836 Granted	29-Oct-08		BREAK BEFORE MAKE FORWARDING INFORMATION BASE (FIB) POPULATION FOR MULTICAST
19277RO	_	13/048,614	8,331,367 Granted	15-Mar-11		BREAK BEFORE MAKE FORWARDING INFORMATION BASE (FIB) POPULATION FOR MULTICAST
19277RO		13/667,547	8,644,313 Granted	2-Nov-12		BREAK BEFORE MAKE FORWARDING INFORMATION BASE (FIB) POPULATION FOR MULTICAST
19311RO	_	12/340,174	8,270,290 Granted	19-Dec-08	-	RESILIENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSB) NETWORKS
19311RO	_	13/586,620	8,861,335 Granted	15-Aug-12		RESILIENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSB) NETWORKS
19311RO		14/195,320	#EMPTY Filed	3-Mar-14		RESILIENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSB) NETWORKS
19318RO	US	13/185,676	#EMPTY Filed	19-Jul-11		#EMPTY
19318RO	_	13/185,676	8,630,167 Granted	19-Jul-11		DISTRIBUTED FAILURE RECOVERY IN A ROUTED ETHERNET NETWORK
19329ID	_	12/334,013	8,565,244 Granted	12-Dec-08		RESILIENT PROVIDER LINK STATE BRIDGING (PLSB) VIRTUAL PRIVATE LAN SERVICE (VPLS) INTERWORKING
19337BA	_	12/418,919	8,494,313 Granted	6-Apr-09		MONITORING EDC POLARIZATION INVERSE FILTER COEFFICIENTS TO IDENTIFY REAL-TIMEPHYSICAL INTRUSION INTO A CORE OR METRO OPTICAL NETWORK
19355RO	US	12/344,010	8,339,438 Granted	24-Dec-08		WEB BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS
19355RO	US	13/713,880	#EMPTY Filed	13-Dec-12		WEB BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS
19363RO	US	12/394,405	7,948,885 Granted	27-Feb-09	,	LINK BUNDLE CO-ROLITED VICAT VIA RSVP MESSGE BUNDLING
19363RO	_	13/098,270	8,593,961 Granted	29-Apr-11		LINK BUNDLED CO-ROUTED VCAT VIA RSVP MESSGE BUNDLING
19405RO	US	12/168,688	8,842,076 Granted	7-Jul-08		MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING
19412RO	_	12/412,743	#EMPTY Filed	27-Mar-09		PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIPLEXED PASSIVE OPTICAL NETWORKS (WDM PONS)
19412RO	_	13/434,365	8,340,524 Granted	29-Mar-12		PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIPLEXED PASSIVE OPTICAL INTERORIS (WDM PONS)
19422RO	US	12/345,186	8,050,404 Granted	29-Dec-08		BANDWITH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL
19422RO	US	13/269,674	8,462,943 Granted	10-Oct-11		BANDWITH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL JAGE BIASED DISTRIBUTED COLLISION RESOLUTION WITHOUT CLOCKS
19431RO	US	12/276,623	7,941,531 Granted	24-Nov-08	10-May-11	ANDE DIAGO DIGITALDO ED COLLIGION RESOLUTION WITHOUT CLOCKS

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19466RO	US	12/259,650	8,005,016	Granted	28-Oct-08	23-Aug-11	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD
19466RO	US	13/204,309	8,605,627	Granted	5-Aug-11	10-Dec-13	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD
19558RM	US	12/492,887	8,175,103	Granted	26-Jun-09	8-May-12	DYNAMIC NETWORKING OF VIRTUAL MACHINES
19567ID	US	12/549,534	8,275,118	Granted	28-Aug-09	25-Sep-12	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANNELS IN A CONTACT CENTRE
19567ID	US	13/624,267	8,559,616	Granted	21-Sep-12	15-Oct-13	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANNELS IN A CONTACT CENTER
19600RO	US	12/490,187	8,040,906	Granted	23-Jun-09	18-0ct-11	UTILIZING BETWEENNESS TO DETERMINE FORWARDING STATE IN A ROUTED NETWORK
19600RO	US	13/250,034	#EMPTY	Filed	30-Sep-11	#EMPTY	UTILIZING BETWEENNESS TO DETERMINE FORWARDING STATE IN A ROUTED NETWORK
19604DE	US	12/503,266	#EMPTY	Filed	15-Jul-09	#EMPTY	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER
19670RR	US	12/344,914	8,060,563	Granted	29-Dec-08	15-Nov-11	COLLABORATION AGENT
19677BA	US	12/413,150	8,315,159		27-Mar-09	20-Nov-12	UTILIZING OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK
19679RO	US	12/492,565	8,208,968	Granted	26-Jun-09	26-Jun-12	MOBILE FAST ALERTING
19679RO	US	13/531,663	8,600,453		25-Jun-12	3-Dec-13	MOBILE FAST ALERTING
19681RR	US	12/831,496	8,320,334	Granted	7-Jul-10		HANDOFF OF A MOBILE STATION BETWEEN PACKET-SWITCHED AND CIRCUIT-SWITCHED WIRELESS DOMAINS
19681RR	US	13/666,197	#EMPTY	Filed	1-Nov-12		HANDOFF OF A MOBILE STATION BETWEEN PACKET-SWITCHED AND CIRCUIT-SWITCHED WIRELESS DOMAINS
19681RR	US	13/666,201	#EMPTY	Filed	1-Nov-12		HANDOFF OF A MOBILE STATION BETWEEN PACKET-SWITCHED AND CIRCUIT-SWITCHED WIRELESS DOMAINS
19697ID	US	12/958,470	#EMPTY	Filed	2-Dec-10		DUAL MODE BASE STATION
19699RO	US	12/347,314	7,995,621		31-Dec-08		TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING
19699RO	US	13/162,242	8,675,686		16-Jun-11		TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING
19702RO	US	12/487,407	8,184,648		18-Jun-09		METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF MULTIPLE PHYSICALLY DUAL HOMEDDEVICES
19702RO	US	13/471,712	8,649,259		15-May-12		METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF MULTIPLE PHYSICALLY DUAL HOMEDDEVICES
19747BA	US	12/412,589	8,811,388		27-Mar-09		SERVICE INSTANCE APPLIED TO MPLS NETWORKS
19757ID	US	13/513,875	8,818,406		14-Aug-12		TOOA BASED POSITIONING WITH CALCULATION OF CORRECTION FACTORS FOR COMPENSATING THE CLOCK OFFSETS OF UNSYNCHRONIZED NETWORK STATIONS
19769RO	US	13/131,932	8,489,056		31-May-11		FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER AND BANDSTOP FILTERING
19776RO	US	12/575,190	8,270,319		7-Oct-09		METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
19785RO	US	13/131,918	8,385,871		31-May-11		FREQUENCY AGILE FILTER USING A DIGITAL FILTER AND BANDSTOP FILTERING
19785RO	US	13/751,599	8,909,185		28-Jan-13		DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY
19802IY	US	12/518,636	8,763,088		12-Dec-07		DISTRIBUTED AUTHENTICATION, AUTHORIZATION AND ACCOUNTING
19838BA	US	12/490,180	8,064,458		23-Jun-09		METHOD AND APPARATUS FOR SIMULATING IP MULTINETTING
19838BA	US	13/286,241	8,699,492		1-Nov-11		METHOD AND APPARATUS FOR SIMULATING IP MULTINETTING
1984255	US	13/256,503	8,842,677		14-Sep-11		METHODS AND SYSTEMS FOR PROVIDING A LOGICAL NETWORK LAYER FOR DELIVERY OF INPUT/OUTPUT DATE
19847RO	US	12/429,210	8,224,946		24-Apr-09		METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESS
19941RO	US	12/574,872	8,248,925		7-Oct-09		METHOD AND APPARATUS FOR SELECTING BETWEEN MULTIPLE EQUAL COST PATHS METHOD AND APPARATUS FOR SELECTING BETWEEN MULTIPLE EQUAL COST PATHS
19941RO 19983RO	US	13/589,372	8,750,820 8,634,491		20-Aug-12 10-Mar-10		METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLEDSIGNALS
AB0162	US	12/720,935 09/247,915	6,556,565		11-Feb-99		INTERNET PROTOCOL (IP) TELECOMMUNICATION
AB0171	US	09/501,074	6,931,029		9-Feb-00		SYSTEM AND METHOD FOR SYNCHRONIZING WITH DATA RECEIVED OVER AN UNRELIABLE ASYNCHRONOUS MEDIUM
BA0019	US	08/473,070	5,715,396		7-Jun-95		METHOD FOR PROVIDING FOR AUTOMATIC TOPOLOGY DISCOVERY IN AN ATM NETWORK OR THE LIKE
BA0044	US	08/477,285	5,713,330		7-Jun-95		NETWORK TOPOLOGY DETERMINATION BY DISSECTING UNITARY CONNECTIONS AND DETECTING NON-RESPONSIVE NODES
BA0058	US	08/342,856	5,745,897		21-Nov-94		METHOD AND SYSTEM FOR COMPILING MANAGEMENT INFORMATION BASE SPECIFICATIONS
BA0066	US	08/630,384	5,850,397		10-Apr-96		METHOD FOR DETERMINING THE TOPOLOGY OF A MIXED-MEDIA NETWORK
BA0074	US	08/411.442	5,583,862		28-Mar-95		METHOD AND APPARATUS FOR ROUTING FOR VIRTUAL NETWORKS
BA0075	US	08/566,047	5,983,327		1-Dec-95		DATA PATH ARCHITECHURE AND ARBITRATION SCHEME FOR PROVIDING ACCESS TO A SHARED SYSTEM RESOURCE
BA0075	US	09/291,851	6,408,367		14-Apr-99		DATA PATH ARCHITECHURE AND ARBITRATION SCHEME FOR PROVIDING ACCESS TO A SHARED SYSTEM RESOURCE
BA0085	US	08/858,776	6,192,397		19-May-97		METHOD FOR ESTABLISHING A MASTER-SLAVE RELATIONSHIP IN A PEER-TO-PEER NETWORK
BA0091	US	08/501,483	5,732,080		12-Jul-95		METHOD AND APPARATUS FOR CONTROLLING DATA FLOW WITHIN A SWITCHING DEVICE
BA0100	US	08/758,189	6,229,787		25-Nov-96		MECHANISM TO ACHIEVE VERY FAST FAILOVER IN ATM BACKBONE NETWORKS USING MULTI-HOMED CIRCUITS
BA0104	US	08/538,921	5,790,554		4-Oct-95	- '	METHOD AND APPARATUS FOR PROCESSING DATA PACKETS IN A NETWORK
BA0106	US	08/636,664	5,970,502		23-Apr-96		METHOD AND APPARATUS FOR SYNCHRONIZING MULTIPLE COPIES OF A DATABASE
BA0108	US	08/937,450	6,256,295		25-Sep-97		METHOD AND APPARATUS FOR DETERMINING MULTIPLE MINIMALLY-OVERLAPPING PATHS BETWEEN NODES IN A NETWORK
BA0109	US	08/683,863	5,699,347		18-Jul-96		METHOD AND APPARATUS FOR ROUTING PACKETS IN NETWORKS HAVING CONNECTION-ORIENTED SUBNETWORKS
BA0109	US	08/700,313	5,633,866	Granted	19-Aug-96		METHOD AND APPARATUS FOR ROUTING PACKETS IN NETWORKS HAVING CONNECTION-ORIENTED SUBNETWORKS
BA0110	US	08/647,295	5,854,899		9-May-96		METHOD AND APPARATUS FOR MANAGING VIRTUAL CIRCUITS AND ROUTING PACKETS IN A NETWORK ENVIRONMENT
BA0112	US	08/643,540	5,864,539	Granted	6-May-96	26-Jan-99	METHOD AND APPARATUS FOR A RATE-BASED CONGESTION CONTROL IN A SHARED MEMORY SWITCH
BA0122	US	08/717,323	5,761,506	Granted	20-Sep-96	2-Jun-98	METHOD AND APPARATUS FOR HANDLING CACHE MISSES IN A COMPUTER SYSTEM
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BA0122	US	08/717,404	5,848,257 Granted	20-Sep-96	8-Dec-98	METHOD AND APPARATUS FOR MULTITASKING IN A COMPUTER SYSTEM
BA0123	US	08/747,397	5,898,576 Granted	12-Nov-96		A PRINTED CIRCUIT BOARD INCLUDING A TERMINATED POWER PLANE AND METHOD OF MANUFACTURING THE SAME
BA0128	US	08/901,198	5,996,010 Granted	28-Jul-97		METHOD OF PERFORMING A NETWORK MANAGEMENT TRANSACTION USING A WEB-CAPABLE AGENT
BA0128	US	09/405,824	6,393,475 Granted	24-Sep-99		METHOD OF PERFORMING A NETWORK MANAGEMENT TRANSACTION USING A WEB-CAPABLE AGENT
BA0130	US	08/624,021	5,774,667 Granted	27-Mar-96	- '	METHOD AND APPARATUS FOR MANAGING PARAMETER SETTINGS FOR MULTIPLE NETWORK DEVICES
BA0141	US	08/746,963	5,914,938 Granted	19-Nov-96		MAC ADDRESS TABLE SEARCH UNIT
BA0144	US	08/868,784	5,935,268 Granted	4-Jun-97		METHOD AND APPARATUS FOR GENERATING AN ERROR DETECTION CODE FOR A MODIFIED DATA PACKET DERIVED FROM AN ORIGINAL DATA PACKET
BA0145	US	08/728,202	5,881,251 Granted	10-Oct-96	9-Mar-99	HOT SWAP CONTROL CIRCUIT
BA0152	US	08/696,272	6,018,527 Granted	13-Aug-96	25-Jan-00	A QUEUE SERVICE INTERVAL BASED CELL SCHEDULER WITH HIERARCHICAL QUEUING CONFIGURATIONS
BA0152	US	09/440,548	6,810,012 Granted	11-Nov-99	26-Oct-04	A QUEUE SERVICE INTERVAL BASED CELL SCHEDULER WITH HIERARCHICAL QUEUING CONFIGURATIONS
						SYSTEM FOR GENERATING EXPLICIT ROUTING ADVERTISEMENTS TO SPECIFY A SELECTED PATHTHROUGH A CONNECTIONLESS NETWORK TO A DESTINATION BY A SPECIFIC
BA0153	US	08/661,311	5,881,246 Granted	12-Jun-96	9-Mar-99	ROUTER
BA0153	US	08/661,312	5,995,503 Granted	12-Jun-96	30-Nov-99	METHOD AND APPARATUS FOR PROVIDING QUALITY OF SERVICE ROUTING IN A NETWORK
BA0154	US	08/710,267	5,953,312 Granted	13-Sep-96		METHOD AND APPARATUS FOR DETERMINING ALTERNATE ROUTES IN A NETWORK USING A CONNECTION-ORIENTED PROTOCOL
BA0158	US	08/679,668	5,809,024 Granted	12-Jul-96		MEMORY ARCHITECTURE FOR A LOCAL AREA NETWORK MODULE IN AN ATM SWITCH
BA0160	US	08/679,090	5,802,056 Granted	12-Jul-96		CONFIGURATION OF VIRTUAL RINGS IN A TOKEN RING LOCAL AREA NETWORK
BA0162	US	08/822,848	6,247,054 Granted	24-Mar-97		METHOD AND APPARATUS FOR REDIRECTING PACKETS USING ENCAPSULATION
BA0168	US	08/944,688	5,987,516 Granted	7-Oct-97		A METHOD OF DISPLAYING CHANGES IN CALL STATUS BETWEEN NODES WITH A CONNECTION-ORIENTED NETWORK
BA0168	US	08/946,383	6,105,065 Granted	7-Oct-97		A METHOD OF DISPLAYING CHANGES IN CALL STATUS BETWEEN NODES WITHIN A CONNECTION-ORIENTED NETWORK
BA0170	US	08/982,873	6,275,492 Granted	2-Dec-97	_	METHOD AND APPARATUS FOR ROUTING DATA USING ROUTER IDENTIFICATION INFORMATION
BA0178	US	09/073,902	6,212,228 Granted	6-May-98		APPARATUS FOR MODULATING AND DEMODULATING DIGITAL DATA
BA0180	US	09/012,127	6,330,613 Granted	22-Jan-98		METHOD FOR DYNAMICALLY DOWNLOADING A SOFTWARE IMAGE TO A DIGITAL PROCESSING SYSTEM
BA0181	US	08/421,612	5,608,728 Granted	13-Apr-95		SYSTEM AND METHOD FOR EQUALIZATION OF FORWARD AND REVERSE CHANNELS OF A COMMUNICATION NETWORK SYSTEM (AS AMENDED)
BA0183	US	09/060,220	6,490,251 Granted	14-Apr-98		METHOD AND APPARATUS FOR COMMUNICATING CONGESTION INFORMATION AMONG DIFFERENT PROTOCOL LAYERS BETWEEN NETWORKS
BA0187	US	09/058,693	6,279,035 Granted	10-Apr-98		OPTIMIZING FLOW DETECTION AND REDUCING CONTROL PLANE PROCESSING IN A MULTI-PROTOCOL OVER ATM (MPOA) SYSTEM
BA0188	US	09/144,509	6,574,669 Granted	31-Aug-98		METHOD AND APPARATUS FOR ROUTING TRAFFIC WITHIN A NETWORK UTILIZING LINEAR OPTIMIZATION
BA0191	US	09/460,275	6,678,279 Granted	13-Dec-99		SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH BUFFER FOR UNICAST AND MULTICAST DATA METHOD FOR SYNCHRONIZING NETWORK ADDRESS TRANSLATOR (NAT) TABLES USING THE OPEN SHORTEST PATH FIRST OPAQUE LINK STATE ADVERTISEMENT OPTION
BA0192	us	09/107,097	6,418,476 Granted	29-Jun-98		PROTOCOL
BA0192	US	09/137,571	6,331,984 Granted	21-Aug-98	18-Dec-01	METHOD FOR SYNCHRONIZING NETWORK ADDRESS TRANSLATOR (NAT) TABLES USING THE SERVER CACHE SYNCHRONIZATION PROTOCOL
BA0194	US	09/107,039	6,223,172 Granted	29-Jun-98		ADDRESS ROUTING USING ADDRESS-SENSITIVE MASK DECIMATION SCHEME
BA0194	US	09/832,708	6,877,005 Granted	10-Apr-01	5-Apr-05	LONGEST BEST MATCH SEARCH
BA0198	US	09/118,339	6,526,066 Granted	16-Jul-98	25-Feb-03	APPARATUS FOR CLASSIFYING A PACKET WITHIN A DATA STREAM IN A COMPUTER NETWORK
BA0199	US	09/289,248	6,487,592 Granted	9-Apr-99	26-Nov-02	METHOD AND APPARATUS PROVIDING A CABLE MODEM MANAGEMENT AND PROVISIONING SYSTEM
BA0200	US	09/010,391	6,233,687 Granted	21-Jan-98	15-May-01	METHOD AND APPARATUS FOR PROVIDING CONFIGURATION INFORMATION IN A NETWORK
BA0200	US	09/833,131	6,408,392 Granted	10-Apr-01	18-Jun-02	METHOD AND APPARATUS FOR PROVIDING CONFIGURATION INFORMATION IN A NETWORK
BA0204	US	09/049,855	6,170,013 Granted	27-Mar-98	2-Jan-01	METHOD AND APPARATUS FOR CONTROLLING ACCESS TO NETWORK INFORMATION SOURCES
						METHOD AND APPARATUS FOR PERFORMING RADIX LOOKUPS USING TRANSITION BITS AND FIELDS IN TRANSITION TABLESCOMPRESSED RADIX LOOKUPS USING
BA0212	US	09/108,468	6,185,570 Granted	1-Jul-98		TRANSITION TABLES
BA0212	US	09/108,469	6,247,014 Granted	1-Jul-98		METHOD AND APPARATUD FOR PERFORMING HASH LOOKUPS USING VALID BIT TABLES WITH POINTERS
BA0212	US	09/108,711	6,223,174 Granted	1-Jul-98		METHOD AND APPARATUD FOR PERFORMING RADIX LOOKUPS USING VALID BIT TABLES WITH POINTERS
BA0212	US	09/108,751	6,233,574 Granted	1-Jul-98		METHOD AND APPARATUD FOR PERFORMING RADIX LOOKUPS USING TRANSITION TABLES WITH POINTERS
BA0215	US	09/195,573	6,608,816 Granted	18-Nov-98		METHOD AND APPARATUS FOR PROVIDING DIFFERENTIATED SERVICES USING A MULTI-LEVEL QUEUING MECHANISM
BA0215	US	10/241,088	6,944,128 Granted	10-Sep-02		METHOD AND APPARATUS FOR PROVIDING DIFFERENTIATED SERVICES USING A MULTI-LEVEL QUEUING MECHANISM
BA0217	US	09/429,047	6,898,200 Granted	29-Oct-99	24-May-05	METHOD FOR IMPROVING SIGNALING EFFICIENCY AND PERFORMING SERVICE LOAD BALANCING IN A CONNECTION ORIENTED NETWORK METHOD FOR A NETWORK DEVICE INSERTED BETWEEN POINT TO POINT CONNECTED STATIONS TO AUTOMATICALLY NEGOTIATE COMMUNICATION PARAMETERS
BA0222	us	09/469,982	6,907,008 Granted	21-Dec-99	14-Jun-05	BETWEEN THE STATIONS
BA0223	US	09/108,113	6,441,931 Granted	30-Jun-98		METHOD AND APPARATUS FOR MONITORING A DEDICATED COMMUNICATIONS MEDIUM IN A SWITCHED DATA NETWORK
BA0227	US	09/107,080	6,625,156 Granted	29-Jun-98		METHOD OF IMPLEMENTING QUALITY-OF SERVICE DATA COMMUNICATIONS OVER A SHORT-CUT PATH THROUGH A ROUTED NETWORK
BA0231	US	09/128,350	6,363,481 Granted	3-Aug-98		METHOD AND APPARATUS FOR SECURE DATA STORAGE USING DISTRIBUTED DATABASES
BA0232	US	09/145,050	6,141,680 Granted	1-Sep-98		METHOD AND APPARATUS FOR PROVIDING AND FACILITATING INTERACTION WITH DISTRIBUTED MANAGER INFORMATION OF A NETWORK
BA0232	US	09/615,864	6,430,614 Granted	13-Jul-00		METHOD AND APPARATUS FOR PROVIDING AND FACILITATING INTERACTION WITH DISTRIBUTED MANAGER INFORMATION OF A NETWORK
BA0237	US	09/246,578	6,990,124 Granted	8-Feb-99		SS7-INTERNET GATEWAY ACCESS SIGNALING PROTOCOL
BA0242	US	09/314,566	6,977,894 Granted	19-May-99	20-Dec-05	METHOD AND APPARATUS FOR DISCARDING DATA PACKETS THROUGH THE USE OF DESCRIPTORS
BA0246	US	09/314,567	6,621,829 Granted	19-May-99		METHOD AND APPARATUS FOR THE PRIORITIZATION OF CONTROL PLANE TRAFFIC IN A ROUTER
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BA0247	US	09/314,563	6,647,424 Granted	19-May-99	11-Nov-03 METHOD AND APPARATUS FOR DISCARDING DATA PACKETS
BA0262	US	09/100,590	6,483,833 Granted	19-Jun-98	19-Nov-92 PROTOCOL
BA0264	US	09/270,930	6,873,618 Granted	16-Mar-99	29-Mar-05 MULTIPORT NETWORK ROUTING PROTOCOL
BA0268	US	09/072,410	6,098,131 Granted	4-May-98	1-Aug-00 NETWORK APPARATUS WITH REMOVABLE ELECTRONIC MODULE
BA0289	US	09/252,430	6,760,336 Granted	18-Feb-99	6-Jul-04 FLOW DETECTION SCHEME TO SUPPORT QOS FLOWS BETWEEN SOURCE AND DESTINATION NODES
BA0292	US	09/307,190	6,707,796 Granted	7-May-99	16-Mar-04 SYSTEM DEVICE AND METHOD FOR REDUCING FORWARDING STATES IN A COMMUNICATION SYSTEM
BA0297	US	09/204,930	6,587,943 Granted	3-Dec-98	1-Jul-03 APPARATUS AND METHOD FOR LIMITING UNAUTHORIZED ACCESS TO A NETWORK MULTICAST
BA0298	US	09/253,103	6,330,555 Granted	19-Feb-99	11-Dec-01 METHOD AND APPARATUS FOR ENABLING A VIEW OF DATA ACROSS A DATABASE
BA0302	US	09/165,509	6,101,539 Granted	2-Oct-98	8-Aug-00 DYNAMIC PRESENTATION OF MANAGEMENT OBJECTS BASED ON ADMINISTRATION PRIVILEGES
BA0303	US	09/165,507	6,754,702 Granted	2-Oct-98	22-Jun-04 CUSTOM ADMINISTRATOR VIEWS OF MANAGEMENT OBJECTS
BA0305	US	09/165,508	6,539,021 Granted	2-Oct-98	25-Mar-03 ROLE BASED MANAGEMENT INDEPENDENT OF THE HARDWARE TOPOLOGY
BA0306	US	09/264,949	6,559,861 Granted	9-Mar-99	6-May-03 DISPLAYING COMPUTER INTERFACES IN MULTIPLE LANGUAGES
BA0307	US	09/786,529	8,675,647 Granted	23-Feb-01	18-Mar-14 NON-BROADCAST MULTIPLE ACCESS INVERSE NEXT HOP RESOLUTION PROTOCOL (INNHRP)
BA0309	US	09/412,689	6,662,208 Granted	5-Oct-99	9-Dec-03 System for tracking the history of Channel Based Network Devices
BA0315	US	09/309,471	6,601,150 Granted	10-May-99	29-Jul-03 MEMORY MANAGEMENT TECHNIQUE FOR MAINTAINING PACKET ORDER IN A PACKET PROCESSING SYSTEM
BA0316	US	09/227,237	6,182,214 Granted	8-Jan-99	30-Jan-01 EXCHANGING A SECRET OVER AN UNRELIABLE NETWORK
BA0317	US	09/256,700	6,425,004 Granted	24-Feb-99	23-Jul-02 DETECTING AND LOCATING A MISBEHAVING DEVICE IN A NETWORK DOMAIN
BA0319	US	10/278,034	6,891,835 Granted	22-Oct-02	10-May-05 SERVICING OUTPUT QUEUES DYNAMICALLY ACCORDING TO BANDWIDTH ALLOCATION IN A FRAME ENVIRONMENT
BA0320	US	09/167,792	6,597,704 Granted	7-Oct-98	22. Jul-03 SYSTEM FOR TRANSLATING A MESSAGE FROM A FIRST TRANSMISSION PROTOCOL TO A SECOND TRANSMISSION PROTOCOL
BA0321	US	09/167,746	6,484,206 Granted	7-Oct-99	19-Nov-02 EFFICIENT RECOVERY OF MULTIPLE CONNECTIONS IN A COMMUNICATION NETWORK
BA0322	US	09/167,811	6,311,222 Granted	7-Oct-98	30-Oct-01 TRANSLATOR MEMORY MANAGEMENT SYSTEM
BA0323	US	09/167,916	6,226,676 Granted	7-Oct-98	1-May-01 CONNECTION ESTABLISHMENT AND TERMINATION IN A MIXED PROTOCOL NETWORK
BA0324	US	09/167,839	6,320,874 Granted	7-Oct-98	20-Nov-01 ESTABLISHING AND TERMINATING CONNECTIONS IN A MIXED PROTOCOL NETWORK
BA0325	US	09/167,950	6,618,359 Granted	7-Oct-98	9-Sep-03 ERROR RECOVERY IN A MIXED PROTOCOL NETWORKS
BA0327	US	09/257,075	6,671,279 Granted	24-Feb-99	30-Dec-03 ESTABLISHING SHORTCUTS IN A MULTIPROTOCOL-OVER-ATM SYSTEM
BA0328	US	09/274,940	6,888,837 Granted	23-Mar-99	3-May-05 NETWORK ADDRESS TRANSLATION IN A NETWORK HAVING MULTIPLE OVERLAPPING ADDRESS DOMAINS
BA0328	US	09/274,944	6,493,765 Granted	23-Mar-99	10-Dec-02 DOMAIN NAME RESOLUTION IN A NETWORK HAVING MULTIPLE OVERLAPPING ADDRESS DOMAINS
BA0334	US	09/309,530	6,614,791 Granted	11-May-99	2-Sep-03 SYSTEM, DEVICE, AND METHOD FOR SUPPORTING VIRTUAL PRIVATE NETWORKS
BA0334	US	10/609,290	7,327,738 Granted	27-Jun-03	5-Feb-08 SYSTEM DEVICE, AND METHOD, FOR SUPPORTING VIRTUAL PRIVATE NETWORKS
BA0335	US	09/330,238	6,704,280 Granted	10-Jun-99	9-Mar-04 A SWITCHING DEVICE AND METHOD FOR TRAFFIC POLICING OVER A NETWORK
BA0344	US	09/361,540	6,535,906 Granted	27-Jul-99	18-Mar- 03 SYSTEM FOR CONTROLLING THE EFFECT OF TRANSMITTING A DOCUMENT ACROSS A PACKET BASED NETWORK
BA0346	US	09/340,477	6,597,700 Granted	30-Jun-99	22-Jul-03 SYSTEM, DEVICE, AND METHOD FOR ADDRESS MANAGEMENT IN A DISTRIBUTED COMMUNICATION ENVIRONMENT
BA0346	US	09/340,478	6,888,802 Granted	30-Jun-99	3-May-05 SYSTEM, DEVICE, AND METHOD FOR ADDRESS REPORTING IN A DISTRIBUTED COMMUNICATION ENVIRONMENT
BA0346	US	10/963,779	7,203,176 Granted	12-Oct-04	10-Apr-07 SYSTEM, DEVICE, AND METHOD FOR ADDRESS REPORTING IN A DISTRIBUTED COMMUNICATION ENVIRONMENT
BA0352	US	11/301,162	7,174,388 Granted	12-Dec-05	6-Feb-07 SYSTEM, DEVICE AND METHOD FOR SUPPORTING VIRTUAL PRIVATE NETWORKS IN A LABEL SWITCHED COMMUNICATIONS NETWORK
BA0354	US	09/290,753	6,725,276 Granted	13-Apr-99	20-Apr-04 APPARATUS AND METHOD FOR AUTHENTICATING MESSAGES TRANSMITTED ACROSS DIFFERENT MULTICAST DOMAINS 11 July of Cyctem Designs and Method for Establication (Across Charles of Control of Contro
BA0355 BA0356	US	09/473,103	7,076,559 Granted 6,987,727 Granted	28-Dec-99 3-Feb-04	11-Jul-06/SYSTEM, DEVICE, AND METHOD FOR ESTABLISHING LABEL SWITCHED PATHS ACROSS MULTIPLE AUTONOMOUS SYSTEMS 17-Jan-06/AUTOMATIC PROTECTION SWITCHING USING LINK-LEVEL REDUNDANCY SUPPORTING MULTI-PROTOCOL LABEL SWITCHING
BA0356	US	10/771,201	6,987,727 Granted 8,134,917 Granted	3-Feb-04 25-Jul-05	17-Jan-LB, NOTOMATIC PROTECTION SWITCHING USING LINK-LEVEL REDUNDANCY SUPPORTING MULTI-PROTOCOL LABEL SWITCHING 13-Mar-12] AUTOMATIC PROTECTION SWITCHING USING LINK-LEVEL REDUNDANCY SUPPORTING MULTI-PROTOCOL LABEL SWITCHING
BA0357	US	09/257,866	6,631,420 Granted	25-Jul-05 25-Feb-99	7-Oct-03 REDUCING CONVERGE TIME BY A PROTOCOL INDEPENDENT MULTICAST (P.M.) ROUTER
BA0358	US	09/400,132	7.269.728 Granted	21-Sep-99	11-Sep-07/IAPPARATUS AND METHOD FOR DISTRIBUTING MANAGEMENT KEYS IN A MULTICAST DOMAIN
BA0359	US	09/351,268	6.678.271 Granted	12-Jul-99	13-Jan-04 HIGH PERFORMANCE SYSTEM AND METHOD HAVING A LOCAL BUS AND GLOBAL BUS
BA0361	US	09/378,141	6,535,481 Granted	20-Aug-99	19-Mar-03) NETWORK DATA ROUTING PROTECTION CYCLES FOR AUTOMATIC PROTECTION SWITCHING
BA0361	US	10/351,780	7,486,615 Granted	27-Jan-03	3Feb-09 NETWORK DATA ROUTING PROTECTION CYCLES FOR AUTOMATIC PROTECTION SWITCHING
BA0361	US	12/341,603	7,760,623 Granted	23-Dec-08	20-Jul-10 NETWORK DATA ROUTING PROTECTION CYCLES FOR AUTOMATIC PROTECTION SWITCHING
BA0364	US	09/511,777	7,185,097 Granted	24-Feb-00	27-Feb-07 ENCODING ADDRESSES IN A COMMUNICATION SYSTEM
BA0367	US	09/632,294	7,260,621 Granted	4-Aug-00	21.Aug.07 OBJECT-ORIENTED NETWORK MANAGEMENT INTERFACE
BA0367	US	09/753,342	6,842,781 Granted	29-Dec-00	11-Jan-05 DOWNLOAD AND PROCESSING OF A NETWORK MANAGEMENT APPLICATION ON A NETWORK DEVICE
BA0372	US	09/478,391	6,757,731 Granted	6-Jan-00	29-Jun-04 APPARATUS AND METHOD FOR INTERFACING MULTIPLE PROTOCOL STACKS IN A COMMUNICATION NETWORK
BA0374	US	09/305,149	6,397,248 Granted	4-May-99	28-May-02 System and method to discover end node physical connectivity to networking devices
BA0385	US	09/472,668	6,581,175 Granted	27-Dec-99	17-Jun-03 APPARATUS AND METHOD OF REQUESTING RETRANSMISSION OF A MESSAGE ACROSS A NETWORK
BA0391	US	09/667,460	6,892,245 Granted	22-Sep-00	10-May-05 MANAGEMENT INFORMATION BASE FOR A MULTI-DOMAIN NETWORK ADDRESS TRANSLATOR
BA0396	US	09/326,733	6,754,219 Granted	4-Jun-99	22-Jun-04 MODULAR ROUTING SYSTEM
BA0397	US	09/326,022	6,757,289 Granted	4-Jun-99	29-Jun-04 APPARATUS AND METHOD FOR MANAGING COMMUNICATION BETWEEN A FAILED APPLICATION AND OTHER EXECUTING APPLICATIONS
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BA0399	US	09/326,035	6,901,594 Granted	4-Jun-99	31-May-05 Apparatus and method for establishing communication between applications
BA0401	US	09/326,007	6,842,901 Granted	4-Jun-99	11-Jan-05 THREAD MEMORY RECLAMATION
BA0403	US	09/458,402	6,928,483 Granted	10-Dec-99	9-Aug-OS FAST PATH FORWARDING OF LINK STATE ADVERTISEMENTS
	US	+			22-Mar-OS FAST PATH FORWARDING OF LINK STATE ADVERTISEMENTS USING REVERSE PATH FORWARDING
BA0404	+	09/458,403	6,871,235 Granted	10-Dec-99	
BA0405	US	09/460,321	6,650,626 Granted	10-Dec-99	18-NOV-03 FAST PATH FORWARDING OF LINK STATE ADVERTISEMENTS USING A MINIMUM SPANNING TREE
BA0407	US	09/453,340	6,987,777 Granted	2-Dec-99	17-Jan-06 PRIORITY FORWARDING IN A COMMUNICATION SYSTEM
BA0408	US	09/455,955	8,199,646 Granted	7-Dec-99	12-Jun-12[SYSTEM, DEVICE AND METHOD FOR DISTRIBUTING LINK STATE INFORMATION IN A COMMUNICATION NETWORK
BA0408	US	13/479,925	8,848,527 Granted	24-May-12	30-Sep-14 SYSTEM, DEVICE AND METHOD FOR DISTRIBUTING LINK STATE INFORMATION IN A COMMUNICATION NETWORK
BA0409	US	09/458,190	7,577,958 Granted	9-Dec-99	18-Aug-09 EXPEDITING AN OPERATION IN A COMPUTER SYSTEM
BA0410	US	09/460,341	6,606,325 Granted	10-Dec-99	12-Aug-03 FAST PATH FORWARDING OF LINK STATE ADVERTISEMENTS USING MULTICAST ADDRESSING
BA0412	US	09/453,339	6,680,934 Granted	2-Dec-99	20-Jan-04 SYSTEM, DEVICE AND METHOD FOR EXPIDITING CONTROL FLOW IN A COMMUNICATION SYSTEM
BA0413	US	09/460,566	6,857,026 Granted	14-Dec-99	15-Feb-DS USING ALTERNATE ROUTES FOR FAIL-OVER IN A COMMUNICATION NETWORK
BA0414	US	09/457,209	8,161,193 Granted	8-Dec-99	17-Apr-12 SYSTEM, DEVICE AND METHOD FOR SENDING KEEP-ALIVE MESSAGES IN A COMMUNICATION NETWORK
BA0418	US	09/307,452	6,950,932 Granted	7-May-99	27-Sep-05 SECURITY ASSOCIATION MEDIATOR FOR JAVA-ENABLED DEVICES
BA0420	US	09/366,136	6,711,172 Granted	2-Aug-99	23-Mar-04 NETWORK PACKET ROUTING
BA0426	US	09/276,056	7,167,860 Granted	25-Mar-99	23-Jan-07 FAULT TOLERANCE FOR NETWORK ACCOUTING ARCHITECTURE
BA0431	US	09/276,452	6,446,200 Granted	25-Mar-99	3-Sep-02 SERVICE MANAGEMENT
BA0433	US	09/285,133	6,701,358 Granted	2-Apr-99	2-Mar-04 BULK CONFIGURING A VIRTUAL PRIVATE NETWORK
BA0435	US	09/285,550	7,000,014 Granted	2-Apr-99	14-Feb-06 MONITORING A VIRTUAL PRIVATE NETWORK
BA0436	US	09/285,424	6,765,591 Granted	2-Apr-99	20-Jul-04 MANAGING A VIRTUAL PRIVATE NETWORK
BA0442	US	09/474,203	7,127,610 Granted	29-Dec-99	24-Oct-06 APPARATUS AND METHOD OF IMPLEMENTING MULTICAST SECURITY BETWEEN MULTICAST DOMAINS
BA0443	US	09/474,477	6,594,703 Granted	29-Dec-99	15.Jul-03 APPARATUS AND METHOD FOR MINIMIZING INTERNAL MULTICAST TRAFFIC
BA0444	US	09/417,864	6,931,016 Granted	13-Oct-99	16-Aug-05 VIRTUAL PRIVATE NETWORK MANAGEMENT SYSTEM
BA0448	US	09/753,359	6,976,054 Granted	29-Dec-00	13-Dec-QS IMETHOD AND SYSTEM FOR ACESSING LOW-LEVEL RESOURCES IN A NETWORK DEVICE
BA0449	US	09/634,046	6,772,205 Granted	8-Aug-00	3Aug-Cod Executing Applications on a target network device using a proxy network device
BA0452	US	09/353,906	6,889,183 Granted	15-Jul-99	3-May-QS APPARATUS AND METHOD OF REGENERATING A LOST AUDIO SEGMENT
BA0454	US	09/407,915	7,702,732 Granted	29-Sep-99	20-Agr-10 METHODS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET
BA0454	US	12/715,602	8,370,463 Granted	2-Mar-10	5-Feb-13 IMETHODS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET
	_	+			15-Jul-14 METHODS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET
BA0454	US	13/758,452	8,782,183 Granted	4-Feb-13	
BA0455	US	09/408,380	6,684,241 Granted	29-Sep-99	27-Jan-04 APPARATUS AND METHOD OF CONFIGURING A NETWORK DEVICE
BA0457	US	09/370,984	6,798,786 Granted	20-Aug-99	28-Sep-04 MANAGING CALLS OVER A DATA NETWORK
BA0467	US	09/417,155	6,560,654 Granted	12-Oct-99	6-May-03 APPARATUS AND METHOD OF MAINTAINING TIMELY TOPOLOGY DATA WITHIN A LINK STATE ROUTING NETWORK
BA0468	US	09/528,261	7,082,140 Granted	17-Mar-00	25-Jul-06 SYSTEM, DEVICE, AND METHOD FOR SUPPORTING A LABEL SWITCHED PATH ACROSS A NON-MPLS COMPLIANT SEGMENT
BA0469	US	09/575,266	6,735,195 Granted	22-May-00	11-May-04 APPARATUS AND METHOD OF MINIMIZING DELAY OF TRANSMISSIONS OVER A NETWORK
BA0471	US	09/618,530	7,023,846 Granted	18-Jul-00	4-Apr-06 SYSTEM, DEVICE, AND METHOD FOR ESTABLISHING AND REMOVING A LABEL SWITCHED PATH IN A COMMUNICATION NETWORK
BA0472	US	09/660,370	7,360,084 Granted	12-Sep-00	15-Apr-08 SYSTEM, DEVICE, AND METHOD FOR CONTROLLING ACCESSS IN A MULTICAST COMMUNICATION NETWORK
BA0474	US	09/648,273	6,975,587 Granted	25-Aug-00	13-Dec-05 MECHANISM FOR AUTOMATIC PROTECTION SWITCHING IN A ROUTER
BA0475	US	09/438,813	6,628,429 Granted	10-Nov-99	30-Sep-03 SYSTEM AND METHOD TO EFFECTIVELY SUPRESS IDLE FAX SIGNALS
D. 1.0.10.0		00/070 707	5020420		METHOD AND APPARATUS OF PROCESSING PACKETS HAVING VARYING PRIORITIES BY ADJUSTING THEIR DROP FUNCTIONS ACCORDING TO A PREDEFINED FAIRNESS
BA0483	US	09/678,762	6,820,128 Granted	3-Oct-00	16-Nov-04 RELATIONSHIP
BA0484	US	09/672,114	6,760,306 Granted	27-Sep-00	6-Jul-04 METHOD FOR RESERVING NETWORK RESOURCES USING A HIERACHICAL/SEGMENT TREE FOR STARTING AND ENDING TIMES OF REQUEST
BA0486	US	09/639,216	6,775,701 Granted	15-Aug-00	10-Aug-04 OVERSUBSCRIBING NETWORK RESOURCES
BA0489	US	09/638,373	7,606,146 Granted	15-Aug-00	20-Oct-09 METHOD AND APPARATUS FOR IMPLEMENTING A POLICY-BASED MANAGEMENT SYSTEM ON A NETWORK DEVICE
BA0490	US	09/668,220	7,233,567 Granted	22-Sep-00	19-Jun-07 APPARATUS AND METHOD FOR SUPPORTING MULTIPLE TRAFFIC REDUNDANCY MECHANISMS
BA0491	US	09/668,219	7,184,396 Granted	22-Sep-00	27-Feb-07 SYSTEM, DEVICE AND METHOD FOR BRIDGING NETWORK TRAFFIC
BA0493	US	09/638,372	7,065,042 Granted	15-Aug-00	20-Jun-06 AGGREGATING FILTERS
DE0001	US	09/126,875	6,324,402 Granted	31-Jul-98	27-Nov-01 INTEGRATION SCHEME FOR A MOBILE TELEPHONE
FR0117	US	09/807,785	7,089,009 Granted	17-Apr-01	8-Aug-06 METHOD AND APPARATUS FOR SETTING UP A CONNECTION TO A TARGET BASE STATION IN A CELLULAR OR CORDELESS MOBILE COMMUNICATIONS SYSTEM
		1.			METHOD AND APPARATUS FOR SELECTING PARAMETERS IN A CELLULAR RADIO COMMUNICATION NETWORK ADAPTATION PARAMETRE RESEAU-FR980815G- PROCEDE ET
FR0123	US	09/720,514	6,975,869 Granted	23-Jun-99	13-Dec-05 DISPOSITIF DE SELECTION DE PARAMETRES DANS UN RESEAU CELLULAIRE DE RADIOCOMMUNICATION
HQ0036	US	08/667,951	6,128,471 Granted	19-Jun-96	3-Oct-00 TELECOMMUNICATION METHOD AND SYSTEM FOR COMMUNICATING WITH MULTIPLE TERMINALS IN A BUILDING THROUGH MULTIPLE ANTENNAS
HQ0043	US	08/755,431	5,802,043 Granted	21-Nov-96	1-Sep-98 TRANSPORT ARCHITECTURE AND NETWORK ELEMENTS
HQ0045	US	08/798,747	6,098,065 Granted	13-Feb-97	1-Aug-00 AN ASSOCIATIVE SEARCH ENGINE
HQ0045	US	09/351,747	7,236,969 Granted	8-Jul-99	26-Jun-07 ASSOCIATIVE SEARCH ENGINE

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HQ0045	US	11/767,563	7,895,183	Granted	25-Jun-07	27.Fah.11	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	11/767,569	7,672,970		25-Jun-07		ASSOCIATIVE SEARCH ENGINE
HQ0045	US	11/767,584	7,895,178		25-Jun-07		ASSOCIATIVE SEARCH ENGINE
HQ0045	US	11/767,632	7,933,883		25-Jun-07		ASSOCIATIVE SEARCH ENGINE
HQ0045	US	11/767,650	7,469,245		25-Jun-07		ASSOCIATIVE SEARCH ENGINE
HQ0045	US	12/418,386	7,945,553		3-Apr-09		ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/723,707	8,631,036		21-Dec-12	,	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/724,076	#EMPTY	Filed	21-Dec-12		ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/724,147	8,645,351		21-Dec-12		ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/724,209	8,706,713	Granted	21-Dec-12	22-Apr-14	ASSOCIATIVE SEARCH ENGINE
HU0117	US	08/796,591	5,912,962	Granted	6-Feb-97	15-Jun-99	A METHOD FOR PORTING FOR USE WITH LOCAL NUMBER PORTABILITY
HU0118	US	08/982,313	6,335,963	Granted	1-Dec-97	1-Jan-02	SYSTEM AND METHOD FOR PROVIDING NOTIFICATION OF A RECEIVED ELECTRONIC MAIL MESSAGE
HU0120	US	08/815,663	5,937,041	Granted	10-Mar-97	10-Aug-99	SYSTEM AND METHOD FOR RETRIEVING INTERNET DATA FILES USING ASCREEN DISPLAY TELEPHONE TERMINAL
HU0120	US	08/901,763	5,923,738	Granted	29-Jul-97	13-Jul-99	SYSTEM AND METHOD FOR RETRIEVING INTERNET DATA FILES USING ASCREEN DISPLAY TELEPHONE TERMINAL
HU0120	US	08/902,101	5,930,341	Granted	29-Jul-97	27-Jul-99	SYSTEM AND METHOD FOR RETRIEVING INTERNET DATA FILES USING ASCREEN DISPLAY TELEPHONE TERMINAL
HU0125	US	09/223,972	6,965,925	Granted	31-Dec-98	15-Nov-05	DISTRIBUTED OPEN ARCHITECTURE FOR MEDIA AND TELEPHONY SERVICES
HU0128	US	09/223,842	6,445,776	Granted	31-Dec-98	3-Sep-02	ABSTRACT INTERFACE FOR MEDIA AND TELEPHONY SERVICES
HU0137	US	09/195,774	6,526,135	Granted	18-Nov-98	25-Feb-03	AUTOMATED COMPETITIVE BUSINESS CALL DISTRIBUTION (ACBCD) SYSTEM
HU0138	US	09/193,277	6,714,641	Granted	17-Nov-98	30-Mar-04	WEB BASED PERSONAL DIRECTORY
HU0138	US	10/777,696	7,020,262	Granted	12-Feb-04	28-Mar-06	WEB BASED PERSONAL DIRECTORY
HU0140	US	09/185,492	6,327,344	Granted	3-Nov-98	4-Dec-01	ENHANCED NETWORK SUBSCRIBER SERVICE (ENSS)
HU0143	US	09/183,002	6,148,285	Granted	30-Oct-98	14-Nov-00	ALLOPHONIC TEXT-TO-SPEECH GENERATOR
HU0144	US	09/054,681	6,259,771	Granted	3-Apr-98	10-Jul-01	WEB BASED VOICE RESPONSE SYSTEM
HU0146	US	09/392,367	6,449,636	Granted	8-Sep-99	10-Sep-02	SYSTEM AND METHOD FOR CREATING A DYNAMIC DATA FILE FROM COLLECTED AND FILTERED WEB PAGES
HU0152	US	09/390,865	6,798,772	Granted	7-Sep-99	28-Sep-04	METHOD FOR PUBLIC ACCESS TO PRIVATE PHONE NUMBERS AND OTHER TELEPHONIC PERIPHERALS USING A CALLER ACCESS CODE
HU0152	US	10/823,554	7,280,535	Granted	14-Apr-04	9-Oct-07	METHOD FOR PUBLIC ACCESS TO PRIVATE PHONE NUMBERS AND OTHER TELEPHONIC PERIPHERALS USING A CALLER ACCESS CODE
HU0154	US	09/421,024	6,714,637	Granted	19-Oct-99	30-Mar-04	CUSTOMER PROGRAMMABLE CALLER ID ALERTING INDICATOR
ID0269	US	08/765,293	6,016,320	Granted	21-Jun-95	18-Jan-00	TELECOMMUNICATIONS SYSTEM
ID0284	US	08/628,738	5,901,356	Granted	28-Jul-95	4-May-99	CELLULAR COMMUNICATIONS SYSTEM
ID0341	US	08/930,288	6,215,771	Granted	29-Mar-96	10-Apr-01	TRAFFIC ROUTING IN A TELECOMMUNICATIONS NETWORK
ID0356	US	09/011,571	6,133,958	Granted	29-Jul-96	17-Oct-00	BROADCAST VIDEO DESYNCHRONISER
ID0433	US	08/739,367	6,449,278	Granted	29-Oct-96	10-Sep-02	EXCHANGE FOR COMMUNICATION NETWORK
ID0438	US	09/117,594	6,671,285	Granted	21-Mar-97		METHOD FOR CHARGING IN A DATA COMMUNICATION NETWORK
ID0451	US	09/214,448	6,215,929	Granted	3-Jul-97	10-Apr-01	DISPERSION COMPENSATING WAVEGUIDE FOR OPTICAL TRANSMISSION SYSTEMS
ID0470	US	08/838,608	5,886,629	Granted	10-Apr-97	23-Mar-99	COMMISSIONING/DECOMMISIONING TOOL
ID0499	US	09/194,004	6,144,783	Granted	30-Jul-97		OPTICAL MULTIPLEXTER/DEMULTIPLEXER
ID0525	US	09/083,469	6,400,496		22-May-98		OPTICALLY AMPLIFIED WDM TRANSMISSION SYSTEM
ID0532	US	09/202,423	6,519,257		3-Jul-97		ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
ID0532	US	11/055,787		Granted	10-Feb-05		ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
ID0532	US	11/759,494	8,547,849		7-Jun-07		ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
ID0533	US	09/230,011	6,785,532		25-Jul-97		POWER LINE COMMUNICATIONS
ID0535	US	09/230,009	6,317,031		25-Jul-97		POWER LINE COMMUNICATIONS
ID0553	US	09/254,901	6,597,708		17-Oct-97		DIGITAL COMMUNICATIONS SYSTEM
ID0571	US	08/789,974	6,198,734		29-Jan-97		ADAPTIVE RADIO COMMUNICATIONS SYSTEM
ID0584	US	08/975,014	6,163,525		20-Nov-97		NETWORK RESTORATION
ID0604	US	08/864,789	6,282,170		29-May-97		NETWORK RESTORATION ROUTING OPTIMISATION OPTIMIS ADMINIS BY MODULATING A DILISE TRAIN
ID0613	US	08/865,492	6,229,633		29-May-97	-	OPTICAL SAMPLING BY MODULATING A PULSE TRAIN SCALABLE DATA NETWORK ROUTER
ID0640	US	09/319,137	6,466,578		1-Dec-97		DEALABLE DATA NET WORK ROUTEK METHOD AND APPARATUS FOR MODELLING A SYSTEM WHICH INCLUDES THE TRANSMISSION AND RECEPTION OF SIGNALS
ID0657	US	08/882,453	6,128,589		26-Jun-97		METHOD AND APPARATUS FOR MODELLING A STSTEM WHICH INCLUDES THE TRANSMISSION AND RECEPTION OF SIGNALS METHOD AND APPARATUS FOR PHASE DETECTION IN DIGITAL SIGNALS
ID0673	US	09/156,019	6,151,356 6,310,996		17-Sep-98 29-Jan-98		WRITING BRAGG GRATINGS IN OPTICAL WAVEGUIDES
ID0679 ID0694	US	09/015,675	6,574,223		29-Jan-98 13-Jul-99		ADAPTATION LAYER SWITCHING
100034	03	07/341,304	0,3/4,223	or anticu	15-101-99	5-Juli-05	METHOD AND SYSTEM OF PROVIDING IMPROVED NETWORK MANAGEMENT DATA BETWEEN A PLURALITY OF NETWORK ELEMENTS AND A MANAGEMENT SYSTEM FOR
ID0701	US	09/010,387	6,477,566	Granted	21-Jan-98	5-Nov-02	INCREASING A FLOW AND DECREASING AN AMOUNT OF DATA TRANSFER

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ID0711	US	09/065,934	6,171,143 Granted	24-Apr-98	9-Jan-01	MULTIPLE COAXIAL CABLE CONNECTOR
ID0722	US	09/620,398	6,570,868 Granted	20-Jul-00	27-May-03	SYSTEM AND METHOD FOR ESTABLISHING A COMMUNICATION CONNECTION
ID0722	US	10/444,404	7,545,800 Granted	23-May-03	9-Jun-09	SYSTEM AND METHOD FOR ESTABLISHING A COMMUNICATION CONNECTION
ID0724	US	08/914,919	6,262,991 Granted	19-Aug-97	17-Jul-01	COMMUNICATION SYSTEM ARCHITECTURE, INFRASTRUCTURE EXCHANGE AND METHOD OF OPERATION
ID0737	US	08/869,901	5,999,284 Granted	5-Jun-97	7-Dec-99	OPTICAL DETECTION AND LOGIC DEVICES WITH LATCHING FUNCTION
ID0745	US	09/089,796	6,396,840 Granted	3-Jun-98	28-May-02	METHOD, INTERFACE AND SYSTEM FOR CONNECTING COMMUNICATION TRAFFIC ACROSS AN INTERMEDIATE NETWORK
ID0752	US	09/006,380	6,049,819 Granted	13-Jan-98	11-Apr-00	COMMUNICATIONS NETWORK INCORPORATING AGENT ORIENTED COMPUTING ENVIRONMENT
ID0753	US	09/445,917	7,286,488 Granted	12-Jun-98	23-Oct-07	MULTIMEDIA COMMUNICATIONS IN A TELECOMMUNICATIONS NETWORK
ID0769	US	09/371,983	6,873,597 Granted	11-Aug-99	29-Mar-05	REDUCED DATA RATE COMMUNICATION SYSTEM
ID0780	US	09/089,728	6,487,194 Granted	3-Jun-98	26-Nov-02	COMMUNICATIONS NETWORK
ID0788	US	08/960,787	6,560,588 Granted	30-Oct-97	6-May-03	METHOD AND APPARATUS FOR IDENTIFYING ITEMS OF INFORMATION FROM A MULTI-USER INFORMATION SYSTEM
ID0801	US	09/185,932	6,166,850 Granted	4-Nov-98	26-Dec-00	OPTICAL AMPLIFIER GAIN CONTROL
ID0818	US	09/185,390	6,373,923 Granted	3-Nov-98	16-Apr-02	LINE TESTING METHOD AND APPARATUS THEREFOR
ID0821	US	09/052,736	6,400,701 Granted	31-Mar-98	4-Jun-02	ASYMMETRIC INTERNET ACCESS OVER FIXED WIRELESS ACCESS
ID0824	US	09/152,838	6,226,509 Granted	15-Sep-98	1-May-01	IMAGE REJECT MIXER, CIRCUIT AND METHOD FOR IMAGE REJECTION
ID0835	US	09/156,541	6,917,586 Granted	17-Sep-98	12-Jul-05	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING METHODS THEREOF
ID0835	US	11/065,308	7,675,853 Granted	24-Feb-05	9-Mar-10	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING METHODS THEREOF
ID0836	US	09/509,089	6,990,105 Granted	21-Sep-98	24-Jan-06	TRANSPORTING MULTIPROTOCOL DATAGRAMS
ID0845	US	08/991,273	6,385,196 Granted	16-Dec-97	7-May-02	COMMUNICATION SYSTEM ARCHITECTURE AND A MANAGEMENT CONTROL AGENT AND OPERATING PROTOCOL THEREFOR
ID0847	US	09/057,222	6,266,342 Granted	8-Apr-98	24-Jul-01	ADAPTABLE RESOURCE MODULE AND OPERATING METHOD THEREFOR
ID0850	US	09/470,629	6,954,461 Granted	22-Dec-99	11-Oct-05	COMMUNICATIONS NETWORK
ID0852	US	09/082,102	6,272,110 Granted	20-May-98	7-Aug-01	METHOD AND APPARATUS FOR MANAGING AT LEAST PART OF A COMMUNICATIONS NETWORK
ID0859	US	09/049,708	6,137,878 Granted	28-Mar-98	24-Oct-00	METHOD FOR OUTPUTTING USER FEEDBACK AUDIO MESSAGES AND TELECOMMUNICATIONS EQUIPMENT EMPLOYING SAID METHOD
ID0873	US	09/028,540	6,359,906 Granted	24-Feb-98	19-Mar-02	PROVIDING DIGITAL SERVICES TO TELEPHONE SUBSCRIBERS
ID0882	US	09/143,466	6,496,519 Granted	27-Aug-98	17-Dec-02	FRAME BASED DATA TRANSMISSION OVER SYNCHRONOUS DIGITAL HIERACHY NETWORK
ID0882	US	10/233,183	6,816,496 Granted	29-Aug-02	9-Nov-04	FRAME BASED DATA TRANSMISSION OVER SYNCHRONOUS DIGITAL HIERACHY NETWORK
ID0889	US	09/143,465	6,584,118 Granted	27-Aug-98		PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
ID0889	US	10/230,050	6,704,326 Granted	28-Aug-02		PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS METHOD AND APPARATUS FOR MANAGING A COMMUNICATIONS NETWORK BY STORING MANAGEMENT INFORMATION ABOUT TWO OR MORE CONFIGURATON STATES
ID0895	US	09/072,811	6,308,174 Granted	5-May-98		OF THE NETWORK
ID0897	US	09/010,475	6,408,163 Granted	21-Jan-98		METHOD AND APPARATUS FOR REPLICATING OPERATIONS ON DATA
ID0931	US	09/165,053	6,175,671 Granted	1-Oct-98		PHOTONIC CRYSTAL WAVEGUIDE ARRAYS
ID0933	US	09/157,234	6,563,539 Granted	18-Sep-98		CHARGE TRANSFER CIRCUIT FOR USE IN IMAGING SYSTEMS
ID0935	US	09/135,967	6.271.952 Granted	18-Aug-98	,	POLARISATION MODE DISPERSION COMPENSATION
ID0945	US	09/396,987	6,907,003 Granted	16-Sep-99	14-Jun-05	METHOD OF MONITORING PACKET COMMUNICATIONS TRAFFIC
ID0951	US	09/114,778	6,404,773 Granted	13-Jul-98	11-Jun-02	CARRYING SPEECH-BAND SIGNALS OVER A POWER LINE COMMUNICATIONS SYSTEM
ID0959	US	09/111,682	6,275,223 Granted	8-Jul-98	14-Aug-01	INTERACTIVE ON LINE CODE INSPECTION PROCESS AND TOOL
ID0965	US	09/346,323	6,519,261 Granted	2-Jul-99	11-Feb-03	ASYNCHRONOUS TRANSFER MODE ADAPTATION ARRANGEMENTS
ID0986	US	09/349,347	7,016,375 Granted	7-Jul-99	21-Mar-06	INTEGRATED CONNECTION ADMISSION CONTROL AND BANDWIDTH ON DEMAND FOR A ACCESS ASYNCHRONOUS NETWORK
ID0993	US	09/086,116	6,396,853 Granted	28-May-98	28-May-02	PROVIDING DATA SERVICES TO TELECOMMUNICATIONS USER TERMINALS
ID0994	US	09/294,708	6,587,469 Granted	19-Apr-99	1-Jul-03	TELECOMMUNICATIONS SYSTEM
ID1004	US	09/222,019	6,937,612 Granted	31-Dec-98	30-Aug-05	COMMUNICATIONS METHOD AND APPARATUS
ID1013	US	09/211,881	6,353,628 Granted	15-Dec-98	5-Mar-02	APPARATUS, METHOD AND SYSTEM HAVING REDUCED POWER CONSUMPTION IN A MULTI-CARRIER WIRELINE ENVIRONMENT
ID1045	US	09/346,322	6,574,224 Granted	2-Jul-99	3-Jun-03	PROCESSING COMMUNICATION TRAFFIC
ID1068	US	09/190,081	6,522,627 Granted	12-Nov-98	18-Feb-03	MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
ID1072	US	09/305,633	6,549,530 Granted	5-May-99	15-Apr-03	INTEGRATED SIGNALLING FOR ASYNCHRONOUS NETWORKS
ID1078	US	09/368,280	6,498,786 Granted	3-Aug-99	24-Dec-02	METHOD OF ALLOCATING RESOURCES IN A TELECOMMUNICATIONS NETWORK
ID1079	US	09/368,275	6,556,548 Granted	3-Aug-99	29-Apr-03	METHOD OF ALLOCATING RESOURCES IN A TELECOMMUNICATIONS NETWORK
ID1081	US	09/190,082	6,507,577 Granted	12-Nov-98	14-Jan-03	VOICE OVER INTERNET PROTOCOL NETWORK ARCHITECTURE
ID1086	US	09/364,132	6,577,650 Granted	30-Jul-99	10-Jun-03	METHOD OF SETTING-UP AND CONTROLLING SYNCHRONIZATION WITHIN A MODEM
			6,353,636 Granted	23-Dec-98	5-Mar-02	SYMBOL ALIGNMENT METHOD
ID1089	US	09/219,005	0,535,050 01411120	23-060-30	3 mai v.	3 I M DOE NEGOTIVE IN EATHOR
ID1089 ID1097	US US	09/219,005	6,925,054 Granted	7-Dec-98		NETWORK PATH DETECTION
		+			2-Aug-05	

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ID1112	US	09/342,362	6,577,627 Granted	29-Jun-99		SERVCIE SELECTION ON IP ACCESS NETWORKS
MM0100	US	09/122,433	6,434,156 Granted	24-Jul-98	_	VIRTUAL SWITCHING FOR INTERCONNECTED NETWORKS
MM0103	US	08/666,800	5,790,641 Granted	19-Jun-96		SYSTEM AND METHOD FOR IMPROVING FACSIMILE DELAY TOLERANCES
MM0103	US	09/059,635	5,949,861 Granted	13-Apr-98		SYSTEM AND METHOD FOR IMPROVING PROTOCOL DELAY TOLERANCES
MM0104	US	08/634,927	6,298,057 Granted	19-Apr-96		SYSTEM AND METHOD FOR RELIABLE TRANSPORTING AURAL INFORMATION ACROSS A NETWORK (AS AMENDED)
MM0105	US	08/724,655	5,940,479 Granted	1-Oct-96		SYSTEM AMD METHOD FOR TRANSMITTING AURAL INFORMATION BETWEEN A COMPUTER AND TELEPHONE EQUIPMENT
MO0144	US	08/398,264	5,583,359 Granted	3-Mar-95		CAPACITOR STRUCTURE FOR AN INTEGRATED CIRCUIT AND METHOD OF FABRICATION THEREOF
MO0146	US	08/764,367	6,077,715 Granted	12-Dec-96		FERROELECTRIC DIELECTRIC FOR INTEGRATED CIRCUIT APPLICATIONSAT MICROWAVE FREQUENCIES
MO0160	US	08/948,034	5,831,992 Granted	9-Oct-97		METHODS AND APPARATUS FOR FAULT DIAGNOSIS IN SELF-TESTABLE SYSTEMS
MO0162	US	08/595,116	5,753,945 Granted	1-Feb-96		INTEGRATED CIRCUIT STRUCTURE COMPRISING A ZIRCONIUM TITANIUMOXIDE BARRIER LAYER AND METHOD OF FORMING A ZIRCONIUM TITANIUM OXIDE BARRIER LAYER
M00175	US	08/743,898	5,844,436 Granted	6-Nov-96		METHOD OF RECOVERING A SAMPLING CLOCK IN A FRAMED DATA COMMUNICATIONS FORMAT WITH REDUCED PHASE JITTER AND WANDER
MO0180	US	08/691,056	5,838,551 Granted	1-Aug-96		ELECTRONIC PACKAGE
M00201	US	09/054,440	6,058,144 Granted	3-Apr-98	- '	MULTI GB/S DATA PULSE RECEIVER
RC1016	US	09/295,652	6,493,351 Granted	21-Apr-99		COLLISION DETECTION ON A DIFFFERENTIAL BUS
RC1025	US	09/295,714	6,625,163 Granted	21-Apr-99		COLLISION DETECTION ON A DIFFERENTIAL BUS
RG1025	US	09/361,854	6,563,926 Granted	27-Jul-99		RESETTING SURGE PROTECTION IN TELEPHONE LINE INTERFACE CIRCUITS
RM1078	US	08/753,605	5,845,245 Granted	27-Nov-96	1-Dec-98	METHOD AND APPARATUS FOR REDUCING FALSE REJECTION IN A SPEECH RECOGNITION SYSTEM
RM1081	US	09/377,049	6,212,261 Granted	19-Aug-99		INTERNET BASED TELEPHONE CALL MANAGER
RM1081	US	09/401,521	8,189,747 Granted	22-Sep-99		INTERNET-BASED TELEPHONE CALL MANAGER
RM1082	US	08/773,494	6,289,090 Granted	23-Dec-96	11-Sep-01	DELIVERY OF DISPLAY INFORMATION TO THE CALLER IN AN ADVANCED INTELLIGENT NETWORK
RM1083	US	08/772,257	5,956,393 Granted	23-Dec-96	21-Sep-99	SYSTEM AND METHOD FOR LIMITING CALL VELOCITY ATTEMPTS IN A PUBLIC SWITCHED TELEPHONE NETWORK
RM1093	US	09/355,394	6,782,095 Granted	27-Jul-99	24-Aug-04	METHOD AND APPARATUS FOR PERFORMING SPECTRAL PROCESSING IN TONE DETECTION
RM1094	US	08/994,007	5,983,177 Granted	18-Dec-97	9-Nov-99	METHOD AND APPARATUS FOR OBTAINING TRANSCRIPTIONS FROM MULTIPLE TRAINING UTTERANCES
RM1095	US	08/964,023	6,073,099 Granted	4-Nov-97	6-Jun-00	PREDICTING AUDITORY CONFUSIONS USING A WEIGHTED LEVINSTEIN DISTANCE
RM1099	US	08/934,892	6,006,182 Granted	22-Sep-97	21-Dec-99	SPEECH RECOGNITION REJECTION METHOD USING GENERALIZED ADDITIVE MODELS
RM1107	US	08/994,008	6,185,565 Granted	18-Dec-97	6-Feb-01	SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSIVE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THEINTERNET
RM1113	US	08/934,736	6,253,178 Granted	22-Sep-97	26-Jun-01	SEARCH AND RESCORING METHOD FOR A SPEECH RECOGNITION SYSTEM
RM1115	US	09/119,621	6,092,045 Granted	21-Jul-98	18-Jul-00	METHOD AND APPARATUS FOR SPEECH RECOGNITION
RM1116	US	08/965,781	6,098,040 Granted	7-Nov-97	1-Aug-00	METHOD AND APPARATUS FOR PROVIDING AN IMPROVED FEATURE SET IN SPEECH RECOGNITION BY PERFORMING NOISE CANCELLATION AND BACKGROUND MASKING
RM1117	US	08/954,469	6,253,173 Granted	20-Oct-97	26-Jun-01	SPLIT-VECTOR QUANTIZATION FOR SPEECH SIGNAL INVOLVING OUT-OF-SEQUENCE REGROUPING OF SUB-VECTORS
RM1118	US	08/994,762	6,304,649 Granted	19-Dec-97	16-Oct-01	METHOD AND SYSTEM FOR PROCESSING AN INCOMING CALL
RM1120	US	08/928,769	6,122,361 Granted	12-Sep-97	19-Sep-00	AUTOMATED DIRECTORY ASSISTANCE SYSTEM UTILIZING A PRIORI ADVISOR FOR PREDICTING THE MOST LIKELY REQUESTED LOCALITY
RM1126	US	09/215,466	6,681,006 Granted	17-Dec-98	20-Jan-04	SERVICE ACTIVATION UPON AUTOMATIC CALLBACK AND AUTOMATIC RECALL EXPIRATION
RM1130	US	09/046,645	6,144,723 Granted	24-Mar-98	7-Nov-00	METHOD AND APPARATUS FOR PROVIDING VOICE ASSISTED CALL MANAGEMENT IN A TELECOMMUNICATIONS NETWORK
RM1134	US	09/062,969	6,859,451 Granted	21-Apr-98	22-Feb-05	SERVER FOR HANDLING MULTIMODAL INFORMATION
RM1136	US	09/144,111	6,393,467 Granted	31-Aug-98		NETWORK INTERCONNECTED COMPUTING DEVICE, SERVER AND NOTIFICATION METHOD
DM1127	lie	00/144 110	6 352 340 Granted	21 Aug 00		EXAMINER AMENDED TITLE TO READ "TELEPHONE NETWORK SYSTEM HAVING GATEWAY FORFORWARDING AND BRIDGING TELEPHONE CALL ACROSS NETWORKS AND ALLOWING END-USERS TO MAINTAIN HIGH QUALITY CALL CONNECTION", HOWEVER, GRANTED PATENT COVER PAGE FAILS TO REFLECT THIS C
RM1137	US	09/144,110	6,253,249 Granted	31-Aug-98		
RM1138	US	09/144,109	6,393,122 Granted	31-Aug-98	- '	METHOD AND DEVICE FOR PROVIDING INTERMEDIATE TELEPHONE SERVICE WITH ENHANCED NETWORK RELIABILITY METHOD AND DEVICES FOR PROVIDING NETWORK SERVICES FROM SEVERAL SERVERS
RM1139	US	10/227,413	6,801,952 Granted	26-Aug-02		
RM1143	US	09/184,030	6,240,449 Granted	2-Nov-98	- '	METHOD AND APPARATUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETWORK DOMAINS DIGITAL SINGLE DEPOLIENCY TONE DETECTION IN DESCRICE OF ALIASES.
RN1044	US	08/686,353	5,910,906 Granted	25-Jul-96		DIGITAL SINGLE-FREQUENCY TONE DETECTION IN PRESENCE OF ALIASES METHOD AND ADCHITECTURE FOR REQUIRING TELEPHONIX DETAILEST DATA NETWORKS AND RETAIL
RN1048	US	09/202,898	6,735,168 Granted	25-Jun-97		METHOD AND ARCHITECTURE FOR PROVIDING TELEPHONY BETWEEN DATA NETWORKS AND PSTN SYSTEM FOR MANAGING AN AUDIO CONFERENCE
RN1050	_	08/954,468	6,148,068 Granted	20-Oct-97		
RN1057	US	08/873,875	5,995,557 Granted	12-Jun-97		TONE DETECTION WITH ALIASING BANDPASS FILTERS CONVERTING DEVICE FOR ALLEVIATING SWITCH CONGESTION CAUSED BY LONG HOLD TIMES FOR ON-UNE ACCESS CALLS
RN1080	US	08/990,941	6,421,337 Granted	15-Dec-97		METHOD AND SYSTEM FOR ASSIGNING MULTIPLE DIRECTORY NUMBERS (DN) TO A PERSONAL COMMUNICATION SYSTEM (PCS) TELEPHONE
RN1082	_	09/039,579	6,618,587 Granted	16-Mar-98		
RN1083	US	09/361,099	6,549,621 Granted	26-Jul-99		METHOD AND SYSTEM FOR INTEGRATING A COMPUTER AND A TELEPHONE PROGRAMMABLE ACCESS CARRIER SELECTION TERMINAL
RN1104	US	09/129,724	6,222,911 Granted	5-Aug-98		
RN1105	US	09/102,016	6,952,416 Granted	22-Jun-98		TREATMENTS IN A DISTRIBUTED COMMUNICATIONS SYSTEM METHOD AND SYSTEM FOR DYNAMIC RISK ASSESSMENT OF SOFTWARE SYSTEMS
RN1111	US	09/153,021	6,219,805 Granted	15-Sep-98		
RN1114	US	09/281,503	6,493,336 Granted	30-Mar-99		SYSTEM OPTIMIZED ALWAYS ON DYNAMIC INTEGRATED SERVICES DIGITAL NETWORK
RN1115	US	09/187,975	6,430,176 Granted	6-Nov-98		MULTIMEDIA CHANNEL MANAGEMENT THROUGH PSTN SIGNALING
RN1117	US	09/065,124	6,256,389 Granted	23-Apr-98	3-Jul-01	INTEGRATED TELECOMMUNICATION COLLABORATION SYSTEM

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RN1118	US	09/164,885	6,826,272 Granted	1-Oct-98	30-Nov-04 METHOD AND APPARATUS FOR INTEGRATED MULTIMEDIA CALL CONTROL
RN1120	US	09/150,314	6,330,329 Granted	9-Sep-98	11-Dec-01 METHOD AND APPARATUS WITHIN A SWITCH FOR PERFORMING CIRCULAR HUNTS WITH A WINDOW
RN1156	US	09/327,049	6,591,301 Granted	7-Jun-99	8-Jul-03 IMETHODS AND SYSTEMS FOR CONTROLLING NETWORK GATEKEEPER MESSAGE PROCESSING
RN1156	US	10/454,208	6,907,462 Granted	4-Jun-03	14-Jun-05 INETWORK GATEKEEPER PRIORITIZING METHOD AND SYSTEM
IIIIII	-	10/ 434,200	0,501,402 dianea	43411 03	METHOD AND APPARATUS FOR DYNAMIC INFORMATION TRANSFER FROM A MOBILE TARGET TO A FIXED TARGET THAT TRACKS THEIR RELATIVE MOVEMENT AND
RN1157	US	09/303,310	6,742,037 Granted	30-Apr-99	25-May-04 SYNCHRONIZES DATA BETWEEN THEM
RN1159	US	09/249,051	6,657,992 Granted	12-Feb-99	2-Dec-03 SYSTEM AND METHOD FOR PROVIDING SERVICE CONTROL TO A SINGLE TELEPHONE END TERMINAL FROM MULTIPLE SERVICE PROVIDERS
RN1159	US	10/411,162	7,369,539 Granted	10-Apr-03	6-May-98 SYSTEM AND METHOD FOR PROVIDING SERVICE CONTROL TO A SINGLE TELEPHONE END TERMINAL FROM MULTIPLE SERVICE PROVIDERS
RO2770	US	08/320,849	5,987,099 Granted	7-Oct-94	16-Nov-99 LOW POWER WIRELESS SYSTEM FOR TELEPHONE SERVICES
RO2883	US	08/443,515	5,552,961 Granted	18-May-95	3-Sep-96 ELECTRONIC UNIT
RO2953	US	08/419,898	5,675,578 Granted	11-Apr-95	7-O-t-97 METHOD OF TRACING THE ROUTE OF VIRTUAL CONNECTIONS
RO2953	US	08/938,630	5,901,141 Granted	26-Sep-97	4-May-99 METHOD OF TRACING THE ROUTE OF VIRTUAL CONNECTIONS
RO2953	US	09/292,356	6,563,795 Granted		13-May 03 METHOD OF TRACING THE ROUTE OF VIRTUAL CONNECTIONS
	+	+		16-Apr-99	
RO2971	US	08/535,404	6,421,444 Granted	28-Sep-95	16-Jul-02 EMBEDDED HIGHER ORDER MICROPHONE
RO2972	US	08/390,715	5,960,075 Granted	16-Feb-95	28-Sep-99 SWITCHMODE POWER CONVERTERS FOR TELEPHONE SUBSCRIBER LINE INTERFACE CIRCUITS
RO2991	US	08/534,668	5,867,569 Granted	27-Sep-95	2.Feb-99 ENHANCED EFFICIENT TELEPHONE NUMBER PORTABILITY
RO2991	US	09/020,444	6,411,703 Granted	9-Feb-98	25-Jun-02 GEOGRAPHICALLY DISTRIBUTED TELEPHONY
RO3003	US	08/812,834	5,828,666 Granted	6-Mar-97	27-Oct-98 AN IMPROVED ACCESS TO TELECOMMUNICATIONS NETWORKS IN MULTISERVICE ENVIRONMENT
RO3009	US	08/721,095	6,125,111 Granted	27-Sep-96	26-Sep-00 ARCHITECTURE FOR A MODULAR COMMUNICATIONS SWITCHING SYSTEM
RO3014	US	08/634,488	5,754,530 Granted	18-Apr-96	19-May-98 FLOW CONTROL OF ABR TRAFFIC IN ATM NETWORKS
RO3026	US	08/899,794	5,912,850 Granted	24-Jul-97	15-Jun-99 MULTI-PORT RAM WITH SHADOW WRITE TEST ENHANCEMENT
RO3041	US	08/753,880	5,822,415 Granted	2-Dec-96	13-Oct-98 METHOD FOR COUNTING PAY PER USE FEATURE ACTIVATIONS IN CPE
RO3042	US	08/743,897	5,937,347 Granted	6-Nov-96	10-Aug-99 INTERACTIVE SUBSCRIBER TELEPHONE TERMINAL WITH AUTOMATIC MANAGEMENT SOFTWARE DOWNLOAD FEATURE
RO3042	US	09/334,184	6,157,708 Granted	16-Jun-99	5-Dec-00 INTERACTIVE SUBSCRIBER TELEPHONE TERMINAL WITH AUTOMATIC MANAGEMENT SOFTWARE DOWNLOAD FEATURE
RO3049	US	08/912,812	6,094,478 Granted	19-Aug-97	25-Jul-00 A METHOD AND SYSTEM FOR EXTENDING THE DIRECTORY NUMBER OF A TERMINAL
RO3070	us	08/637,961	5,878,044 Granted	25-Apr-96	2-Mar-99 DATA TRANSFER METHOD AND APPARATUS
RO3075	US	08/681,504	5,752,596 Granted	23-Jul-96	19-May-98 SIDE OPERATED KEY ACTUATOR
RO3098	US	08/588,848	5,870,475 Granted	19-Jan-96	9-Feb-99 FACILITATING SECURE COMMUNICATIONS IN A DISTRIBUTION NETWORK
RO3103	US	08/796,550	5,896,380 Granted	6-Feb-97	20-Agr-99 MULTI-CORE ATM SWITCH WITH CELLS IN THE CORE FROM AN INLET FOR AN OUTLET BEING ALIGNED
RO3110	US	08/681,461	5,870,394 Granted	23-Jul-96	9-Feb-99 METHOD AND APPARATUS FOR REASSEMBLY OF DATA PACKETS INTO MESSAGES IN AN ASYNCHRONOUS TRANSFER MODE COMMUNICATIONS SYSTEM
RO3115	US	08/987,216	7,006,617 Granted	9-Dec-97	28-Feb-06 METHOD OF PROVIDING CONFERENCING IN TELEPHONY
RO3119	US	09/244,824	6,721,271 Granted	4-Feb-99	13-Agr-04 RATE-CONTROLLED MULTI-CLASS HIGH-CAPACITY PACKET SWITCH
RO3119	US	10/741,375	6,876,629 Granted	19-Dec-03	5-Agr-05 RATE-CONTROLLED MULTI-CLASS HIGH-CAPACITY PACKET SWITCH
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RO3123	US	08/817,000	5,894,298 Granted	14-Mar-97	13-Agr-99 DISPLAY APPARATUS
RO3123	US	09/233,117	6,175,353 Granted	19-Jan-99	16-Jan-01 DISPLAY APPARATUS
RO3132	US	08/972,318	5,878,031 Granted	18-Nov-97	2-Mar-99 LOOPBACK MECHANISM FOR FRAME RELAY OAM
RO3136	US	08/767,499	6,005,927 Granted	16-Dec-96	21-Dec-99 TELEPHONE DIRECTORY APPARATUS AND METHOD
RO3144	US	08/929,404	6,125,177 Granted	15-Sep-97	26-Sep-00 TELEPHONE COMMUNICATIONS NETWORK WITH ENHANCED SIGNALLING AND CALL ROUTING
RO3149	US	08/878,966	6,031,904 Granted	19-Jun-97	29-Feb-00 SERVICE ORDER MECHANISM FOR TELEPHONE SUBSCRIBERS
RO3152	US	08/682,127	5,905,755 Granted	17-Jul-96	18-May-99 METHOD AND CIRCUIT FOR DATA REGENERATION OF A DATA STREAM
RO3177	US	08/812,831	5,842,514 Granted	6-Mar-97	1-Dec-98 ELECTRONIC UNIT
RO3186	US	08/772,673	6,005,934 Granted	20-Dec-96	21-Dec-99 SIMULATING CHANGES IN TELEPHONE SUBSCRIBER LINE
RO3188	US	08/813,031	5,982,755 Granted	6-Mar-97	9-Nov-99 System and method for providing high terminal coupling loss in a handsfree terminal
RO3215	US	08/690,650	5,881,145 Granted	29-Jul-96	9-Mar-99 REDIRECTION OF CALLS TO PORTED DIRECTORY NUMBERS IN TELEPHONE NETWORKS
RO3216	US	09/974,812	6,721,395 Granted	12-Oct-01	13-Apr-04 METHOD AND APPARATUS FOR ROUTING EMERGENCY SERVICE CALLS IN AN INTELLIGENT NETWORK
RO3222	US	08/844,840	6,337,898 Granted	22-Apr-97	8-Jan-02 METHOD FOR MONITORING VOICEMAIL CALLS USING ADSI CAPABLE CPE
RO3223	US	08/929,774	5,987,036 Granted	15-Sep-97	16-Nov-99 Frame transfer normalized priority
RO3241	US	08/813,440	5,850,205 Granted	10-Mar-97	15-Dec-98 AUTOMATIC CONTRAST CONTROL FOR LIQUID CRYSTAL DISPLAYS
RO3271	US	08/772,256	6,028,842 Granted	23-Dec-96	22-Feb-00 DYNAMIC TRAFFIC CONDITIONING
RO3271	US	08/818,612	6,023,456 Granted	14-Mar-97	8-Feb-00 DYNAMIC TRAFFIC CONDITIONING
RO3281	US	08/730,856	6,091,808 Granted	17-Oct-96	18-Jul-00 METHODS OF AND APPARATUS FOR PROVIDING TELEPHONE CALL CONTROL AND INFORMATION
RO3288	US	08/976,423	6,118,792 Granted	21-Nov-97	12-Sed-go METHOD AND APPARATUS FOR A FLEXIBLE ACCESS RATE COMMON MEMORY PACKET SWITCH
RO3289	US	08/773,956	5,842,007 Granted	26-Dec-96	24-Nov-98 METHOD AND SYSTEM FOR TRANSFERRING SERIAL DATA SIGNAL TRANSMISSION USING MULTI-COUPLING SIGNALLING
RO3289	US	09/195,245	6,061,784 Granted	18-Nov-98	9-May-00 METHOD AND SYSTEM FOR TRANSFERRING SERIAL DATA FRAMES WITHIN A SERIAL STREAM
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RO3292	US	08/934,672	5,939,901 Granted	22-Sep-97	17-Aug-99 Synthesizable flip flop based phase frequency comparator forphase-locked loops
RO3313	US	08/985,265	6,037,937 Granted	4-Dec-97	14-Mar-00 NAVIGATION TOOL FOR GRAPHICAL USER INTERFACE
RO3315	US	08/842,020	6,333,973 Granted	23-Apr-97	25-Dec-01 INTEGRATED MESSAGE CENTER
RO3316	US	08/842,036	6,084,951 Granted	23-Apr-97	4-Jul-60 CONIZED NAME LIST
RO3326	US	09/071,000	6,255,830 Granted	4-May-98	3-Jul-01 METHOD OF TESTING SHIELDING EFFECTIVENESS AND ELECTROMAGNETIC FIELD GENERATOR FOR USE IN TESTING SHIELDING EFFECTIVENESS
RO3334	US	08/821,145	5,946,313 Granted	20-Mar-97	31-Aug-99 MECHANISM FOR MULTIPLEXING ATM AALS VIRTUAL CIRCUITS OVER ETHERNET
RO3335	US	09/146,232	6,271,835 Granted	3-Sep-98	7-Aug-01 TOUCH-SCREEN INPUT DEVICE
RO3336	US	08/958,396	6,118,777 Granted	27-Oct-97	12-Sep-00 SYSTEM AND METHOD FOR PROVIDING COMPETING LOCAL EXCHANGE CARRIERS UNBUNDLED ACCESS TO SUBSCRIBER ACCESS LINES
RO3366	US	08/996,997	6,225,867 Granted	23-Dec-97	1-May-01 PROTECTION SCHEME FOR MULTI TRANSISTOR AMPLIFIERS
RO3373	US	08/749,688	6,014,707 Granted	15-Nov-96	11-Jan-00 STATELESS DATA TRANSFER PROTOCOL WITH CLIENT CONTROLLED TRANSFER UNIT SIZE
RO3401	US	08/947,855	6,130,893 Granted	9-Oct-97	10-Oct-00 METHOD AND APPARATUS FOR MULTIPLEXING TELEPHONE LINES OVER A COMMON ACCESS NETWORK
RO3403	US	08/896,978	5,907,537 Granted	18-Jul-97	25-May-99 OA&M SYSTEM
RO3409	US	08/962,291	6,091,739 Granted	31-Oct-97	18-Jul-00 INTERCONNECT
RO3419	US	08/992,581	6,055,310 Granted	17-Dec-97	25-Apr-00 PHASE REVERSAL TONE DETECTOR USING DSP
RO3424	US	08/987,251	5,991,544 Granted	9-Dec-97	23-Nov-99 PROCESS AND APPARATUS FOR MANAGING A SOFTWARE LOAD IMAGE
RO3437	US	08/986,783	6,202,091 Granted	8-Dec-97	13-Mar-01 PROCESS AND APPARATUS FOR INITIALIZING A COMPUTER FROM POWER UP
RO3440	US	08/921,028	6,069,895 Granted	29-Aug-97	30-May-00 DISTRIBUTED ROUTE SERVER
RO3442	US	08/988,391	6,148,052 Granted	10-Dec-97	14-Nov-00 DIGITAL PHASE DETECTOR WITH RING OSCILLATOR CAPTURE AND INVERTERS DELAYCALIBRATION
RO3444	US	08/970,206	6,083,281 Granted	14-Nov-97	4-Jul-00 PROCESS AND APPARATUS FOR TRACING SOFTWARE ENTITIES IN A DISTRIBUTED SYSTEM
RO3448	US	09/207,255	6,184,717 Granted	9-Dec-98	6-Feb-01 DIGITAL SIGNAL TRANSMITTER AND RECEIVER USING SOURCE BASED REFERENCE LOGIC LEVELS
RO3467	US	08/996,251	6,751,232 Granted	22-Dec-97	15-Jun-04 UNK
RO3468	US	09/172,996	6,381,246 Granted	16-Oct-98	30-Apr-02 TELEPHONY SYSTEM AND METHOD OF SIGNALLING
RO3484	US	08/854,266	6,086,377 Granted	9-May-97	11-Jul-00 SYSTEM AND METHOD FOR PRODUCT AND SERVICE CONFIGURATION
RO3486	US	08/774,548	5,918,248 Granted	30-Dec-96	29-Jun-99 SHARED MEMORY CONTROL ALGORITHM FOR MUTUAL EXCLUSION AND ROLLBACK
RO3494	US	08/996,772	5,987,098 Granted	23-Dec-97	16-Nov-99 METHOD AND SYSTEM FOR SPARING ECHO CANCELLERS
RO3500	US	08/996,765	5,909,574 Granted	23-Dec-97	1-Jun-99 COMPUTING SYSTEM WITH EXCEPTION HANDLER AND METHOD OF HANDLING EXCEPTIONS IN A COMPUTING SYSTEM
RO3503	US	08/812,807	5,991,292 Granted	6-Mar-97	23-Nov-99 NETWORK ACCESS IN MULTI-SERVICE ENVIRONMENT
RO3506	US	08/998,218	6,128,708 Granted	24-Dec-97	3-Oct-00 METHOD FOR TESTING AND MITIGATING SHARED MEMORY CONTENTION IN MULTIPROCESSOR SYSTEMS
RO3523	US	09/050,013	6,310,875 Granted	30-Mar-98	30-Oct-01 METHOD AND APPARATUS FOR PORT MEMORY MULTICAST COMMON MEMORY SWITCHES
RO3526	US	08/992,003	6,310,944 Granted	17-Dec-97	30-Oct-01 METHOD FOR ADDING CONTEXT TO COMMUNICATIONS
RO3526	US	09/948,671	6,853,711 Granted	10-Sep-01	8-Feb-05 METHOD FOR ADDING CONTEXT TO COMMUNICATIONS
RO3531	US	08/897,603	6,058,177 Granted	21-Jul-97	2May-00 MECHANISM TO SUPPORT MULTIPLE VERSIONS OF TOLL FREE SERVICE
RO3534	US	09/223,836	6,473,428 Granted	31-Dec-98	29-Oct-02 MULTI-CHREADED, MULTI-CAST SWITCH
RO3539	US	09/218,429	6,522,633 Granted	22-Dec-98	18-Feb-03 CONFERENCING ARRANGEMENT FOR USE WITH WIRELESS TERMINALS
RO3546	US	08/966,212	5,920,614 Granted	7-Nov-97	6-Jul-99 (CITY, TIME AND TOLL-CHARGE DISPLAY WHEN CALLING TELEPHONE NUMBERS
RO3556	US	09/136,416	6,333,917 Granted	19-Aug-98	25-Dec-01 METHOD AND APPARATUS FOR RED (RANDOM EARLY DETECTION) AND ENHANCEMENTS METHOD AND APPARATUS FOR EXCHANGING DATA BETWEEN TRANSACTIONAL AND NON-TRANSACTIONAL INPUT/OUTPUT SYSTEMS IN A MULTI-PROCESSING, SHARED
RO3559	US	09/223,004	6,557,056 Granted	30-Dec-98	29-Apr-03 MEMORYENVIRONMENT
		T			METHOD AND APPARATUS FOR EXCHANGING DATA BETWEEN TRANSACTIONAL AND NON-TRANSACTIONAL INPUT/OUTPUT SYSTEMS IN A MULTI-PROCESSING, SHARED
RO3559	US	10/390,734	6,757,756 Granted	19-Mar-03	29-Jun-04 MEMORYENVIRONMENT
RO3561	US	08/977,811	6,092,196 Granted	25-Nov-97	18-Jul-00 HTTP DISTRIBUTED REMOTE USER AUTHENTICATION SYSTEM
RO3563	US	08/921,009	6,014,711 Granted	29-Aug-97	11-Jan-00 APPARATUS AND METHOD FOR PROVIDING ELECTRONIC MAIL RELAYTRANSLATION SERVICES
RO3564	US	08/921,013	6,122,258 Granted	29-Aug-97	19-Sep-00 METHOD FOR CREATING A NUMBERING PLAN-INDEPENDENT DIRECTORY STRUCTURE FOR TELECOMMUNICATIONS APPLICATIONS
RO3570	US	08/827,882	6,041,040 Granted	7-Apr-97	21-Mar-00 LARGE-SCALE SERVICE-RATE REGULATORS FOR ATM SWITCHING
RO3572	US	09/073,442	6,246,872 Granted	6-May-98	12-Jun-01 MOBILE SWITCHING CENTER AND METHOD FOR HANDLING A DROPPED CONNECTION BETWEEN A MOBILE STATION AND A BASESTATION TRANSCEIVER
RO3576	US	09/064,552	5,949,645 Granted	23-Apr-98	7-Sep-99 ELECTRONIC UNIT
RO3578	US	08/867,624	6,128,649 Granted	2-Jun-97	3-Oct-00 DYNAMIC SELECTION OF MEDIA STREAMS FOR DISPLAY
RO3583	US	08/895,589	6,195,354 Granted	16-Jul-97	27-Feb-01 ROUTE SELECTION FOR PATH BALANCING IN CONNECTION-ORIENTED PACKET SWITCHING NETWORKS
RO3585	US	08/994,966	6,019,167 Granted	19-Dec-97	1-Feb-00 LIQUID IMMERSION COOLING APPARATUS FOR ELECTRONICS SYSTEMSOPERATING IN THERMALLY UNCONTROLLED ENVIRONMENTS
RO3591	US	09/001,626	6,356,758 Granted	31-Dec-97	12-Mar-02 WIRELESS TOOLS FOR DATA MANIPULATION AND VISUALIZATION
RO3592	US	09/209,759	6,061,241 Granted	11-Dec-98	9-May-00 LINE INTERFACE MODULE
RO3616	US	08/996,034	6,122,348 Granted	22-Dec-97	19-Sep-00 System and method for managing incoming communication eventsusing multiple media options
RO3616	US	09/477,679	6,463,131 Granted	5-Jan-00	8-Oct-02 SYSTEM AND METHOD FOR NOTIFYING A USER OF AN INCOMING COMMUNICATION EVENT
RO3617	US	08/996,135	5,940,118 Granted	22-Dec-97	17-Aug-99 System and method for steering directional microphones

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RO3620	US	09/137,687	6,510,452 Granted	21-Aug-98 21-J	Jan-03 System and method for communications management with a network presence Icon
RO3627	US	09/295,215	6,501,762 Granted		Dec-02 SCHEDULER IMPLEMENTING WEIGHTED FAIR QUEUING BY A WEIGHT LIMITED FIRST IN-FIRST OUT METHODOLGY
RO3628	US	08/997,353	6,345,037 Granted	23-Dec-97 5-F	Feb-02 METHOD AND APPARATUS FOR AUTO DETECTION OF AALS TYPE FRAMES
RO3648	US	08/992,765	6,185,288 Granted	18-Dec-97 6-F	Feb-01 MULTIMEDIA CALL SIGNALLING SYSTEM AND METHOD
RO3653	US	09/567,030	6,826,184 Granted	8-May-00 30-N	Nov-04 METHOD AND SYSTEM FOR MULTI-SERVICE CUT-THROUGH SWITCHING THROUGH A CONNECTION-ORIENTED NETWORK
RO3655	US	08/997,822	6,115,157 Granted	24-Dec-97 5-S	Sep-00 METHODS FOR EQUALIZING WDM SYSTEMS
RO3655	US	09/559,562	6,219,162 Granted	27-Apr-00 17-A	Agr-01 METHODS FOR EQUALIZING WOM SYSTEMS
RO3661	US	09/085,226	6,080,930 Granted	27-May-98 27-J	Jun-60 ESD/EMC GASKET
RO3676	US	08/948,465	6,005,851 Granted	10-Oct-97 21-D	Dec. 99 ADAPTIVE CHANNEL CONTROL FOR DATA SERVICE DELIVERY
RO3687	US	08/997,778	6,233,245 Granted	24-Dec-97 15-M	May-01 METHOD AND APPARATUS FOR MANAGEMENT OF BANDWIDTH IN A DATA COMMUNICATION NETWORK
RO3688	US	08/989,647	6,327,053 Granted	12-Dec-97 4-D	Dec-01 FACSIMILE SIGNAL TRANSMISSION WITH SUPPRESSION OF MULTIPLE MODULATION AND DEMODULATION ACROSS A CONNECTION
RO3689	US	08/971,202	6,151,305 Granted	14-Nov-97 21-N	NOV-00 METHOD AND APPARATUS FOR PLANNING AN ATM NETWORK FOR AN AREA OF CONCENTRATED DEMAND FOR TRANSPORT BANDWIDTH
RO3693	US	08/998,347	6,246,684 Granted	24-Dec-97 12-J	Jun-01 METHOD AND APPARATUS FOR RE-ORDERING DATA PACKETS IN A NETWORK ENVIRONMENT
RO3713	US	09/056,096	6,198,558 Granted	7-Apr-98 6-M	Mar-01 ARCHITECTURE REPARTITIONING TO SIMPLIFY OUTSIDE-PLANT COMPONENT OF FIBER-BASED SYSTEM
RO3713	US	09/756,739	6,421,150 Granted	10-Jan-01 16-	-Jul-02 ARCHITECTURE REPARTITIONING TO SIMPLIFY OUTSIDE-PLANT COMPONENT OF FIBER-BASED ACCESS SYSTEM
RO3714	US	09/084,370	6,229,788 Granted	27-May-98 8-M	MBY-01 METHOD AND APPARATUS FOR TRAFFIC SHAPING IN A BROADBAND FIBER-BASED ACCESS SYSTEM
RO3715	US	09/200,436	6,460,154 Granted	27-Nov-98 1-0	Oct-02 DATA ERROR CORRECTION SYSTEM
RO3717	US	09/217,898	6,519,255 Granted	22-Dec-98 11-F	Feb-03 UNIVERSAL OPTICAL NETWORK UNIT FOR USE IN NARROWBAND AND BROADBAND ACCESS NETWORKS
RO3718	US	09/100,010	6,522,699 Granted	19-Jun-98 18-F	Feb-03 TRANSMISSION SYSTEM FOR REDUCTION OF AMATEUR RADIO INTERFERENCE
RO3723	US	09/146,341	6,289,063 Granted	2-Sep-98 11-S	Sep-01 QAM RECEIVER WITH IMPROVED IMMUNITY TO CROSSTALK NOISE
RO3724	US	09/080,189	6,310,429 Granted	18-May-98 30-0	Oct-01 ACOUSTIC WAVE TRANSDUCER DEVICE
RO3725	US	09/168,928	6,037,846 Granted	9-Oct-98 14-M	Mar-00 SURFACE MOUNT EMI GASKET FILTER
RO3731	US	09/066,701	6,097,262 Granted	27-Apr-98 1-A	Aug-00 TRANSMISSION LINE IMPEDANCE MATCHING APPARATUS
RO3737	US	08/989,270	6,049,606 Granted	11-Dec-97 11-A	Apr-00 CIRCUIT AND METHOD OF DOUBLE TALK DETECTION FOR USE IN HANDSFREE TELEPHONYTERMINALS
RO3744	US	08/933,952	6,084,956 Granted	19-Sep-97 4-	-Jul-QD SS7 MEDIATION FOR DATA NETWORK CALL SETUP AND SERVICES INTERWORKING
RO3747	US	09/170,973	6,438,132 Granted	14-Oct-98 20-A	Aug-02 VIRTUAL PORT SCHEDULER
RO3750	US	09/105,469	6,359,884 Granted	26-Jun-98 19-W	Mar-02 MODULAR SCALABLE PACKET SCHEDULER WITH RATE BASED SHAPING AND VIRTUAL PORT SCHEDULER
RO3753	US	08/994,456	6,178,162 Granted	19-Dec-97 23-J	Jan-01 METHOD AND APPARATUS FOR INHIBITING ECHO IN A CHANNEL OF A COMMUNICATION SYSTEM
RO3763	US	09/126,855	6,327,675 Granted		Dec-01 FAULT TOLERANT SYSTEM AND METHOD
RO3764	US	09/170,974	6,212,185 Granted		Apr-01 MULTIPLE NETWORK ADDRESS RESOLUTION
RO3776	US	09/219,316	6,701,382 Granted		Mar-O4]NAME SERVICE FOR TRANSPARENT CONTAINER OBJECTS
RO3784	US	08/995,539	5,990,932 Granted		Nov-99 COLLABORATIVE SHARED SPACE
RO3797	US	09/307,356	7,068,641 Granted	 ' 	Jun-06 TELEPHONY AND DATA NETWORK SERVICES AT A TELEPHONE
RO3797	US	11/300,997	7,660,295 Granted		Feb-10 TELEPHONY AND DATA NETWORK SERVICES AT A TELEPHONE
RO3797	US	12/646,404	#EMPTY Filed	23-Dec-09 #EMPTY	TELEPHONY AND DATA NETWORK SERVICES AT A TELEPHONE
RO3806	US	09/182,655	6,873,612 Granted		Mar-05 IMETHODS AND DEVICES FOR ASYNCHRONOUS OPERATION OF A CDMA MOBILE COMMUNICATION SYSTEM
RO3809	US	09/050,924	6,466,586 Granted		Oct-02 DIGITAL SUBSCRIBER LINE FRAMING STRUCTURE SUPPORTING IMBEDDED RATE ADAPTIVE SYNCHRONOUS AND ASYNCHRONOUS TRAFFIC
RO3812	US	08/991,554	6,166,919 Granted		Dec-COL CASING MOUNTABLE FILLER MODULE
RO3815	US	09/148,154	6,389,034 Granted	· · · · · · · · · · · · · · · · · · ·	ABY-02 SYSTEM FOR PROVIDING STREAM BASED AND PACKET BASED SERVICES
RO3816	US	09/002,113	6,262,998 Granted		-Jul-01 PARALLEL DATA BUS INTEGRATED CLOCKING AND CONTROL
RO3816	US	09/875,202	7,061,938 Granted		Jun-06 PARALLEL DATA BUS INTEGRATED CLOCKING AND CONTROL Feb-01 DRIVER CIRCUIT FOR HIGH SPEED DATA
RO3821	US	09/034,905	6,194,949 Granted		
RO3823	US	09/031,647	6,236,726 Granted		ABY-01 TRANSMIT POWER SCALING FOR FAR-END CROSSTALK REDUCTION
RO3832 RO3837	US	09/015,937 09/076,633	6,314,109 Granted 6,240,150 Granted		YOV-01 METHOD AND APPARATUS FOR ADDING OR AUGMENTING A NETWORK NODE ABY-01 METHOD AND APPARATUS FOR FILTERING INTERFERENCE IN A MODEM RECEIVER
RO3838	US	09/0/6,633	6,240,150 Granted	· ·	ABY DI METHOD AND APPARATUS FOR FILLERING INTERFERENCE IN A MODEM SEO-DIL METHOD AND APPARATUS FOR ENERGY DETECTION IN A MODEM
RO3852	US	09/175,620	5,995,368 Granted	· ·	NOV-99 JAIR FLOW DISTRIBUTION DEVICE FOR SHELF-BASED CIRCUIT CARDS
RO3854	US	09/1/5,620	7,027,430 Granted		1001-99 JAIN FLOW DISTRIBUTION DEVILE FOR SHELF-BASED CIRCUIT CARDS Agr-66 COMMUNICATION NETWORK UTILIZING AUTONOMOUS SERVERS TO ESTABLISH COMMUNICATION SESSIONS
RO3868	US	09/181,823	6,483,836 Granted		AGP-06 COMMUNICATION NET WORK OF ILIZING ACTIONOMOUS SERVERS TO ESTABLISH COMMUNICATION SESSIONS NOv422 ATM CONNECTION ACCELERATOR FOR USE IN COMMUNICATION NETWORKS
RO3895	US	09/028,520	6,019,338 Granted		Feb-00 TILT STAND FOR DESKTOP TERMINAL
RO3896	US	09/028,520	6,038,314 Granted		Mar-000 PIUG-IN ACCESSORIES
RO3897	US	09/028,519	6,219,679 Granted		Agr-01 ENHANCED USER-INTERACTIVE INFORMATION CONTENT BOOKMARKING
RO3905	US	09/026,434	6,226,380 Granted		AGY-01. METHOD OF DISTINGUISHING BETWEEN ECHO PATH CHANGE AND DOUBLE TALK CONDITIONS IN AN ECHO CANCELLER
RO3909	US	09/057,528	6,091,814 Granted		Jul-00/STIFFENING ELEMENTS FOR A POLYMERIC TELEPHONE BASE
1100000	103	031,031,340	0,001,014 Granten	3.Vhr.20 10.	AN EXPERIMENTAL PROPERTY TO THE PROPERTY OF TH

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RO3917	US	09/281,945	6,446,123 Granted	31-Mar-99	3-Sep-02 TOOL FOR MONITORING HEALTH OF NETWORKS
RO3918	US	09/177,609	6,323,881 Granted	23-Oct-98	27-Nov-01 WEB BASED GUI SERVER AND METHOD FOR A TELECOMMUNICATIONS NODE
RO3931	US	09/092,851	6,201,873 Granted	8-Jun-98	13-Mar-01 LOUDSPEAKER-DEPENDENT AUDIO COMPRESSION
RO3936	US	08/965,930	5,878,032 Granted	7-Nov-97	2-Mar-99 DELAY MONITORING OF TELECOMMUNICATION NETWORKS
RO3937	US	09/210,536	6,282,592 Granted	14-Dec-98	28-Aug-01 METHOD AND APPARATUS FOR HIGH-SPEED DATA TRANSMISSION BUS ENTRAINMENT
RO3944	US	09/157,533	6,882,639 Granted	21-Sep-98	19-Apr-05 TELECOMMUNICATIONS MIDDLEWARE
RO3947	US	09/057,525	6,307,852 Granted	9-Apr-98	23-Oct-01 ROTATOR SWITCH DATA PATH STRUCTURES
RO3947	US	09/971,011	7,009,964 Granted	5-Oct-01	7-Mar-06 ROTATOR SWITCH DATA PATH STRUCTURES
RO3951	US	09/213,271	6.885.745 Granted	17-Dec-98	26-Apr-05 VOLTAGE AND PROTECTION ARRANGEMENT FOR A TELEPHONE SUBSCRIBER LINE INTERFACE CIRCUIT
RO3952	US	09/092,847	6,195,714 Granted	8-Jun-98	27-Feb-01 SYSTEM FOR TRANSFERRING STM CALLS THROUGH ATM NETWORK BY CONVERTING THE STM CALLS TO ATM AND VICE VERSA AT THE EDGE NODES OF ATM NETWORK
RO3957	US	09/188,297	6,389,029 Granted	10-Nov-98	14-May-02 LOCAL AREA NETWORK INCORPORATING UNIVERSAL SERIAL BUS PROTOCOL
RO3984	US	08/997,990	6,965,870 Granted	24-Dec-97	15-Nov-05 METHOD AND SYSTEM FOR ACTIVITY-RESPONSIVE TELEMARKETING
-	1	1-4	-,,		DISTRIBUTED SERVICE NETWORK SYSTEM CAPABLE OF TRANSPARENTLYCONVERTING DATA FORMATS AND SELECTIVELY CONNECTING TO AN APPROPRIATE BRIDGE IN
RO3995	US	09/041,128	6,351,771 Granted	12-Mar-98	26-Feb-02 ACCORDANCE WITH CLIENTS CHARACTERISTICS IDENTIFIED DURING PRELIMINARY CONNECTION
RO3998	US	09/165,189	6,822,961 Granted	2-Oct-98	23-Nov-04 METHOD AND APPARATUS FOR REDUCTION OF CALL SETUP RATE IN AN ATM NETWORK
RO4001	US	09/185,635	6,584,111 Granted	4-Nov-98	24-Jun-03 ABR FLOW CONTROL USING SINGLE BIT CONGESTION INDICATION AND WAVELET TRANSFORM FILTERING
RO4004	US	09/049,928	6,700,879 Granted	30-Mar-98	2-Mar-04 MODEM LOOP RATE ADAPTATION
RO4008	US	09/215,376	6,510,135 Granted	18-Dec-98	21-Jan-83 FLOW-LEVEL DEMULTIPLEXING WITHIN ROUTERS
RO4009	US	09/215,262	6,587,431 Granted	18-Dec-98	1-Jul-03 SUPERTRUNKING FOR PACKET SWITCHING
RO4010	US	09/150,698	6,324,170 Granted	10-Sep-98	27-Nov-01 ECHO CONTROLLER WITH COMPENSATION FOR VARIABLE DELAY NETWORKS
RO4017	US	09/050,246	6,501,766 Granted	30-Mar-98	31-Dec-02 GENERIC BUS SYSTEM
RO4036	US	09/207,250	6,246,736 Granted	9-Dec-98	12-Jun-01 DIGITAL SIGNAL FRAMING SYSTEMS AND METHODS
RO4042	US	09/023,084	6,426,950 Granted	13-Feb-98	30-Jul-02 IMETHOD OF RESOURCE MANAGEMENT AT COMPUTER CONTROLLED TELEPHONY HARDWARE
RO4045	US	09/207,251	6,137,051 Granted	9-Dec-98	24-Oct-00 EMI SHIELD/GASKET ENCLOSURE
RO4046	US	09/028,506	6,052,683 Granted	24-Feb-98	18-Agr-60 ADDRESS LOOKUP IN PACKET DATA COMMUNICATION NETWORK
RO4054	US	08/997,989	6,215,784 Granted	24-Dec-97	10-Agr-G1 METHOD AND SYSTEM FOR VOICE CALL COMPLETION USING INFORMATION RETRIEVED FROM AN OPEN APPLICATION ON A COMPUTING MACHINE
RO4066	US	09/134,924	6,377,551 Granted	17-Aug-98	23-Apr-G2 (QOS BASED ROUTE DETERMINATION METHOD FOR COMMUNICATIONS NETWORKS
RO4069	US	09/208,980	6,301,244 Granted	11-Dec-98	9-Oct-CI_QOS-ORIENTED ONE-TO-ALL ROUTE SELECTION METHOD FOR COMMUNICATION NETWORKS
RO4072	US	09/216,935	6,269,395 Granted	21-Dec-98	31-Jul-OL METHOD AND SYSTEM IN A COMPUTER-BASED SYSTEM FOR PROVIDING ACCESS TO SERVICES ASSOCIATED WITH DIFFERENT ACCESS POINTS
RO4087	US	09/098,951	6,219,353 Granted	17-Jun-98	17-Agr-OI MESSAGE HUB
RO4096	US	09/196,344	6,480,507 Granted	19-Nov-98	12-Nov-02 COMMUNICATION PROTOCOL STACK APPARATUS AND METHOD OF IMPLEMENTING SAME
RO4103	US	09/215,377	6,574,230 Granted	18-Dec-98	3-Jun-03 SHEDULING TECHNIQUE FOR DELAYED QUEUE SERVICE
RO4104	US	09/356,046	6,775,480 Granted	16-Jul-99	10-Aug-04 FREE SPACE OPTICAL INTERCONNECT SYSTEM
RO4106	US	09/071,117	6,272,185 Granted	4-May-98	7-Aug-01 METHOD AND APPARATUS FOR PERFORMING DATA PULSE DETECTION
RO4100	US	09/028,512	6,104,807 Granted	23-Feb-98	15-Aug-00 DISPLAY-BASED ADD-ON MODULE
	US	+			15-Aug-40 INSPART-BASEC AUG-4N MODULE 16-Aug-45 HYBRID TDM AND ATM VOICE SWITCHING CENTRAL OFFICE AND METHOD OF COMPLETING INTER-OFFICE CALLS USING SAME
RO4120	+	09/206,277	6,930,998 Granted	7-Dec-98	
RO4121	US	09/158,855	6,282,194 Granted	23-Sep-98	28-Aug-01 TRANSIT TRUNK SUBNETWORK SYSTEM
RO4123	US	09/190,292	6,256,760 Granted	13-Nov-98	3.Jul-01 AUTOMATIC TEST EQUIPMENT SCAN TEST ENHANCEMENT
RO4128	US	09/201,875	6,344,851 Granted	30-Nov-98	5-Feb-02 METHOD AND SYSTEM FOR WEBSITE OVERVIEW
RO4134	US	09/195,556	6,336,035 Granted	19-Nov-98	1-Jan-02/TOOLS FOR WIRELESS NETWORK PLANNING
RO4135	US	09/062,727	6,101,486 Granted	20-Apr-98	8-Aug-00 System and method for retrieving customer information at a transaction center
RO4149	US	09/151,448	6,512,746 Granted	11-Sep-98	28-Jan-03 METHOD AND APPARATUS FOR MEASURING VOICE GRADE OF SERVICE IN AN IP NETWORK
RO4151	US	09/069,521	6,188,722 Granted	29-Apr-98	13-Feb-01 SEQUENTIAL BLIND CONVERGENCE PROCESS IN AN ADAPTIVE DECISION FEEDBACK EQUALIZER
RO4152	US	09/069,400	6,215,818 Granted	29-Apr-98	10-Apr-01 METHOD AND APPARATUS FOR OPERATING AN ADAPTIVE DECISION FEEDBACK EQUALIZER
RO4153	US	09/069,436	6,163,572 Granted	29-Apr-98	19-Dec-00 METHOD OF REDUCING COEFFICIENT LEAKAGE NOISE INTRODUCED TO AN EQALIZER DURING STEADY STATE OPERATION
RO4154	US	09/069,520	6,246,722 Granted	29-Apr-98	12-Jun-01 METHOD OF DETECTION OF MISCONVERGENCE USING CONSTELLATION SCANNING IN AN EQUALIZER
RO4155	US	09/076,634	6,266,377 Granted	12-May-98	24-Jul-01 METHOD OF TIMING RECOVERY CONVERGENCE MONITORING IN MODEMS
RO4156	US	09/111,718	6,141,738 Granted	8-Jul-98	31-Oct-00 ADDRESS TRANSLATION METHOD AND SYSTEM HAVING A FORWARDING TABLE DATA STRUCTURE
RO4156	US	09/616,880	6,243,720 Granted	14-Jul-00	5-Jun-01 ADDRESS TRANSLATION METHOD AND SYSTEM HAVING A FORWARDING TABLE DATA STRUCTURE
RO4167	US	09/216,975	6,507,654 Granted	21-Dec-98	14-Jan-03 LINE INTERFACE BATTERY FEED ARRANGEMENTS WITH PTC RESISTORS
RO4181	US	09/131,190	6,516,417 Granted	7-Aug-98	4-Feb-03 VIRTUAL PRIVATE NETWORKS
RO4206	US	09/220,019	6,728,267 Granted	23-Dec-98	27-Apr-04 Service Capable Network
RO4208	US	09/165,351	6,321,253 Granted	2-Oct-98	20-Nov-01 Systems and methods for simultaneous network management of voice and data signals
RO4218	US	09/218,142	6,327,276 Granted	22-Dec-98	4-Dec-01 CONFERENCING OVER LAN/WAN USING A HYBRID CLIENT/SERVER CONFIGURATION

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RO4225	US	09/071,345	6,667,956 Granted	1-May-98	23-Dec-03	MULTI-CLASS NETWORK
RO4226	US	09/186,643	6,480,603 Granted	6-Nov-98		DEVICE WHICH REDUCES CENTRAL OFFICE BATTERY CURRENT DURING MODEM CONNECTIONS
RO4238	US	09/222,835	6,584,096 Granted	30-Dec-98	24-Jun-03	METHOD AND APPARATUS FOR CONNECTING A HOME NETWORK TO THE INTERNET
RO4240	US	09/382,500	6,421,542 Granted	25-Aug-99	16-Jul-02	FREQUENCY REUSE IN MILLIMETRIC-WAVE POINT-TO-MULTIPOINT RADIO SYSTEMS
RO4242	US	09/204,263	6,546,100 Granted	3-Dec-98	8-Apr-03	LOAD COIL DEVICE
RO4243	US	09/216,928	6,721,409 Granted	21-Dec-98	13-Apr-04	NETWORK BASED CALL MUTE
RO4255	US	09/154,628	6,393,026 Granted	17-Sep-98	21-May-02	DATA PACKET PROCESSING SYSTEM AND METHOD FOR A ROUTER
RO4266	US	09/223,817	6,404,806 Granted	31-Dec-98	11-Jun-02	METHOD AND APPARATUS FOR TIME-DOMAIN EQUALIZATION IN FDM-BASED DISCRETE MULTI-TONE MODEMS
RO4269	US	09/137,688	6,738,809 Granted	21-Aug-98	18-May-04	NETWORK PRESENCE INDICATOR FOR COMMUNICATIONS MANAGEMENT
RO4273	US	09/218,427	6,286,119 Granted	22-Dec-98	4-Sep-01	DELAY FAULT TESTING WITH IEEE 1149.1
RO4277	US	09/258,407	6,928,154 Granted	26-Feb-99	9-Aug-05	REMOTE CALLER IDENTIFICATION TELEPHONE SYSTEM AND METHOD WITH INTERNET RETRIEVAL
RO4288	US	09/219,317	6,526,063 Granted	21-Dec-98	25-Feb-03	SYSTEM AND METHOD FOR ATM-FR INTERWORKING OF SVC SIGNALLING
RO4314	US	09/218,054	6,456,654 Granted	22-Dec-98	24-Sep-02	FRAME ALIGNMENT AND TIME DOMAIN EQUALIZATION FOR COMMUNICATIONS SYSTEMS USING MULTICARRIER MODULATION
RO4316	US	09/209,273	6,549,517 Granted	11-Dec-98	15-Apr-03	EXPLICIT RATE COMPUTATION FOR FLOW CONTROL IN COMPUTER NETWORKS
RO4320	US	09/131,051	7,039,687 Granted	6-Aug-98	2-May-06	MULTI-PROTOCOL LABEL SWITCHING VIRTUAL PRIVATE NETWORKS
RO4325	US	09/217,058	6,111,476 Granted	21-Dec-98	29-Aug-00	NON-CONTACT COUPLING SYSTEM
RO4328	US	09/215,547	6,486,990 Granted	18-Dec-98	26-Nov-02	METHOD AND APPARATUS FOR COMMUNICATING A CLOCK SIGNAL IN A SOLITION OPTICAL TRANSMISSION SYSTEM
RO4329	US	09/291,186	6,222,669 Granted	14-Apr-99	24-Apr-01	OPTICAL PARTIAL REGENERATION OF SOLITONS
RO4334	US	09/286,431	6,570,872 Granted	6-Apr-99	27-May-03	SELF-CONFIGURING DISTRIBUTED SWITCH
RO4334	US	10/409,197	7,209,454 Granted	9-Apr-03	24-Apr-07	SELF-CONFIGURING DISTRIBUTED SWITCH
RO4334	US	10/409,702	7,230,952 Granted	9-Apr-03	12-Jun-07	SELF-CONFIGURING DISTRIBUTED SWITCH
RO4337	US	09/220,232	6,560,223 Granted	23-Dec-98	6-May-03	WIRELESS MULTI-SITE NETWORKING USING SIGNALING AND VOICE-OVER-IP
RO4338	US	09/471,244	6,996,559 Granted	23-Dec-99	7-Feb-06	IP ADDRESS RESOLUTION METHODS AND APPARATUS
RO4339	US	09/213,769	6,757,285 Granted	17-Dec-98	29-Jun-04	METHOD AND APPARATUS FOR COMPLETING TLEEPHONE CALLS BETWEEN SUBNETWORKS
RO4352	US	09/748,848	6,920,131 Granted	28-Dec-00	19-Jul-05	GLOBAL DISTRIBUTED SWITCH
RO4366	US	09/220,955	6,873,616 Granted	28-Dec-98	29-Mar-05	QUASI-DETERMINISTIC GATEWAY SELECTION ALGORITHM FOR MULTI-DOMAIN SOURCE ROUTED NETWORKS
RO4371	US	09/212,429	6,477,582 Granted	16-Dec-98	5-Nov-02	METHOD AND APPARATUS FOR CONSERVATIVE LINK SELECTION
RO4372	US	09/411,294	6,542,746 Granted	4-Oct-99		FREQUENCY RE-USE SCHEME FOR POINT TO MULTIPOINT RADIO COMMUNICATION
RO4373	US	09/222,926	6,330,550 Granted	30-Dec-98		CROSS-MEDIA NOTIFICATIONS FOR E-COMMERCE
RO4383	US	09/223,818	6,693,957 Granted	31-Dec-98		ADAPTIVE FRONT END FOR DISCRETE MULTITONE MODEM
RO4386	US	09/375,396	6,324,271 Granted	17-Aug-99		SYSTEM AND METHOD FOR AUTHENTICATION OF CALLER INFORMATION
RO4390	US	09/216,992	6,456,626 Granted	21-Dec-98		METHOD OF VIRTUAL CIRCUIT RECONNECTION WITHOUT LOSS OF CALL SESSION
RO4408	US	09/465,705	6,990,070 Granted	17-Dec-99		METHOD AND APPARATUS FOR ADJUSTING PACKET TRANSMISSION VOLUME FROM A SOURCE
RO4411	US	09/312,840	6,697,487 Granted	14-May-99		POWER CONTROL DATA DELIVERY CONSISTENCY IN COPPER PLANT
RO4419	US	09/475,722	6,490,592 Granted	30-Dec-99		METHOD OF AND APPARATUS FOR GENERATING A TREE DATA STRUCTURE SUPPORTING LONGEST MATCH LOOKUP
RO4431	US	09/439,501	6,697,372 Granted	12-Nov-99		LOCAL AREA NETWORK ACCESSORY FOR INTEGRATING USB CONNECTIVITY IN EXISTING NETWORKS
RO4432	US	09/386,215	6,721,332 Granted	31-Aug-99		USB NETWORKING ON A MULTIPLE ACCESS TRANSMISSON MEDIUM
RO4436	US	09/191,845	6,205,488 Granted	13-Nov-98		INTERNET PROTOCOL VIRTUAL PRIVATE NETWORK REALIZATION USING MULTI-PROTOCOL LABEL SWITCHING TUNNELS
RO4438	US	09/288,565	6,570,867 Granted	9-Apr-99	- '	ROUTES AND PATHS MANAGEMENT
RO4441	US	09/189,992	6,317,239 Granted	12-Nov-98		OPTICAL REPEATERS FOR SINGLE- AND MULTI-WAVELENGTH OPERATION WITH DISPERSION EQUALIZATION BELIABLE DISTRIBUTED CHARGO MEMORY
RO4456	US	09/429,712	6,574,749 Granted	29-Oct-99		RELIABLE DISTRIBUTED SHARED MEMORY
RO4460	US	10/216,397	7,043,159 Granted	12-Aug-02		BIDIRECTIONAL OPTICAL NETWORKS
RO4470	US	09/191,142	6,493,349 Granted	13-Nov-98		EXTENDED INTERNET PROTOCOL VIRTUAL PRIVATE NETWORK ARCHITECTURES
RO4487	US	10/147,810	6,697,554 Granted	20-May-02		ADAPTIVE OPTICAL WAVEGUIDE
RO4496	US	09/192,530	6,721,322 Granted	17-Nov-98		SYSTEM AND METHOD FOR ESTABLISHING DYNAMIC HIGH USAGE TRUNK GROUPS
RO4518	US	09/405,003	6,744,775 Granted	27-Sep-99		STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS
RO4518	US	10/747,077	6,944,131 Granted	29-Dec-03		STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS
RO4518	US	11/208,056	8,265,085 Granted	19-Aug-05		STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS
RO4518	US	13/599,461	8,837,497 Granted	30-Aug-12		STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS
RO4522	US	09/395,734	6,760,391 Granted	14-Sep-99		METHOD AND APPARATUS FOR LINE RATE CONTROL IN A DIGITAL COMMUNICATIONS SYSTEM MILITI DANEL POLITE MONITORING CONDUINAL LICED INTEGRACE SYSTEM AND METUOD.
RO4523	US	09/345,471	6,654,803 Granted	30-Jun-99		MULTI-PAINEL ROUTE MONITORING GRAPHICAL USER INTERFACE, SYSTEM AND METHOD ROUTE MONITORING GRADULOU LIKED INTERFACE SYSTEM AND METHOD
RO4524	US	09/345,472	6,487,604 Granted	30-Jun-99		ROUTE MONITORING GRAPHICAL USER INTERFACE, SYSTEM AND METHOD METUOD AND ADDROAD IS EDO SELECTING METHOD FOR THIS CO.
RO4525	US	09/420,424	6,633,312 Granted	19-Oct-99		METHOD AND APPARATUS FOR SELECTING NETWORK ENTITIES SYSTEM, METHOD AND GRAPHICAL USER INTERFACE FOR BUILDING VIRTUAL PRIVATE NETWORKS
RO4527	US	09/396,452	6,577,327 Granted	15-Sep-99	10-Jun-03	STSTEM, WELLOUD AND GRAFFILLAL USER INTERFACE FOR BUILDING VIRTUAL PRIVATE NET WORKS

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RO4529	US	09/397,968	6,505,310 Granted	17-Sep-99 7-Ja	and a supplemental to the
RO4531	US	09/338,530	6,271,959 Granted		REQUI METHOD AND APPARATUS FOR OPTICAL FREQUENCY DEMODULATION OF AN OPTICAL SIGNAL USING INTERFEROMETRY
RR1114	US	08/652,659	6,430,282 Granted		g-02 METHODS AND APPARATUS FOR ORIGINATING VOICE CALLS
RR1116	US	08/718,746	5,943,399 Granted	· ·	R 59 METHODS AND APPARATUS FOR PROVIDING COMMUNICATIONS TO TELECOMMUNICATIONS TERMINALS
RR1126	US	08/866,229	5,991,389 Granted	-	v-99 PROGRAMMABLE SERVICE ARCHITECTURE FOR CALL CONTROL PROCESSING
RR1127	US	08/865,887	6,038,309 Granted	30-May-97 14-Ma	17-00 APPARATUS AND METHOD FOR EXTERNALLY CONTROLLING PROCESSING OF A SERVICE CALL
RR1128	US	08/865,692	6,028,924 Granted	30-May-97 22-Fe	b-00 PROGRAMMABLE SERVICE NODE FOR CALL CONTROL PROCESSING
RR1134	US	08/768,022	6,097,722 Granted	13-Dec-96 1-Au	g-00 BANDWIDTH MANAGEMENT PROCESSES AND SYSTEMS FOR ASYNCHRONOUS TRANSFER MODE NETWORKS USING VARIABLE VIRTUAL PATHS
RR1137	US	08/907,342	5,995,487 Granted	6-Aug-97 30-No	w-99 ENHANCED INTERCONNECTION CAPACITY FOR SUBSCRIBERS TO CARRIER NETWORKS
RR1146	US	08/769,649	6,032,118 Granted	19-Dec-96 29-Fe	b-00 VIRTUAL PRIVATE NETWORK SERVICE PROVIDER FOR ASYNCHORNOUS TRANSFER MODE NETWORK
RR1146	US	09/432,949	6,584,444 Granted	3-Nov-99 24-Ju	n-03 VIRTUAL PRIVATE NETWORK SERVICE PROVIDER FOR ASYNCHRONOUS TRANSFER MODE NETWORK
RR1149	US	09/074,209	6,389,112 Granted	7-May-98 14-Ma	y-02 METHOD AND APPARATUS FOR ON-LINE MONITORING OF TELECOMMUNICATION NETWORK SWITCHES
RR1158	US	08/775,162	5,864,541 Granted	31-Dec-96 26-Ja	n-99 METHOD AND SYSTEM FOR SIMULTANEOUS SERVICE CAPACITY CALCULATION FOR MULTIMEDIA SERVICES UNDER AGGREGATE TRAFFIC CONDITIONS
RR1167	US	08/781,943	6,005,859 Granted	19-Dec-96 21-De	rc-99 PROXY VAT-PSTIN ORIGINATION
RR1171	US	08/775,613	5,949,778 Granted	31-Dec-96 7-Se	p-99 HIGH PERFORMANCE FAULT TOLERANT SWITCHING SYSTEM FOR MULTIMEDIA SATELLITE AND TERRESTRIAL COMMUNICATIONS SWITCHES
RR2006	US	08/723,709	5,887,156 Granted	30-Sep-96 23-Ma	r-99 EVOLUTION PLANNING IN A WIRELESS NETWORK
RR2025	US	09/037,371	6,167,064 Granted	10-Mar-98 26-De	rc-00 METHOD AND SYSTEM IN AN INTELLIGENT COMMUNICATIONS NETWORK FOR A PROGRAMMABLE CALL CONTROL
RR2026	US	09/050,591	6,226,516 Granted	30-Mar-98 1-Ma	y-01 METHOD FOR INVOKING DYNAMICALLY MODIFIABLE SUBSCRIBER SERVICES AND AN INTELLIGENT TELECOMMUNICATION NETWORK INCORPORATING THE SAME
RR2045	US	08/851,672	5,875,302 Granted	6-May-97 23-Fe	b-99 COMMUNICATIONS MANAGEMENT SYSTEM HAVING COMMUNICATION THREAD STRUCTURE INCLUDING A PLURALITY OF INTERCONNECTED THREADS
RR2063	US	08/864,507	6,151,512 Granted	28-May-97 21-No	v-00 COMMUNICATION SYSTEM HAVING OPTIMUM RESOURCE ARRANGEMENTS IN A MULTI-SECTORED ENVIRONMENT AND METHOD THEREFOR
RR2071	US	08/969,373	6,260,186 Granted	13-Nov-97 10-J	universal state machine for use with a concurrent state machine space in a telecommunications network
RR2074	US	09/221,909	6,014,558 Granted	28-Dec-98 11-Ja	n-00 VARIABLE RATE OPTIONAL SECURITY MEASURES METHOD AND APPARATUS FOR WIRELESS COMMUNICATIONS NETWORK
RR2080	US	08/992,263	6,282,190 Granted	17-Dec-97 28-Au	g-01 NETWORK CENTRIC CALL PROCESSING ARCHITECTURE USING DISTRIBUTED CALL SEGMENTS
RR2095	US	08/931,969	6,038,304 Granted	17-Sep-97 14-Ma	17-00 TELECOMMUNICATIONS SWITCH INCORPORATING AUTOMATIC CONFERENCING SERVICE
RR2138	US	08/903,865	6,295,291 Granted	31-Jul-97 25-Se	p-01 SETUP OF NEW SUBSCRIBER RADIOTELEPHONE SERVICE USING THE INTERNET
RR2173	US	08/939,275	6,161,007 Granted	29-Sep-97 12-De	GE-00 METHOD AND APPARATUS FOR PROCESSING MULTIPLE TYPES OF INCOMING COMMUNICATION
RR2180	US	08/922,081	5,991,372 Granted	2-Sep-97 23-No	w-99 METHOD AND APPARATUS FOR FACILITATING FINANCIAL TRANSACTIONS WITHIN A COMMUNICATIONS SYSTEM
RR2182	US	08/931,052	6,212,506 Granted	16-Sep-97 3-Ap	Y-01 PER CALL REAL TIME BILLING DISPLAY
RR2183	US	09/026,089	6,122,522 Granted		p-00 ENHANCED WORST CASE CELL ELIMINATION IN ZONE PAGING WITHIN A CELLULAR COMMUNICATION SYSTEM
RR2185	US	09/221,357	6,224,477 Granted	28-Dec-98 1-Ma	y-01 METHOD FOR ORDERING SUBSCRIBER RECORDS OF WIRELESS COMMUNICATION NETWORKS
RR2211	US	09/032,504	6,129,604 Granted		21-00 DYNAMIC LOAD DISTRIBUTION IN A WIRELESS COMMUNICATION SYSTEM TO EQUALIZE LOADING ON MOBILE SWITCHING CENTERS
RR2220	US	08/965,279	6,122,513 Granted		p-00 METHOD FOR EXTENDING HARD-HANDOFF BOUNDARIES WITHIN A MOBILE TELEPHONE COMMUNICATIONS NETWORK
RR2227	US	08/969,878	6,101,380 Granted		g-00 METHOD OF RE-USING AUTHENTICATION TRIPLETS ON INTER-VLR LOCATION UPDATES
RR2228	US	08/990,553	6,414,758 Granted		J-02 HIGH SPEED FACSIMILE TRANSMISSION
RR2229	US	09/001,282	6,085,335 Granted		1-00 SELF ENGINEERING SYSTEM FOR USE WITH A COMMUNICATION SYSTEMAND METHOD OF OPERATION THEREFORE
RR2248	US	08/957,829	6,021,189 Granted		b-00 SYSTEM FOR CONTROLLING USAGE OF PHONE DEBIT CARDS
RR2267	US	09/096,426	6,178,328 Granted		n-01 METHOD AND SYSTEM FOR SOLVING CELLULAR COMMUNICATIONS FREQUENCY PLANNING PROBLEM
RR2267	US	09/676,236	6,522,885 Granted	<u> </u>	6-03 METHOD AND SYSTEM FOR SOLVING CELLULAR COMMUNICATIONS FREQUENCY PLANNING PROBLEM
RR2294	US	09/038,372	6,128,497 Granted		HIGH CAPACITY CELL PLANNING BASED ON FRACTIONAL FREQUENCY REUSE WITH OPTIMUM TRUNKING EFFICIENCY
RR2299	US	08/990,109	6,115,457 Granted		p-00 MARKING AND SCREENING TELEPHONE CALLS
RR2299	US	09/549,790	6,385,310 Granted	 	y-OZ MARKING AND SCREENING TELEPHONE CALLS
RR2300	US	08/940,412	6,052,363 Granted		OF THE AMOUNT OF CURRENT IN A DISTRIBUTED NETWORK
RR2304	US	08/994,740	6,104,719 Granted		g-00/STATE MACHINE TO SUPPORT CONCURENT MESSAGE STREAMS
RR2312	US	09/096,657	6,421,339 Granted		1-02 METHODS AND SYSTEMS FOR CALL FORWARDING
RR2351	US	09/219,696	6,507,735 Granted		n-03/AUTOMATED SHORT MESSAGE ATTENDANT
RR2360	US	09/223,892	6,278,874 Granted		g OI WIRELESS COMMUNICATION SYSTEM IN WHICH A TERMINATION ACCESS TYPE IS IDENTIFIED TO A SERVING MOBILE SWITCHING CENTER
RR2364	US	09/221,382	6,256,512 Granted		i-DI_MOBILE ACCESS TO A PBX VIA A TLDN IC DI_SHORT MESSAGE PARK AND PAGE SYSTEM AND METHOD
RR2371	US	09/219,557	6,327,478 Granted		
RR2383	US	09/195,945	6,505,046 Granted		n-03 METHOD AND APPARATUS FOR DISTRIBUTING LOCATION-BASED MESSAGES IN A WIRELESS COMMUNICATION NETWORK
RR2411	US	09/216,674	6,560,459 Granted		y-03/CDMA FREQUENCY PLANNING FOR FIXED WIRELESS APPLICATION
RR2425	US	09/176,484	6,363,430 Granted		1-02 METHODS AND SYSTEMS FOR PROVIDING AN ABSENT ADDRESSING SERVICE TO CUSTOMERS IN A COMMUNICATIONS NETWORK
RR2449	US	09/239,225	6,421,739 Granted		1-02 FAULT-TOLERANT JAVA VIRTUAL MACHINE
RR2450	US	09/220,549	6,519,249 Granted		6-03 SCALABLE GATEKEEPERS IN AN INTERNET TELEPHONY SYSTEM AND A METHOD OF OPERATION
RR2451	US	09/211,209	6,272,674 Granted	14-Dec-98 7-Au	g 01 METHOD AND APPARATUS FOR LOADING A JAVA APPLICATION PROGRAM

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RR2452	US	09/193,890	6,778,544 Granted	18-Nov-98	17-Aug-04 METHOD AND SYSTEM FOR REDIRECTING CALLS
RR2456	US	09/364,792	6,647,430 Granted	30-Jul-99	11-Nov-03 GEOGRAPHICALLY SEPARATED TOTEM RINGS
RR2458	US	09/220,550	6,795,867 Granted	23-Dec-98	21-Sep-04 LOAD DISTRIBUTION IN AN INTERNET TELEPHONY SYSTEM USING FACILITY REDIRECTION OF CALLS
RR2475	US	09/198,063	6,161,008 Granted	23-Nov-98	12-Dec-00 PERSONAL MOBILITY AND COMMUNICATION TERMINATION FOR USERS OPERATING IN A PLURALITY OF HETEROGENEOUS NETWORKS
RR2477	US	09/189,605	6,381,219 Granted	10-Nov-98	30-Apr-02 CHANNEL INTEGRITY IN A VOICE-ON-ATM NETWORK
RR2492	US	09/169,022	6,275,695 Granted	8-Oct-98	14-Aug-01 SPECTRUM YIELD MANAGEMENT IN A WIRELESS COMMUNICATION SYSTEM
RR2534	US	09/315,170	6,760,343 Granted	20-May-99	6-Jul-04 METHOD AND APPARATUS FOR PROVIDING A VIRTUAL SS7 LINK IN A COMMUNICATIONS SYSTEM
RR2536	US	09/135,204	6,236,854 Granted	17-Aug-98	22-May-01 METHOD AND APPARATUS FOR CONTROLLING A CONFERENCE CALL
RR2547	US	09/212,650	6,529,475 Granted	16-Dec-98	4-Mar-03 MONITOR FOR THE CONTROL OF MULTIMEDIA SERVICES IN NETWORKS
RR2547	US	10/337,018	6,990,074 Granted	6-Jan-03	24-Jan-06 METHOD AND APPARATUS FOR THE CONTROL OF MULTIMEDIA SERVICES IN NETWORKS
RR2567	US	09/201,997	6,463,053 Granted	1-Dec-98	8-Oct-02 VOICE-AND-FAX-OVER IP DIALING PLAN
RR2574	US	09/359,818	6,560,457 Granted	23-Jul-99	6-May-03 ENHANCED CALL DELIVERY SYSTEM
RR2574	US	10/288,207	6,961,578 Granted	5-Nov-02	1-Nov-05 ENHANCED CALL DELIVERY SYSTEM FOR INTEROPERABILITY BETWEEN CIRCUIT SWITCHED AND PACKET SWITCHED NETWORKS
RR2595	US	09/477,785	6,658,660 Granted	31-Dec-99	2-Dec-03 SYSTEM AND METHOD OF AUTOMATICALLY MODIFYING SOURCE CODE FOR MARSHALING, UNMARSHALING AND MARKING MODIFIED DATA OBJECTS
RR2596	US	09/476,638	6,779,038 Granted	31-Dec-99	17-Aug-04 SYSTEM AND METHOD FOR EXTENDING VIRTUAL SYNCHRONY TO WIDE AREA NETWORKS
RR2596	US	10/832,132	7,496,681 Granted	26-Apr-04	24-Feb-09 System and method for extending virtual synchrony to wide area networks
RR2608	US	09/312,950	6,272,337 Granted	17-May-99	7-Aug-01 TESTING A MOBILE COMMUNICATIONS SYSTEM
RR2625	US	09/321,864	6,411,798 Granted	28-May-99	25-Jun-02 IMETHOD OF ASSIGNING FREQUENCIES FOR USE DURING WIRELESS SYSTEM DRIVE TESTING
RR2646	US	09/412,099	7,092,696 Granted	4-Oct-99	15-Aug-06 ACCOUNTING METHOD AND APPARATUS FOR COMMUNICATIONS NETWORKS
RR2654	US	09/300,130	6,459,783 Granted	27-Apr-99	1-Oct-02 INTERNET SERVICE PROVIDER CALL REDIRECTION
RR2657	US	09/333,841	6,711,147 Granted	15-Jun-99	23-Mar-04 MERGED PACKET SERVICE AND MOBILE INTERNET PROTOCOL
RR2667	US	09/357,250	7,099,929 Granted	20-Jul-99	29-Aug-06 SYSTEM AND METHOD FOR TRANSFERRING INFORMATION IN A HYPERTEXT TRANSFER PROTOCOL BASED SYSTEM
RR2677	US	09/337,209	6,353,902 Granted	8-Jun-99	5-Mar-02 NETWORK FAULT PREDICTION AND PROACTIVE MAINTENANCE SYSTEM
RR2679	US	09/295,030	6,751,459 Granted	20-Apr-99	15-Jun-04 NOMADIC COMPUTING WITH PERSONAL MOBILITY DOMAIN NAME SYSTEM
RT1031	US	08/994,450	6,125,341 Granted	19-Dec-97	26-Sep-00 SPEECH RECOGNITION SYSTEM AND METHOD
SC0053	US	08/827,121	5,946,384 Granted	27-Mar-97	31-Aug-99 ON HOLD CALL WAITING DISPLAY METHOD AND APPARATUS
SC0064	US	08/826,171	6,061,439 Granted	27-Mar-97	9-May-00 METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
SC0065	US	08/997,690	6,108,630 Granted	23-Dec-97	22-Aug-00 TEXT-TO-SPEECH DRIVEN ANNUNCIATION OF CALLER IDENTIFICATION
SC0071	US	08/933,753	6,282,564 Granted	23-Sep-97	28-Aug-01 METHOD, SYSTEM AND APPARATUS FOR EXCHANGING STORED INFORMATION BETWEEN A SERVER AND CUSTOMER PREMISES EQUIPMENT
SC0076	US	09/482,638	6,324,528 Granted	13-Jan-00	27-Nov-01 METHOD AND APPARATUS FOR RECORDING ACTUAL TIME USED BY A SERVICE WHICH MAKES REQUESTS FOR DATA
SC0081	US	08/916,979	6,118,861 Granted	14-Aug-97	12-Sep-00 CALLING PARTY INVOKED HELD CALL MONITORING
SC0089	US	08/970,207	6,295,348 Granted	14-Nov-97	25-Sep-01 METHOD OF ARBITRATING TYPE II-TYPE III CPE'S DURING SCWID
SC0091	US	09/126,994	6,212,389 Granted	31-Jul-98	3-Apr-01 METHODS AND APPARATUS FOR CONTROLLING ALLOCATION OF TRAFFIC CHANNELS IN MACROCELL/MICROCELL TELECOMMUNICATIONS NETWORKS
SC0111	US	08/928,517	6,141,684 Granted	12-Sep-97	31-Oct-00 PUBLIC COMMUNICATIONS SERVICES DISTRIBUTION METHOD AND APPARATUS
SC0112	US	09/109,863	6,304,651 Granted	6-Jul-98	16-Oct-01 COMMUNICATING NETWORK RESOURCE LOCATORS TO CUSTOMER PREMISES EQUIPMENT USING MODIFIED RING ACCESS
SC0136	US	09/209,681	6,327,347 Granted	11-Dec-98	4-Dec-01 CALLING PARTY IDENTIFICATION AUTHENTICATION AND ROUTING IN RESPONSE THERETO
SC0143	US	09/223,991	6,556,561 Granted	31-Dec-98	29-Apr-03 Data Network for real time information
SN0142	US	08/820,332	6,243,390 Granted	12-Mar-97	5-Jun-01 ISDN COMMUNICATIONS CONTROLLER
SN0144	US	08/820,335	6,215,796 Granted	12-Mar-97	10-Apr-01 PROCESS FOR SUBCHANNEL BANDWIDTH ALLOCATION AND EXTRACTION BY AN ISDN COMMUNICATIONS CONTROLLER
SN0148	US	08/842,328	6,128,298 Granted	24-Apr-97	3-Oct-00 INTERNET PROTOCOL FILTER
SN0150	US	08/775,564	5,898,667 Granted	31-Dec-96	27-Apr-99 SS7 NETWORK MANAGEMENT PRIMESHIP
SN0172	US	08/982,471	6,122,364 Granted	2-Dec-97	19-Sep-40 INTERNET NETWORK CALL CENTER
SN0173	US	08/982,501	6,018,579 Granted	2-Dec-97	25-Jan-00 CALL CENTER SERVICES FOR LOCAL CALLS USING LOCAL NUMBER PORTABILITY
SN0179	US	08/974,222	6,393,022 Granted	19-Nov-97	21-May-32 METHOD AND APPARATUS FOR INTEGRATED SERVICES DIGITAL NETWORK USER PART (ISUP) SIGNALING LOOPBACK
SN0201	US	09/249,696	6,636,508 Granted	12-Feb-99	21-Oct-03 INETWORK RESOURCE CONSERVATION SYSTEM
SN0210	US	09/207,938	6,519,242 Granted	9-Dec-98	11-Feb-03 JAPPARATUS AND METHOD OF PSTN BASED NETWORK ROAMING AND SCP BASED SUBSCRIBER MANAGEMENT FOR INTERNET TELEPHONY SYSTEMS
SN0217	US	09/590,431	6,594,822 Granted	8-Jun-00	15-Jul-03 METHOD AND APPARATUS FOR CREATING A SOFTWARE PATCH BY COMPARING OBJECT FILES
SN0222	US	09/564,971	6,973,037 Granted	4-May-00	6-Dec-QS SYSTEM AND METHOD FOR DYNAMICALLY VARYING INTEGRATED SERVICES DIGITAL NETWORK (ISDN) INTERFACE BANDWIDTH
SN0223	US	09/218,814	6,247,175 Granted	22-Dec-98	12-Jun-01 METHOD AND APPARATUS FOR IDENTIFYING AND REMOVING UNUSED SOFTWARE PROCEDURES
SN0229	US	09/209,126	6,611,684 Granted	10-Dec-98	26-Aug-93 METHOD AND APPARATUS FOR IMPLEMENTING CUSTOMER GROUP FUNCTIONALITY IN A WIRELESS ENVIRONMENT
SN0231	US	09/237,750	6,496,578 Granted	26-Jan-99	17-Dec-02 INTEGRATED TELECOMMUNICATIONS SERVICES FOR MOBILE AND LANDLINE TELEPHONY SERVICESUBSCRIBER
SN0249	US	09/388,366	6,243,273 Granted	1-Sep-99	5-Jun-01 MINI-BACKPLANE "T" ASSEMBLY
SR0116	US	08/667,208	5,734,983 Granted	20-Jun-96	31-Mar-98 FREQUENCY ASSIGNMENT IN A CELLULAR RADIO SYSTEM
SR0120	US	08/792,187	6,134,320 Granted	30-Jan-97	17-Oct-00 TELECOMMUNICATIONS FUNCTIONS MANAGEMENT SYSTEM PROVIDING SELECTIVE ALERTING BASED ON CALLER IDENTIFIER

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SR0121	US	08/566,664	5,857,020 Granted	4-Dec-95	
SR0121 SR0126	US	08/600,173	5,825,876 Granted 5,802,474 Granted	12-Feb-96 20-Jun-96	
SR0127	US	· · ·		23-Dec-96	
	US	08/773,521	5,987,113 Granted 6,078,650 Granted		
SR0128 SR0131	US	08/865,949	5,943,395 Granted	30-May-97	
SR0136	US	08/792,188	6,226,379 Granted	30-May-97 30-Jan-97	
SR0137	US	08/792,185	5,978,451 Granted	30-Jan-97	
SR0138	US	08/792,183	6,263,071 Granted	30-Jan-97	
31/0130	03	00/132,104	0,203,071 Granted	30-3411-37	TELEPHONE SYSTEM INTEGRATED TEXT BASED COMMUNICATION APPARATUS AND SYSTEMS TO ESTABLISH COMMUNICATION LINKS TO TDD AND/OR TTY DEVICES AND
SR0148	US	08/865,943	6,002,749 Granted	30-May-97	7 14-Dec-99 OTHER TELEPHONE AND TEXT SERVER SYSTEMS
SR0149	US	08/865,699	5,940,475 Granted	30-May-97	7 17-Aug-99 TELEPHONE SYSTEM INTEGRATED TEXT BASED COMMUNICATION APPARATUS AND SYSTEM TOENHANCE ACCESS FOR TDD AND/OR TTY DEVICES
SR0161	US	09/092,411	6,363,420 Granted	4-Jun-98	26-Mar-02 METHOD AND SYSTEM FOR HEURSTICALLY DESIGNING AND MANAGING A NETWORK
SR0169	US	09/424,790	6,735,286 Granted	2-Aug-00	11-May-04 TELEPHONE SYSTEM INTEGRATED TEXT BASED COMMUNICATION PROCESSES, APPARATUS AND SYSTEMS
SS0109	US	08/623,635	5,905,773 Granted	28-Mar-96	18-May-99 APPARATUS AND METHOD FOR REDUCING SPEECH RECOGNITION VOCABULARY PERPLEXITY AND DYNAMICALLY SELECTING ACOUSTIC MODELS
SS0110	US	08/746,176	5,912,880 Granted	7-Nov-96	5 15-Jun-99 SYSTEM AND METHOD FOR ATM CBR TIMING RECOVERY
SS0112	US	08/746,230	6,128,301 Granted	7-Nov-96	3-Oct-00 ARCHITECTURE FOR DISTRIBUTION OF VOICE OVER ATM NETWORKS
SS0113	US	08/942,201	6,167,117 Granted	1-Oct-97	7 26-Dec-00 IMPROVED VOICE DIALING SYSTEM USING MODEL OF CALLING BEHAVIOUR
SS0115	US	08/931,649	5,999,529 Granted	16-Sep-97	7-Dec-99 METHODS AND APPARATUS FOR INTERWORKING ATM ADAPTATION LAYERFORMATS
SS0116	US	08/842,605	6,236,715 Granted	15-Apr-97	7 22-May-01 METHOD AND APPARATUS FOR USING THE CONTROL CHANNEL IN TELECOMMUNICATIONS SYSTEMS FOR VOICE DIALLING
SS0125	US	09/001,510	6,266,404 Granted	31-Dec-97	7 24-Jul-01 METHOD AND APPARATUS FOR CONTROLLING CHARACTERISTICS OF DISTRIBUTED TELEPHONE SETS FROM A CENTRAL TELEPHONE SWITCH
SS0134	US	08/946,431	6,157,644 Granted	7-Oct-97	5-Dec-00 METHOD AND APPARATUS FOR ACCELERATING OSI LAYER 3 ROUTERS
SS0156	US	09/371,781	6,721,410 Granted	10-Aug-99	13-Agr-04 RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0156	US	10/625,493	7,627,102 Granted	23-Jul-03	3 1-Dec-09 RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0156	US	12/605,168	7,860,229 Granted	23-Oct-09	28-Dec-10 RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0156	US	12/950,749	8,442,199 Granted	19-Nov-10	14-May-13 RRECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0156	US	13/429,128	8,625,768 Granted	23-Mar-12	 '
SS0156	US	13/429,142	8,542,811 Granted	23-Mar-12	2 24-Sed-13 RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0156	US	14/137,420	#EMPTY Filed	20-Dec-13	
SS0159	US	09/224,548	6,449,269 Granted	31-Dec-98	B 10-Sep-02 PACKET VOICE TELEPHONY SYSTEM AND METHOD
SS0162	US	09/081,135	6,330,715 Granted	19-May-98	B 11-Dec-01 METHOD AND APPARATUS FOR MANAGING SOFTWARE IN A NETWORK SYSTEM
SS0166	US	09/222,927	6,885,661 Granted	30-Dec-98	
SS0167	US	09/222,781	6,768,736 Granted	30-Dec-98	8 27-Jul-04 USING AN ATM SWITCH TO GROW THE CAPACITY OF A SWITCHING STAGE
SS0173	US	09/076,844	6,597,662 Granted	13-May-98	
SS0188	US	09/222,782	6,778,538 Granted	30-Dec-98	B 17-Aug-04/VIRTUALJUNCTORS
SS0189	US	09/427,711	6,542,942 Granted	27-Oct-99	
SS0189	US	10/351,272	6,865,624 Granted	24-Jan-03	
SS0199	US	09/220,862	6,744,761 Granted	28-Dec-98	
SS0203	US	09/086,299	6,421,328 Granted	28-May-98	
SS0233	US	09/383,867	6,694,019 Granted	26-Aug-99	
		-,,			ACCESS TO TELECOMMUNICATIONS NETWORKS IN A MULTISERVICE ENVIRONMENT BY MAPPING AND EXCHANGING CONTROL MESSAGE BETWEEN CPE ADAPTORS AND
ST0117	US	08/745,171	5,954,799 Granted	7-Nov-96	5 21-Sep-99 ACCESS SERVER
ST0124	US	08/980,761	5,911,264 Granted	1-Dec-97	7 15-Jun-99 HINGE PIN RAMP, RETAINER AND DOORSTOP FOR A FRAME DOOR
ST0127	US	09/220,860	6,868,140 Granted	28-Dec-98	B 15-Mar-05 TELEPHONY CALL CONTROL USING A DATA NETWORK AND A GRAPHICAL USER INTERFACE AND EXCHANGING DATAGRAMS BETWEEN PARTIES TO A TELEPHONE CALL
ST0154	US	09/220,962	6,888,927 Granted	28-Dec-98	B 3-May-G5 GRAPHICAL MESSAGE NOTIFICATION
ST0156	US	09/217,910	6,477,539 Granted	22-Dec-98	5-Nov-02 METHOD AND APPARATUS FOR INTERFACING A MANAGER AND A PLANT
ST0166	US	09/224,841	6,262,972 Granted	31-Dec-98	B 17-Jul-01 DIGITAL MULTITIONE COMMUNICATION TRUNK
ST0179	US	09/220,993	7,171,686 Granted	28-Dec-98	30-Jan-07 OPERATING SYSTEM EXTENSION TO PROVIDE SECURITY FOR WEB-BASED PUBLIC ACCESS SERVICES
ST0184	US	09/220,963	6,243,450 Granted	28-Dec-98	5-Jun-01 PAY-PER-USE FOR DATA-NETWORK BASED PUBLIC ACCESS SERVICES
TA0112	US	08/691,486	6,055,297 Granted	2-Aug-96	5 25-Apr-00 REDUCING CROSSTALK BETWEEN COMMUNICATIONS SYSTEMS
TA0112	US	09/259,681	6,339,613 Granted	1-Mar-99	15-Jan-02 REDUCING CROSSTALK BETWEEN COMMUNICATIONS SYSTEMS
TA0119	US	09/236,159	6,438,125 Granted	22-Jan-99	20-Aug-02 METHOD AND SYSTEM FOR REDIRECTING WEB PAGE REQUESTS ON A TCP/IP NETWORK
TM0042	US	08/917,548	6,018,708 Granted	26-Aug-97	7 25-Jan-00 METHOD AND APPARATUS FOR PERFORMING SPEECH RECOGNITION UTILIZING A SUPPLEMENTARY LEXICON OF FREQUENTLY USEDORTHOGRAPHIES
TM0045	US	09/165,120	6,295,540 Granted	2-Oct-98	3 25-Sep-01 ALIGNMENT OF TIRKS USING NETWORK MANAGER

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TW0008	US	09/323,779	6,522,641 Granted	1-Jun-99 18-Feb-03 INTEGRATED DATA CENTRIC NETWORK (IDCN)
13339XR	US	08/139,397	5,629,790 Granted	18-Oct-93 13-May-97 MICROMACHINED TORSIONAL SCANNER
BA0019	US	08/473,133	5,664,107 Granted	7-Jun-95 2-Sep-97 METHOD FOR PROVIDING FOR AUTOMATIC TOPOLOGY DISCOVERY IN AN ATM NETWORK OR THE LIKE
BA0021	US	08/086,176	5,400,325 Granted	29-Jun-93 21-Mar-95 METHOD AND APPARATUS PROVIDING FOR HUNT GROUPS IN AN ATM NETWORK OF THE LIKE
ID0139	US	08/275,493	5,416,865 Granted	15-Jul-94 16-May-95 OPTICAL WAVEGUIDE AMPLIFIER
ID0212	US	07/335,259	5,633,965 Granted	7-Nov-94 27-May-97 OPTICAL FIBRE ELEMENTS
MO0131	US	08/739,077	5,781,770 Granted	24-Oct-96 14-Jul-98 METHOD AND CONTROLLER FOR CONTROLLING SHUTDOWN OF A PROCESSING UNIT
RO2814	US	08/200,081	5,666,406 Granted	10-Feb-94 9-Sep-97 HAZARD PREVENTION FOR TELEPHONE LINE INTERFACE CIRCUITS
RO2863	US	08/986,286	6,064,732 Granted	6-Dec-97 16-May-00 SCREEN-BASED TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONY SERVICE
RO2907	US	08/257,975	5,420,538 Granted	10-Jun-94 30-May-95 A LINEAR BIPOLAR JUNCTION TRANSISTOR AMPLIFIER
RO4171	US	29/092,093	D428,659 Granted	12-Aug-98 25-Jul-00 LIGHTPIPE
RR1061	US	08/725,551	5,832,065 Granted	3-Oct-96 3-Nov-98 SYNCHRONOUS VOICE/DATA MESSAGING SYSTEM
11157SS	US	10/662,603	#EMPTY Filed	15-Sep-G3 HEMPTY METHOD, APPARATUS AND ARTICLE OF MANUFACTURE FOR WEB-BASED CONTROL OF A CALL SERVER
12155RX	US	09/702,931	#EMPTY Inactive	31-Oct-00 HEMPTY METHOD AND SYSTEM FOR CONNECTIVITY BETWEEN NETWORK LOCATIONS WITH DYNAMIC ADDRESSES
12155RX	US	13/633,269	#EMPTY Inactive	2-Oct-12 HEMPTY SECURE COMMUNICATIONS SESSIONS OVER A NETWORK
14830RO	US	10/013,678	#EMPTY Inactive	13-Dec (1) #EMPTY FRAMEWORK FOR SERVICE PERSONALIZATION
16397RO	US	10/698,525	#EMPTY Inactive	3-Nov-03 #EMPTY FLEXIBLE CHANNEL BONDING
16670ID	US	10/818,685	#EMPTY Filed	6-Apr-04 REMPTY TRAFFIC ENGINEERING IN FRAME-BASED CARRIER NETWORKS
18344RN	US	11/463,181	#EMPTY Inactive	8-Aug-06 REMPTY INTELLIGENT RING-BACK INDICATOR
19459RN	US	12/483,690	#EMPTY Inactive	12-Jun-09 #EMPTY TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS
13345XR	US	08/846,837	6,122,394 Granted	1-May-97 19-Sep-00 COMPACT, SIMPLE, 2D RASTER, IMAGE-BUILDING FINGERPRINT SCANNER
14994EP	US	08/616,746	5,838,910 Granted	14-Mar-96 17-Nov-98 SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVICELINKED TO A SERVER AT AN INTERNET SITE
14994EP	US	08/818,665	5,838,916 Granted	14-Mar-97 17-Nov-98 SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVICELINKED TO A SERVER
14994EP	US	09/108,770	6,065,043 Granted	2-Jul-98 16-May-00 SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVICELINKED TO A SERVER
14994EP	US	09/192,951	6,240,442 Granted	16-Nov-98 29-May-01 Systems and methods for executing application programs from a memory devicelinked to a server at an internet site
14994EP	US	09/356,225	6,115,741 Granted	16-Jul-99 5-Sep-00 SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVICELINKED TO A SERVER
BA0057	US	08/447,066	5,802,286 Granted	22-May-95 1-Sep-98 A METHOD AND APPARATUS FOR CONFIGURING A VIRTUAL NETWORK
FR0090	US	08/922,945	5,974,429 Granted	3-Sep-97 26-Oct-99 METHOD AND APPARATUS FOR UPDATING DISTRIBUTED DATABASES IN A TELECOMMUNICATIONS NETWORK
HQ0044	US	08/745,504	5,903,628 Granted	12-Nov-96 11-May-99 CALLER INFORMATION (CLID) CONTROLLED AUTOMATIC ANSWER FEATURE FOR TELEPHONE
ID0151	US	08/549,685	5,917,901 Granted	15-Apr-93 29-Jun-99 TELECOMMUNICATION'S SYSTEM
ID0169	US	08/528,640	5,737,459 Granted	14-Sep-95 7-Apr-98 AN INTERFEROMETRIC OPTICAL MULTIPLEXER
ID0260	US	08/528,907	5,969,714 Granted	27-Nov-95 19-Oct-99 INTERACTIVE VIDEO SYSTEM
ID0290	US	08/809,350	6,005,874 Granted	25-Sep-95 21-Dec-99 COMMUNICATIONS SYSTEM
ID0307	US	08/640,687	5,953,670 Granted	1-May-96 14-Sep-99 COMMUNICATIONS SYSTEM
ID0331	US	08/620,414	5,699,418 Granted	22-Mar-96 16-Dec-97 TELEPHONE CIRCUIT
ID0336	US	08/594,471	5,647,037 Granted	31-Jan-96 8-Jul-97 OPTICAL FILTERING
ID0336	US	08/800,261	5,740,290 Granted	13 Feb-97 14-Agr. 98 OPTICAL FILTERING
ID0345	US	09/077,809	6,128,495 Granted	13-Dec-96 3-Oct-00 METHOD OF ROUTING CALLS IN A COMMUNICATIONS SYSTEM
ID0350	US	08/753,845	5,742,714 Granted	2-Dec-96 21-Apr-98 OPTICAL FM TO AM CONVERSION
ID0373	US	08/894,021	5,959,967 Granted	16-Aug-96 28-Sep-99 DIGITAL TRANSMISSION SYSTEM
ID0414	US	08/739,365	5,786,914 Granted	29-Oct-96 28-Jul-98 WDM CHANNEL INSERTION
ID0418	US	08/739,492	5,995,566 Granted	28-Oct-96 30-Nov-99 INTERFERENCE REDUCTION IN TELECOMMUNICATION SYSTEMS
ID0447	US	08/739,491	5,832,032 Granted	28-Oct-96 3-Nov-98 INTERFERENCE REDUCTION IN TELECOMMUNICATIONS SYSTEMS
ID0480	US	08/769,208	5,974,237 Granted	18-Dec-96 26-Oct-99 COMMUNICATIONS NETWORK MONITORING
ID0482	US	09/117,907	6,449,261 Granted	14-Mar-97 10-Sep-02 TIME DIVISION DUPLEXED MULTICARRIER TRANSMISSION
ID0486	US	08/799,496	5,867,500 Granted	12-Feb-97 2-Feb-99 COMMUNICATIONS IN A DISTRIBUTION NETWORK
ID0490	US	08/837,435	5,835,533 Granted	17-Apr-97 10-Nov-98 COMMUNICATIONS IN A DISTRIBUTION NETWORK
ID0493	US	08/798,773	5,889,765 Granted	11-Feb-97 30-Mar-99 A BIDIRECTIONAL COMMUNICATIONS NETWORK
ID0543	US	08/890,054	6,023,762 Granted	9-Jul-97 8-Feb-00 MULTI VIEW PERSONALISED COMMUNICATIONS AGENT
ID0546	US	08/998,918	6,173,282 Granted	29-Dec-97 9-Jan-01 ELECTRONIC SEALED ENVELOPE
ID0580	US	08/871,930	5,828,293 Granted	10-Jun-97 27-Oct-98 DATA TRANSMISSION OVER A POWER LINE COMMUNICATIONS SYSTEM
ID0581	US	08/770,222	5,920,582 Granted	19-Dec-96 G-Jul-99 CLADDING MODE PUMPED AMPLIFIER
ID0600	US	08/823,632	5,960,070 Granted	25-Mar-97 28-Sep-99 PAY AS YOU COMMUNICATE CALL CENTRE
ID0625	US	08/858,321	5,999,283 Granted	19-May-97 7-Dec-99 OPTICAL LOGIC DEVICES AND METHODS

	SH WASH	140	CANADA SENSO	ADA LONGA HADA MANO	Sept Rest Oaks 12	SPECIAL SECTION
		EDR:	SHENDE	9000		
1.5 1.5	ID0644	US	08/873,497	5,970,064 Granted	12-Jun-97	19-Oct-99 REAL TIME CONTROL ARCHITECTURE FOR ADMISSION CONTROL IN COMMUNICATIONS NETWORK
1000 15	ID0702	US	08/961,970	5,970,185 Granted	31-Oct-97	19-Oct-99 OPTICAL SWITCHES, MODULATORS AND TRANSMITTERS
1977 15 1895 15 1895 15 1895 15 1896	ID0716	US	08/942,189	5,930,439 Granted	1-Oct-97	27-Jul-99 FABRICATION OF POLARIZATION INSENSITIVE PLANAR LIGHTWAVE CIRCUITS
1985 15	ID0760	US	08/980,504	6,130,918 Granted	1-Dec-97	10-Oct-00 METHOD AND APPARATUS FOR REDUCING THE PEAKTO AVERAGE RATIO IN A MULTICARRIER COMMUNICATION SYSTEM
1862 5 1898394 5 5 5 5 5 5 5 5 5	ID0770	US	08/957,267	6,078,815 Granted	23-Oct-97	20-Jun-00 METHOD AND APPARATUS FOR ALLOCATING RADIO CHANNELS
1982 5.5 2085035 500,000 10	ID0805	US	08/943,169	6,037,678 Granted	3-Oct-97	14-Mar-00 COUPLING COMMUNICATIONS SIGNALS TO A POWER LINE
1985 5. 1989 272 5. 68850 Germand 16-0c.57 38 May 90 COMMERCENTON SOTIN REPORTCULE AND OPERATION REPORTCUL THEORY	ID0838	US	08/993,944	5,974,206 Granted	19-Dec-97	26-Oct-99 DISPERSION COMPENSATION WITH LOW POLARISATION MODE DISPERSION
DOSS 5	ID0842	US	08/980,505	6,061,363 Granted	1-Dec-97	9-May-60 COMMUNICATIONS SYSTEM WITH LOAD SHARING COMMUNICATIONS INTERFACE
Dec Dec	ID0843	US	08/991,272	6,069,947 Granted	16-Dec-97	30-May-00 COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREFOR
2010 15 20133-193 59133-99 5919-99	ID0928	US	09/071,071	6,243,514 Granted	30-Apr-98	5-Jun-01 OPTICAL MULTIPLEXER/DEMULTIPLEXER
	ID0952	US	09/114,779	5,977,650 Granted	13-Jul-98	2-Nov-99 TRANSMITTING COMMUNICATIONS SIGNALS OVER A POWER LINE NETWORK
NOTICE 15 15 15 15 15 15 15 1	ID1010	US	09/185,361	6,470,020 Granted	3-Nov-98	22-Oct-02 INTEGRATION OF STIMULUS SIGNALLING PROTOCOL COMMUNICATION SYSTEMS AND MESSAGE PROTOCOL COMMUNICATION SYSTEMS
NOTES 15 15 15 15 15 15 15 1	ID1062	US	09/153,393	5,991,269 Granted	15-Sep-98	23-Nov-99 EMC REDUCTION METHOD FORXDSL MODEMS
MODIES S. 08/80/2004 S. 20/200 Semined 11 July 6	MO0140	US	08/496,650	5,614,750 Granted	29-Jun-95	
MODIS U.S. 08/351_84 5.512.566 Gented 31-04.57 18-har-57 ELECTRODE STRUCTURE FOR REPROJECTINE CAPACHOOS FORINTEGRATED CRICUTS	MO0146	US	08/814,627	5,886,867 Granted	10-Mar-97	23-Mar-99 FERROELECTRIC DIELECTRIC FOR INTEGRATED CIRCUIT APPLICATIONSAT MICROWAVE FREQUENCIES
MODIS S S S S S S S S S	MO0147	US	08/680,286	5,789,303 Granted	11-Jul-96	
MINISP 15	MO0148	_	08/551,264	5,612,560 Granted	31-Oct-95	
MAINSING U.S 86/733,888 S.301,265 Germled 30 Sep 96 22 Sep 98 CENTRALIZED MANAGEMENT AND ALLOCATION OF BRIDGES IN A TELECOMMUNICATION'S INTRODUCT FOR A MEET ME CONTREW'S SERVICE	_	_	 			
RM1084 U.S. 08/723.081 S. 5812.653 Granted 20 Mar-97 27 Jung 90 Promotine Order BASED ACCESS TO AMEET ME CONFERENCING SERVICE	RM1069	_		5,793,858 Granted	20-Mar-96	•
RADIBIS S. 08/R22.618 S. 5803.84 Granted 20 May 97 27 Jul 99 DYNAMICALLY CONTROLLED ROUTING OF CALLS IN INTELLIGENT NETWORKS		_	· · ·			
R02818 U.S. 08/440,358 5.761,275 Granted 11-May 95 2-Jun 98 TELEPHONE INSTRUMENT AND METHOD FOR ALTERING ALDRILE CHARACTERISTICS	_	_				
R02866 US 08/487.771 S.556.602 Granted Suun-55 S.D-d.59 ELECTRONIC COMPONENTS CARRIED UPON ASUBSTRATE		+				
R02899 U.S 06/R62.966 5.704.117 Granted 13.1um-56 6.3am-88 METHOD OF ASSEMBLING AN EMI SHIELD ABOUND AN ELECTRONIC COMPONENT		_				
R02954 US 08/338.563 5.761.197 Granted 14 Nov-94 2-Jun-98 COMMUNICATIONS IN A DISTRIBUTION NETWORK R02962 US 08/385.419 5.563.970 Granted 8-Feb-95 8-Det-96 TAPER SHAPES FOR LUTRALOW SIDELOBE LEVELS IN DIRECTIONAL COUPLER FILTERS R02952 US 08/717.176 ISS 5.757.966 Granted 22-Sep-96 22-May-98 MAGNETIC FULL TOURDSPEAKER ASSEMBLY WITH PORTED ENCLOSURE R02962 US 08/712.277 5.868.965 Granted 22-Sep-96 22-May-98 MAGNETIC FULL TOURDSPEAKER ASSEMBLY WITH PORTED ENCLOSURE R02963 US 08/712.313 5.908.366 Granted 6-Dec-96 11-May-99 EXTERNITY HIGH REQUENCY MULTIPOINT PIXED ACCESS WIRELESS COMMUNICATION SYSTEM R02968 US 08/751.470 5.710.849 Granted 1-Nov-95 16-Sep-97 TAPER SHAPES FOR FURTHARNO RESPONSE AND SIDELOBE SUPPRESSION IN GRAITING ASSISTED OPTICAL COUPLER FILTERS R03001 US 08/754.8304 5,688.900 Granted 1-Nov-95 16-Sep-97 TAPER SHAPES FOR FURTHARNO RESPONSE AND SIDELOBE SUPPRESSION IN GRAITING ASSISTED OPTICAL COUPLER FILTERS R03010 US 08/754.2349 5,688.900 Granted 1-Nov-95 16-Sep-97 TAPER SHAPES FOR FURTHARNO RESPONSE AND SIDELOBE SUPPRESSION IN GRAITING ASSISTED OPTICAL COUPLER FILTERS R03010 US 08/754.2349 5,689.900 Granted 1-Nov-95 16-Sep-97 TAPER SHAPES FOR FURTHARNO RESPONSE AND SIDELOBE SUPPRESSION AND BANDWIDTH MINIMIZATION IN DISTRIBUTED FEEDBACK OPTICAL REFLECTION FILTERS R03010 US 08/753.2494 5,889.800 Granted 1-Nov-95 16-Sep-97 TAPER SHAPES FOR FURTHARNO RESPONSE AND SIDELOBE SUPPRESSION AND BANDWIDTH MINIMIZATION IN DISTRIBUTED FEEDBACK OPTICAL REFLECTION FILTERS R03017 US 08/753.2494 5,889.800 Granted 1-Nov-95 2-Nov-99 HIGH CAPACITY ATM SWITCH R03018 US 08/758.716 5,766.700 Granted 1-Nov-95 2-Nov-99 HIGH CAPACITY ATM SWITCH R03018 US 08/758.716 5,770.109 Granted 1-Nov-95 1-Nov-99 1-Nov-99 1-Nov-99 1-Nov-99 1-Nov-99 1-Nov-99 1-Nov-99 1-Nov-99 1-Nov-99 1-Nov-99		+	+			
R02962 US 08/385,419 5,563,970 Granted 23 Sep.96 26 May 98 MAGNETIC FULID LOUDSPEAKER ASSEMBLY WITH PORTED ENCLOSURE		+	 			
R02965 US 08/712,018 S,757;946 Granted 22 Sep. 96 25 May 98 MAGNETIC FILID LOUDSPEARER ASSEMBLY WITH PORTED ENCLOSURE		+	+			
R02992 US		_	· · ·			
R02996 US 08/761,213 S.903,826 Granted G. Dec. 96 11. May 99 EXTREMELY HIGH PREQUENCY MULTIPOINT FIXED ACCESS WIRELESS COMMUNICATION SYSTEM		_				
R02998 US 88/55,470 5,70,849 Granted 1-Nov-95 20-Jan-99 TAPER SHAPES FOR FLATBAND RESPONSE AND SIDELOBE SUPPRESSION IN GRATING ASSISTED OPTICAL COUPLER PLITERS		_				
R03001 US		+				
R03003 US 08/516.269 5.610.910 Granted 17-Aug 95 11-Mar-97 AN IMPROVED ACCESS TO TELECOMMUNICATIONS NETWORKS IN MULTISERVICE ENVIRONMENT						
R03010 US 08/73,649 5,881,049 Granted 3-Oct.96 9-Mar-99 ADMISSION CONTROL IN AN ATM SWITCHING NODE		1				
R03017 US		_	+			
R03048 US						
R03061 US		_				
803667 US 68/587,046 5,737,109 Granted 16-lan-96 7-pp-98 THERMAL DOWN MIXING IN DIODE LASER TRANSMITTERS TO SUPPRESS STIMULATED BRILLOUIN SCATTERING 803078 US 68/691,050 5,715,271 Granted 1-Aug-96 3-feb-98 POLARIZATION INDEPENDENT GRATING RESONATOR FILTER 803112 US 68/773,905 5,899,981 Granted 27-Dec-96 4-May-99 METHOD AND SYSTEM FOR PROCESSING EXPENSE VOUCHERS 803120 US 68/694,124 5,796,818 Granted 8-Aug-96 18-Aug-98 DYNAMIC OPTIMIZATION OF HANDSFREE MICROPHONE GAIN 803125 US 68/719,302 5,722,845 Granted 19-Sep-96 3-Mar-98 ELECTRICAL CONNECTORS 803132 US 68/632,061 5,740,159 Granted 23-May-96 14-Apr-98 LOOPBACK MECHANISM FOR FRAME RELAY OAM 803143 US 68/728,428 5,777,529 Granted 10-Oct-96 7-Jul-98 INTEGRATED CIRCUIT ASSEMBLY FOR DISTRIBUTED BROADCASTING OF HIGH SPEED CHIP INPUT SIGNALS 803184 US 68/730,831 5,684,224 Granted 31-Jan-97 6-Oct-98 TRANSFORMERLESS DATA TRANSMISSION LINE DRIVER 803184 US 68/730,831 5,684,234 Granted 17-Oct-96 4-Nov-97 PROXIMITY		+				
R03078		_	· · ·			
R03112 US 08/773,905 5,899,981 Granted 27-Dec-96 4-May-99 METHOD AND SYSTEM FOR PROCESSING EXPENSE VOUCHERS R03120 US 08/694,124 5,796,818 Granted 8-Aug-96 18-Aug-98 DYNAMIC OPTIMIZATION OF HANDSFREE MICROPHONE GAIN R03132 US 08/719,302 5,722,845 Granted 19-Sep-96 3-Mar-98 ELECTRICAL CONNECTORS R03132 US 08/652,061 5,740,159 Granted 23-May-96 14-Apr-98 LOOPBACK MECHANISM FOR FRAME RELAY OAM R03143 US 08/728,428 5,777,529 Granted 10-Oct-96 7-Jul-98 INTEGRATED CIRCUIT ASSEMBLY FOR DISTRIBUTED BROADCASTING OF HIGH SPEED CHIP INPUT SIGNALS R03169 US 08/792,861 5,818,874 Granted 31-Jan-97 6-Oct-98 TRANSFORMERIESS DATA TRANSMISSION LINE DRIVER R03184 US 08/730,831 5,684,294 Granted 17-Oct-96 4-Nov-97 PROXIMITY AND AMBIENT LIGHT MONITOR R03205 US 08/727,367 5,789,799 Granted 27-Sep-96 4-Aug-98 HIGH FREQUENCY NOISE AND IMPEDANCE MATCHED INTEGRATED CIRCUITS		_				
R03120 US 08/694.124 5.796.818 Granted 8.Aug.96 18.Aug.96 18.Aug.96 DYNAMIC OPTIMIZATION OF HANDSPREE MICROPHONE GAIN		_				
R03125 U.S 08/719,302 5,722,845 Granted 19 Sep-96 3 - Mar-98 ELECTRICAL CONNECTORS R03132 U.S 08/652,061 5,740,159 Granted 23 - May-96 14 - Apr-98 LOOPBACK MECHANISM FOR FRAME RELAY OAM R03143 U.S 08/728,428 5,777,529 Granted 10 - Oct-96 7 - Jul-98 INTEGRATED CIRCUIT ASSEMBLY FOR DISTRIBUTED BROADCASTING OF HIGH SPEED CHIP INPUT SIGNALS R03169 U.S 08/728,8428 5,818,874 Granted 31 - Jan-97 6 - Oct-98 TRANSFORMERIESS DATA TRANSMISSION LINE DRIVER R03184 U.S 08/728,831 5,684,294 Granted 17 - Oct-96 4 - Nov-97 PROXIMITY AND AMBIENT LIGHT MONITOR R03205 U.S 08/727,367 5,789,799 Granted 27 - Sep-96 4 - Aug-98 HIGH FREQUENCY NOISE AND IMPEDANCE MATCHED INTEGRATED CIRCUITS		_				
R03132 US		_			-	
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R03169 U.S 08/792,861 5,818,874 Granted 31-Jan-97 6-Oct-98 TANAFORMERLESS DATA TRANSMISSION LINE DRIVER R03184 U.S 08/730,831 5,684,294 Granted 17-Oct-96 4-Nov-97 PROXIMITY AND AMBIENT LIGHT MONITOR R03205 U.S 08/727,367 5,789,799 Granted 27-Sep-96 4-Aug-98 HIGH FREQUENCY NOISE AND IMPEDANCE MATCHED INTEGRATED CIRCUITS		_				
RO3184 US 08/730,831 5,684,294 Granted 17-Oct-96 4-Nov-97 PROXIMITY AND AMBIENT LIGHT MONITOR RO3205 US 08/727,367 5,789,799 Granted 27-Sep-96 4-Aug-98 HIGH FREQUENCY NOISE AND IMPEDANCE MATCHED INTEGRATED CIRCUITS		+				
RO3205 US 08/727,367 5,789,799 Granted 27-Sep-96 4-Aug-98 HIGH FREQUENCY NOISE AND IMPEDANCE MATCHED INTEGRATED CIRCUITS	_	+				4-Nov-97 PROXIMITY AND AMBIENT LIGHT MONITOR
		US				4-Aug-98 HIGH FREQUENCY NOISE AND IMPEDANCE MATCHED INTEGRATED CIRCUITS
	_	+				14-Dec-99 HIGH FREQUENCY NOISE AND IMPEDANCE MATCHED INTEGRATED CIRCUITS
RO3304 US (08/749,687 5,878,228) Granted 15-Nov-96 2-Mar-99) DATA TRANSFER SERVER WITH TIME SLOTS SCHEDULING BASE ON A TRANSFER RATE AND PREDETERMINED DATA		+				
RO3322 US 08/815,260 5,825,860 Granted 12-Mar-97 20-Oct-98 LOAD SHARING GROUP OF SERVICE CONTROL POINTS CONNECTED TO A MEDIATION POINT FOR TRAFFIC MANAGEMENT CONTROL		_				20-Oct-99 LOAD SHARING GROUP OF SERVICE CONTROL POINTS CONNECTED TO A MEDIATION POINT FOR TRAFFIC MANAGEMENT CONTROL
RO3346 US 08/932,709 5,894,166 Granted 17-Sep-97 13-Apr99 CHIP MOUNTING SCHEME		US	+		17-Sep-97	13-Apr-99 CHIP MOUNTING SCHEME
RO3558 US 09/172,997 6,370,151 Granted 16-Oct-98 9-Apr-02 METHOD OF PROVISIONING NODES WITHIN A COMMUNICATIONS NETWORK	RO3558	US				9-Apr-02 METHOD OF PROVISIONING NODES WITHIN A COMMUNICATIONS NETWORK
RO3625 US 08/998,223 6,597,684 Granted 24-Dec-97 22-Jul-03 DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OFSERVICE-BASED ROUTE COMPUTATION		US			24-Dec-97	22-Jul-03 DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE-BASED ROUTE COMPUTATION
RR1109 US 08/534,290 5,793,857 Granted 27-Sep-95 11-Aug-98 METHOD OF USING DYNAMIC DATABASE TO IMPROVE TELEPHONE NUMBERPORTABILITY	RR1109	US	08/534,290	5,793,857 Granted	27-Sep-95	11-Aug-98 METHOD OF USING DYNAMIC DATABASE TO IMPROVE TELEPHONE NUMBERPORTABILITY

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RR2226	US	08/948,443	6,044,141 Granted	10-Oct-97	8-Mar-00 METHO	DD AND SYSTEM FOR PROVIDING VIRTUAL AGENTS FOR TELEPHONY SERVICES
SC0030	US	08/715,823	5,937,058 Granted	19-Sep-96	10-Aug-99 COORE	DINATING TELEPHONES OR ADJUNCTS ON THE SAME LOOP
SC0051	US	08/837,975	5,966,432 Granted	14-Apr-97	12-Oct-99 REMOT	TE ANSWERING OF DOORBELL
SS0113	US	08/726,604	5,917,891 Granted	7-Oct-96	29-Jun-99 CALL F	ORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
SS0113	US	08/806,861	5,905,789 Granted	26-Feb-97	18-May-99 CALL-F	ORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
ST0115	US	08/632,597	5,787,151 Granted	15-Apr-96	28-Jul-98 TELEPH	HONY BASED DELIVERY SYSTEM OF MESSAGES CONTAINING SELECTED GREETINGS
TM0037	US	08/413,556	5,646,678 Granted	30-Mar-95	8-Jul-97 DIGITA	AL VIDEO NETWORKS
ID0205	US	08/344,551	5,493,624 Granted	23-Nov-94	20-Feb-96 OPTICA	ALLY INTEGRATED POLARISATION CONVERTER & CONTROLLER
MO0121	US	08/637,963	5,726,084 Granted	25-Apr-96	10-Mar-98 METHO	OD OF MAKING INTEGRATED CIRCUITS
RM1073	US	08/329,716	5,526,414 Granted	26-Oct-94	11-Jun-96 DYNAN	MICALLY CONTROLLED ROUTING USING VIRTUAL NODES
RO2863	US	08/354,599	5,615,257 Granted	13-Dec-94	25-Mar-97 SCREEN	N BASED TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONY SERVICE
RO2913	US	08/348,850	5,499,047 Granted	28-Nov-94	12-Mar-96 TELEVI	SION SIGNAL DISTRIBUTION NETWORK
RR1060	US	08/292,275	5,564,121 Granted	18-Aug-94		OCELL LAYOUT HAVING DIRECTIONAL AND OMNIDIRECTIONAL ANTENNAS DEFINING A RECTILINEAR LAYOUT IN A BUILDING
11471RN	US	09/684,828	7,227,931 Assigned Round 2		Metho	d and system for providing enhanced caller identification
11471RN	US	09/684,828	6,178,232 Assigned Round 2			d and system for providing enhanced caller identification
14233ST	US	09/515,784	6,438,215 Assigned Round 2		Metho	d and system for filter based message processing in a unified messaging system
14233ST	US	10/183,283	6,782,079 Assigned Round 2		Metho	d and system for filter based message processing in a unified messaging system
14233ST	US	10/923,440	Abandoned Assigned Round 2		Metho	d and system for filter based message processing in a unified messaging system
14234ST	US	09/515,030	6,487,278 Assigned Round 2		Metho	d and system for interfacing systems unified messaging with legacy systems located behind corporate firewalls
14234ST	US	10/264,137	6,868,144 Assigned Round 2		Metho	d and system for interfacing systems unified messaging with legacy systems located behind corporate firewalls
14234ST	US	10/881,355	7,162,014 Assigned Round 2		Metho	d and system for interfacing systems unified messaging with legacy systems located behind corporate firewalls
14235ST	US	09/514,653	6,498,835 Assigned Round 2		Metho	d and system for providing visual notification in a unified messaging system
14235ST	US	10/246,719	7,068,762 Assigned Round 2		Metho	d and system for providing visual notification in a unified messaging system
14235ST	US	11/383,388	Abandoned Assigned Round 2		Metho	d and system for providing visual notification in a unified messaging system
RO2939	US	08/979,153	5,862,334 Assigned Round 2		Mediat	ted access to an intelligent network
11590RN	US	08/649,436	5,850,606 Assigned Round 2		Metho	d and system for transferring a cellular telephone call between intelligent cell sites
16037AB	US	10/892,020	7,619,995 Assigned Round 2		Transo	oders and mixers for voice-over-IP conferencing
16037AB	US	12/587,591	8,077,636 Assigned Round 2		Transo	oders and mixers for voice-over-IP conferencing
ID0158	US	08/155,466	5,454,109 Assigned Round 2		Data p	rocessing system with interface between application programs and external tools residing in separate environments
19979RO	US	12/690,196	- Assigned Round 2		Metho	d and apparatus for adjusting a symbol decision threshold at a receiver in a communication network
19853RO	US	12/620,745	7,940,822 Assigned Round 2		Trackin	ng injection seeding power based on back facet monitoring (BFM) of an injection seeded laser
19853RO	US	13/082,690	8,170,074 Assigned Round 2		Trackin	ng injection seeding power based on back facet monitoring (BFM) of an injection seeded laser
MO0105	US	08/125,264	5,330,931 Assigned Round 1		Metho	d of making a capacitor for an integrated circuit
MO0105	US	08/224,499	5,452,178 Assigned Round 1		Structu	ure and method of making a capacitor for an intergrated circuit
19075RO	US	12/114,252	8,473,638 Assigned Round 1		Metho	d and apparatus for time and frequency transfer in communication networks
18751RO	US	07/897,477	5,388,124 Assigned Round 1		Precod	ling scheme for transmitting data using optimally-shaped constellations over intersymbol-interference channels
RO3204	US	09/078,509	6,052,420 Assigned Round 2		Adapti	ive multiple sub-band common mode RFI suppresson
14234ST	US	11/651,335	8,687,773 RPX Added_Rockstar Confirmed	1/8/2007	4/1/2014 Metho	d and system for interfacing systems unified messaging with legacy systems located behind corporate firewalls
11471RN	US	11/789,658	8,139,732 RPX Added_Rockstar Confirmed	4/25/2007	3/20/2012 Metho	d and system for providing enhanced caller identification
19075RO	US	13/924,714	RPX Added_Rockstar Confirmed	6/24/2013	METHO	OD AND APPARATUS FOR TIME AND FREQUENCY TRANSFER IN COMMUNICATION NETWORKS
	US	08/072,585	5,471,474 RPX Added_Rockstar Confirmed	6/4/1993	11/28/1995 COMM	IUNICATIONS HIGHWAY NETWORK SYSTEM

		APPENDING STATES	***			***	State Park
						0.000	
10159RR	GB	300510.5	1 030 491	Granted		27-Jul-05 10159RPGB09E	
10159RR 10159RR	GB FR	4075527.4 300510.5	1 445 915 1 080 491	Granted Granted		18-Jun-08 10159RRGB11\ 27-Jul-05 10159RRFR07F	SISTEM AND METHOD FOR ROUTE OPTIMIZATION IN A WIRELESS INTERNET PROTOCOL NETWORK SISTEM AND METHOD FOR ROUTE OPTIMIZATION IN A WIRELESS INTERNET PROTOCOL NETWORK
10159RR	FR	4075527.4		Granted	24-Jan-00	18-Jun-08 10159RRFR10V	SYSTEM AND METHOD FOR ROUTE OPTIMIZATION IN A WIRELESS INTERNET PROTOCOL NETWORK
10159RR	DE	300510.5	60021448.6	Granted		27-Jul-05 10159RRDE06E	SISTEM AND METHOD FOR ROUTE OFFINACATION IN A MIRELESS INTERNET PROTOCOL NETWORK
10159RR 10225RR	GB GB	4075527.4 650077.1	60039261.9 1 071 267	Granted Granted		18-Jun-08 10159RRDE09V 17-Jan-07 10225RRGE06E	SISTEM AND METHOD FOR ROUTE OPTIMIZATION IN A WIRELESS INTERNET PROTOCOL NETWORK METHOD AND APPARATUS FOR AUTOMATIC TRANSFER OF A CALL IN A COMMUNICATIONS SYSTEM IN RESPONSE TO CHANGES IN QUALITY OF SERVICE
10225RR	FR	650077.1	1 071 267	Granted	5-Jul-00	17-lan-07 10225RFFR05E	METHOD AND APPARATUS FOR AUTOMATIC TRANSFER OF A CALL BI A COMMUNICATIONS SYSTEM IN RESPONSE TO CHANGES BY QUALITY OF SERVICE
10225RR	DE	650077.1 650075.5	60032975.5	Granted	5-Jul-00 5-Jul-00	17-Jan-07 10225RRDE04E 2-Jun-10 102475RGB06E	METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COMMUNICATIONS SYSTEM IN RESPONSE TO CHANGES BY QUALITY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COMMUNICATIONS SYSTEM IN RESPONSE TO CHANGES BY QUALITY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COMMUNICATIONS SYSTEM IN RESPONSE TO CHANGES BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COMMUNICATION SYSTEM IN RESPONSE TO CHANGES BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COMMUNICATION SYSTEM IN RESPONSE TO CHANGES BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COMMUNICATION SYSTEM IN RESPONSE TO CHANGES BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COMMUNICATION SYSTEM IN RESPONSE TO CHANGES BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COMMUNICATION SYSTEM IN RESPONSE TO CHANGES BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF A CALL BY A COUNTY OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF SERVICE METHOD AND APPARATUS FOR AUTOMATIC TRAINSEE OF SERVICE METHOD APPARATUS FOR AUTOMATIC TR
102475R 102475R	FR FR	650075.5	1 071 246 1 071 246	Granted Granted	5-Jul-00	2-Jun-10 10247SRGB06E 2-Jun-10 10247SRFR05E	METHOD AND APPARATUS FOR YOLG OHER INTERNET PROTOCOL SHAPPING IN A COMMUNICATIONS SYSTEM METHOD AND APPARATUS FOR YOLG OHER INTERNET PROTOCOL SHAPPING IN A COMMUNICATIONS SYSTEM
102475R	DE	650075.5	60044479.1	Granted	5-Jul-00	2-Jun-10 10247SRDE04E	METHOD AND APPARATUS FOR VOICE OVER INTERNET PROTOCOL SWAPPING IN A COMMUNICATIONS SYSTEM
102475R 10314RO	CA ED	2,312,075 10181519.5	2,312,079 HEAUDTY	Granted Filed	20-Jun-00 27-Sep-00 #EI	4-Jun-13 102475RCA03U MPTY 10314R0EP04V	
10314RO	EP		#EMPTY	Filed		MPTY 10314ROEP03E	
10346RO	JP	2000-071518	4355422	Granted	_	7-Aug-09 10345ROIP04U	
10346RO 10346RO	GB ER	302012 302012	1 045 553 1 045 553	Granted Granted	-	11-Jan-06 10345ROGB07E 11-Jan-06 10345ROFR06E	
10346RO	DE	302012	60025437.2		_	11-Jan-06 10345RODE08E	
10346RO	CA	2,296,646	2,296,646			5-Aug-08 10346ROCA02U	
10348RO 10348RO	GB FR	304458.3 304458.3	1 056 244 1 056 244	Granted Granted		12-Dec-07 10348ROGB066 12-Dec-07 10348ROFR06E	
10348RO	DE	304458.3	60037361.4	Granted		12-Dec-07 10348RODE04E	
10348RO	CA	2,299,127	2,299,127	Granted	22-Feb-00	4-Sep-07 10348ROCA02U	METHOD AND APPARATUS FOR MEDIA ACCESS CONTROL FOR PACKET TRANSMISSION OVER A BLIFFER INSERTION RING
10361RO 10361RO	JP GR	2000-197989 305524.1	4605859 1 065 833	Granted Granted		15-Oct-10 10361ROIP04U 7-May-08 10361ROGB078	
10361RO	FR	305524.1		Granted	_	7-May-08 10361R0FR06E	METHOD AND APPARATUS FOR MANAGING COMMUNICATIONS BETWEEN NODES IN A BI-DISECTIONAL RING NETWORK.
10361RO	DE	305524.1	60038762.3		30-Jun-00	7-May-08 10361R00E05E	
10361RO 10367RO	CA GR	2,309,527 650141.5		Granted Granted		21-Sep-10 10361ROCA02U 3-Nov-10 10367ROGB06E	
10367RO	GB	650141.5 650141.5	1 113 657	Granted	-	3-Nov-10 1036/ROGB058	
10367RO	FR	650141.5	1 113 657	Granted	2-0ct-00	3-Nov-10 10367ROFR05E	APPARATUS AND METHOD FOR PACKET-BASED MEDIA COMMUNICATIONS
10367RO 10367RO	FR DE	650141.5 650141.5	1 113 657 1 113 657	Granted Granted	_	3-Nov-10 10367ROFR05E 3-Nov-10 10367R0DE04E	
10367RO	DE	650141.5		Granted		3-Nov-10 10367RODE04E	
10391RO	JP	2000-223508	4380895	Granted	25-Jul-00	2-Oct-09 10391R0JP04U	OPTICAL SMITCH AND PROTOCOLS FOR USE THEREWITH
10391RO	EP rn		#EMPTY	Filed	28-Jul-00 #EI		
10391RO 10391RO	EP	10184439.7 10184456.1	#EMPTY #EMPTY	Filed Filed		MPTY 10391R0EP05% MPTY 10391R0EP07%	
10391RO	CA	2,314,322	2,314,322	Granted		30-Jan-07 10391ROCA02U	
10452ID		2001-510206		Granted		10-Aug-12 10452IDJP07N	
10452ID 10452ID	GB GB	2010-118653 940635.6	1 201 067	Granted Granted		5-Apr-13 104521DJP11V 19-Sep-07 104521DGB10T	
10452ID	FR	940635.6	1 201 067	Granted	27-Jun-00	19-Sep-07 10452IDFR09T	PROCESSING DATA PACKETS
10452ID	DE	940635.6				19-Sep-07 10452IDDE08T	
10452ID 10499RO	CA	2,353,250	ZL 00810016.0 2,353,250	Granted Granted	_	29-Jun-05 10452IDCN04N 11-Jan-11 10499ROCA02U	
10628RO	GB	650157.1		Granted		22-Nov-06 10628ROGB058	CALL FEATURES FOR AUTOMATIC CALL DISTRIBUTION SYSTEM
	FR	650157.1		Granted		22-Nov-06 10628ROFR06E	
10628RO 10628RO	CA	650157.1 2,322,964	2,322,964	Granted Granted		22-Nov-06 10628RODE04E 10-Oct-09 10628ROCA02U	
10628RO	CA	2,689,783	2,689,783		10-0ct-00	8-Jul-14 10628ROCA09V	
10642HU	FI	990027		Granted Filed	8-Jan-99	30-Jul-04 10642HUFI01U	
10642HU 10642HU	CA	99200526.4 2,293,971	7,293,971			MPTY 10642HUEP03U 12-Jul-10 10642HUCA04U	
10642HU	AU	764695	#EMPTY	Filed	4-Jan-00 #EI	MPTY 10542HUAU05	U STERRING OF INTERNET ACCESS TO SPONSORS
10645HU		2012-181849	#EMPTY E119069	Filed		MPTY 10645HUJP17V	
10645HU 10645HU	nr HK	2000-585778 2101530.3	5113963 HK1039990	Granted Granted		19-Oct-12 10645HUJP05N 25-Oct-13 10645HUHK09I	
10645HU	GB	10173618.9	2 252 019	Granted	1-Dec-99	9-Jul-14 10645HUGE204	PROVIDING DESIRED SERVICE POLICIES TO SUBSCRIBERS ACCESSING INTERNET
10645HU	GB	99964015.4		Granted	1-Dec-99 1-Dec-99	6-Oct-10 10645HUGB16I	
10645HU 10645HU	FR FR	10173618.9 99964015.4		Granted Granted	1-Dec-99 1-Dec-99	9-Jul-14 10645HUFR19V 6-Oct-10 10645HUFR15E	
10645HU	EP	10183457	#EMPTY	Filed	1-Dec-99 #El	MPTY 10545HUEP13V	PROVIDING DESIRED SERVICE POLUCIES TO SUBSCRIBERS ACCESSING INTERNET
10645HU	EP ne	10173618.9	2 252 019	Inactive	1-Dec-99	9-Jul-14 10645HUEP12V	
10645HU 10645HU	DE	10173618.5 69942830.0-08	2 252 019 1 068 574	Granted Granted	1-Dec-99 1-Dec-99	9-Jul-14 10645HUDE18 6-Oct-10 10645HUDE14	
10645HU	CN	99802646.8	ZL99802646.8	Granted	1-Dec-99	2-Jan-13 10645HUCN08	N PROVIDING DESIRED SERVICE POLICIES TO SUBSCRIBERS ACCESSING INTERNET
10645HU	CA	2,317,460	2,317,460	Granted	1-Dec-99	8-Jul-08 10645HUCA03I	
10645HU 10722RO	rti CA	20340/00 2,283,953	774402 2,283,953				N PROVIDING DESIRED SERVICE POLICIES TO SUBSCRIBERS ACCESSING INTERNET COMPACT HIGH-CUPACITS WITCH
10725RR	GB	991703	1 243 117	Granted	20-Dec-00	15-Jun-05 10725RRGB06E	DISTRIBUTION OF LOCATION INFORMATION IN IP NETWORKS BY INTELLIGENT ENDPOINTS
10725RR	FR		1 243 117	Granted			DISTRICTION OF ID-CATION IN ROMA-FROM IN IN PARTY PROPERTY INDEPENDENT OF THE PROPERTY OF THE
10725RR 10745RN	GB	991703 309347.3	60020879.6 1 096 769	Granted Granted			DISTRIBUTION OF LOCATION INFORMATION IN IP METHODRS BY INTELLIGENT ENDPOINTS METHODS AND SYSTEMS FOR BUILDING AND DISTRIBUTING A LIDIO PACKAGES
10745RN	FR	309347.3	1 096 769	Granted	24-0ct-00	26-Jul-06 10745RNFR05E	METHODS AND SYSTAMS FOR BUILDING AND DISTRIBUTING AUDIO PACKAGES
10745RN	DE	309347.3		Granted	_	26-Jul-06 10745RNDE04E	
10745RN 10802RO	CN CN	2,324,382 135673.5	2,324,382 ZL00135673.9	Granted Granted		24-Jan-12 10745RNCA02U 5-May-04 10802ROCN04U	
				Granted	22-Sep-00	6-Jun-07 10804ROGB068	TELECONMUNICATIONS SWITCHES AND METHODS FOR THEIR OPERATION
10904RO	GB GB	308324.3				6-Jun-07 10804R0FR05E	TELECOMMUNICATIONS SWITCHES AND METHODS FOR THEIR OPERATION
10804RO 10804RO	GB FR	306324.3	1 093 266	Granted	22-Sep-00		
10804RO 10804RO 10804RO	GB FR DE	308324.3 308324.3	60035091.6	Granted	22-Sep-00	6-Jun-07 10804R00E04E	TELECONMUNICATIONS SWITCHES AND METHODS FOR THEIR OPERATION
10804RO 10804RO	GB FR DE CA JP	306324.3	60035091.6		22-Sep-00	6-Jun-07 10804RODE04E 4-Dec-07 10804ROCA03U	TELECONMUNICATIONS SWITCHES AND METHODS FOR THEIR OPERATION
10804R0 10804R0 10804R0 10804R0 10808ID 10808ID	JP	308324.3 308324.3 2,314,625 2011-244462 2013-199877	60035091.6 2,314,625 #EMPTY #EMPTY	Granted Granted Filed Filed	22-Sep-00 27-Jul-00 27-Nov-00 #EI 26-Sep-13 #EI	6-Jun-07 10804R00E04E 4-Dec-07 10804R0CA03U MPTY 10808IDIP09V MPTY 10808IDIP10V	TELECOMMUNICATIONS SWITCHES AND METHODS FOR THEIR OPPRATION THE COMMUNICATIONS SWITCHES AND METHODS FOR THEIR OPPRATION PRESENCE MANAGEMENT SYSTEM PRESENCE MANAGEMENT SYSTEM
10804R0 10804R0 10804R0 10804R0 10808ID 10808ID 10808ID	JP	308324.3 308324.3 2,314,625 2011-244462 2013-199877 2001-546110	60035091.6 2,314,625 HEMPTY HEMPTY 5416877	Granted Granted Filed Filed Granted	22-Sep-00 27-Jul-00 27-Mor-00 #EI 26-Sep-13 #EI 27-Mor-00 2	6-Jun-07 10804R0DE04E 4-Dec-07 10804R0CA08U MPTY 10808IDIP09V MPTY 10808IDIP10V 22-Nov-13 10808IDIP05N	THE COMAINACATION SWITCHES AND INTERIOR SHE OPERATION THE COMAINACATION SWITCHES AND INTERIOR OPERATION SWITCHES A
10804R0 10804R0 10804R0 10804R0 10808ID 10808ID	JP	308324.3 308324.3 2,314,625 2011-244462 2013-199877	60035091.6 2,314,625 HEMPTY HEMPTY 5416877 2,394,344	Granted Granted Filed Filed	22-Sep-00 27-Jul-00 27-Nov-00 #EI 26-Sep-13 #EI 27-Nov-00 27-Nov-00	6-Jun-07 10804R00E04E 4-Dec-07 10804R0CA03U MPTY 10808IDIP09V MPTY 10808IDIP10V	THE COMMANDACIONS SWITCHES AND METHODS FAR THER OPPRATION PRESENCE AMMANDACINITY STATEM

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10810ID	FR		1 240 756	Granted	27-Nov-00		0810IDFR07T	ANDWINDITY IN A PRESENCE MANAGEMENT SYSTEM
10810ND 10810ND	DE CA	979753.1 2,393.571	60038460.8 2,393,571	Granted	27-Nov-00 27-Nov-00		0810IDDE06T 0810IDCA03N	ANDININATY IN A PRESIDENCE MANAGEMENT SISTEM ANDININATY IN A PRESIDENCE MANAGEMENT SISTEM
10811ID	JP	2001-546091	#EMPTY	Filed	27-Nov-00		0811IDJP05N	PRESENCE MANAGEMENT STEET MISSION CONTEXT REPORTATION
10811ID	JP	2014-096755	#EMPTY	Filed	27-Nov-00		0811IDJP06V	PRESENCE MANAGEMENT SYSTEM USING CONTEXT INFORMATION
10811ID 10818RO	CA CR	2,394,317 311229.9	2,394,317 1 109 154	Granted Granted	27-Nov-00 15-Dec-00			PRESENCE MANAGEMENT SYSTEM USING CONTEXT INFORMATION MAKE IN REPORTED A CONTEXT INFORMATION IN THE PROPERTY OF THE PROPERTY O
10818RO 10818RO	FR FR	311229.9	1 109 154	Granted	15-Dec-00			LIMEAR PRODUCTIVE COOMIG BASED ACQUISTIC ECHO CANCELLATION LIMEAR PRODUCTIVE COOMIG BASED ACQUISTIC ECHO CANCELLATION
10818RO	DE	311229.9	60021049.9		15-Dec-00		0818R00E04E	UNEAR PREDICTIVE CODING BASED ACCUSTIC ECHO CANCELLATION
10818RO	CA	2,328,006	2,328,006		12-Dec-00			UNEAR PREDICTIVE CODING BASED ACCUSTIC ECHO CANCELLATION
10849ID 10849ID	GB ER	951761.6 951761.6		Granted Granted	15-Aug-00 15-Aug-00		0849IDGB07E 0849IDFR06E	LIMETURE TELEPHONY PROVISION FOR YOUS OVER A DIGITAL SUBSCIREGE MINE LIMETURE TELEPHONY PROVISION FOR YOUS OVER A DIGITAL SUBSCIREGE MINE
10849ID	DE	951761.6	60020853.2		15-Aug-00	-	0849IDDE05E	Use Learning Control Teach Programmer Control
10849ID	CA	2,382,060	2,382,060		15-Aug-00		0849IDCAD3N	LIFELINE TELEPHONY PROVISION FOR VOICE OVER DISTRAL SLESCHEER UNE
10872ID 10872ID	GB re	305973 305973		Granted Granted	13-Jul-00 13-Jul-00		0872IIDGB06E 0872IIDFR05E	METHOD AND ARCHITECTURE TO 9 JAPPORT MULTIPLE SERVICES IN LABEL SWITCHED METHORISS METHOD AND ARCHITECTURE TO 9 JAPPORT MULTIPLE SERVICES IN LABEL SWITCHED METHORISS
10872ID	DE	305973	60037368.1		13-Jul-00		0872IDDE04E	INCERDIZATION PROMINENT AND ADVISORY ON TRANSPORT OF THE PROMINENT OF THE
10872ID	CA	2,313,904	2,313,904		14-Jul-00	7-Dec-10 1	0872IDCA02U	SUPPORTING MULTIPLE SERVICES IN LABEL SWITCHED NETWORKS
10883RN	GB co	311068.1		Granted	12-Dec-00		0683RNGB06E	METHODS AND SYSTEMS FOR INTERPRET PROTOCOL (JP) NETWORK SURVEILLANCE
10883RN 10883RN	DE .	311068.1 311068.1	1 111 892 1 111 892	Granted Granted	12-Dec-00 12-Dec-00	_	0883RMFR05E 0883RMDE04E	METHODS AND SYSTEMS FOR INTERNET PROTOCOL (IP) NETWORK SURRELLANCE METHODS AND SYSTEMS FOR INTERNET PROTOCOL (IP) NETWORK SURRELLANCE
10936ID	EP	306557.1		Filed			0936IDEP0GE	DERIVATION OF FOUNVAIENT BANDWIDTH OF AN INFORMATION FLOW
10944ID	П	310721.6	1 111 954	Granted	1-Dec-00		0944IDIT07E	DISTRIBUTED OPTICAL SWITCHING DEVICE
10944ID 10944ID	GB co	310721.6 310721.6	1 111 954	Granted Granted	1-Dec-00 1-Dec-00	6-0ct-10 1 6-0ct-10 1	0944IDGB06E 0944IDFR05E	DISTRIBUTED OPPICAL SWITCHING CRINCE DISTRIBUTED OPPICAL SWITCHING CRINCE
10944ID	DE	310721.6	60045065.1	Granted	1-Dec-00	6-Oct-10 1	0944IDDE04E	CONTROLLE OF FICH, SPITTARING CANA. CONTROLLE OF FICH, SPITTARING CANA. CONTROLLE OF FICH, SPITTARING CANA.
10944ID	CA	2,328,534	2,328,534		13-Dec-00	16-Feb-10 1	0944IDCA02U	DISTRIBUTED OPTICAL SWITCHING DEVICE
10958RO	GB rn	99974225.7 99974225.7	1 236 339	Granted	26-Nov-99	15-Aug-07 1	0958ROGB06T	SYSTEM AND METHOR FOR COMMUNICATION EDUTE TO A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION EDUCATION TO A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION ACTUAL AND ACTUAL ON COMMUNICATION OF A CALL DESTINATION OF A CALL
10958RO 10958RO	DE PK	99974225.7 99974225.7	1 236 339 69956885.5	Granted Granted	26-Nov-99 26-Nov-99	15-Aug-07 1 15-Aug-07 1	0958ROFROST 0958RODE04T	SYSTEM AND METRICO FOR COMMUNICATING DATA TO A CALL DESTINATION SYSTEM AND METRICO FOR COMMUNICATING DATA TO A CALL DESTINATION
10972ID	GB	308279.9	1 096 739	Granted	21-Sep-00	9-Jul-08 1	0972IDGB06E	TWO-WAY SESSION BOULAIDOR ON MESS RETWORKS
10972ID	FR	308279.9	1 096 739	Granted	21-Sep-00	9-Jul-08 1	0972IIDFR05E	TWO-WAY SESSION EMULATION ON MPIS NETWORKS
10972ID	DE C4	308279.9 2,321.505	60039398.4 2,321,505	Granted	21-Sep-00	9-Jul-08 1	0972IDDE04E	TWO-WAY SESSION BALLATION ON MIPS INTERVIEWS .
10972ID 11051R0	GB.	1980087.9		Granted Granted	29-Sep-00 25-Oct-01	25-May-10 1 2-Jan-08 1	0972IDCA02U 1051ROGB06T	ESTARLASHING BODIRECTIONAL COMMUNICATION SESSIONS ACROSS A COMMUNICATIONS RETWORK SERVICE EMARLING TECHNOLOGY
11051RO	FR	1980087.9		Granted	25-Oct-01		1051R0FR05T	SERVICE EMARILING TECHNOLOGY
11051RO	DE	1980087.9	60132232		25-Oct-01		1051R00E04T	SERVICE EMBRING TECHNOLOGY
11055RO 11055RO	GB ER	650Z13.2 650Z13.2		Granted Granted	21-Dec-00 21-Dec-00	_	1055ROGBDGE 1055ROFROGE	BICRIPTION KEY EICHWIGE PROTOCOL BICRIPTION KEY EICHWIGE PROTOCOL
11055RO	DE	650213.2	60037102.6		21-Dec-00	14-Nov-07 1	1055R0DE04E	LONGER TO MAKE LONGERSHAME PROTOCOL ECKEPTION RES FOR SHAME PROTOCOL ECKEPTION RES FOR SHAME PROTOCOL
11214RN	GB	981525.9	1 240 777	Granted	13-Dec-00	28-Mar-07 1	1214RNGB07T	A CLIENT - SERVER INTERVORK FOR MANAGINIS INTERNET PROTOCOL VOICE PACKETS
11214RN	FR	981525.9	1 240 777	Granted	13-Dec-00	28-Mar-07 1	1214RNFR06T	A CLENT - SERVER NETWORK FOR MANAGING INTERNET PROTOCOL VIOLE PRICETS A CLENT - SERVER NETWORK FOR MANAGING INTERNET PROTOCOL VIOLE PRICETS
11214RN 11214RN	CA	981525.9 2,394,008	60034145.3 2,394,008	Granted Granted	13-Dec-00 13-Dec-00	28-Mar-07 1 8-Feb-11 1	1214RNDE05T 1214RNCAGIN	A CLEAT - SEMEN RELYMONE FOR MANAGAING INTERNET PROTOCOL VOICE PROJECTS A CLEAT - SEMEN RELYMONE FOR MANAGAING INTERNET PROTOCOL VOICE PROJECTS
11306RO	GB	308770.7	1 091 614	Granted	5-0ct-00	15-Dec-04 1	1306ROGB06E	SANTEH OR OFFICE SIGNALS
11306RO	FR	308770.7	1 091 614	Granted	5-0ct-00		1306ROFROBE	SWITCH FOR OPTICAL SIGNALS
11306RO 11306RO	CA CA	60016688 2,285,128	1 091 614 2,285,128	Granted Granted	5-0ct-00 6-0ct-99		1306RODE07E 1306ROCA01U	SANTOL FOR OPPICAL SIGNALS SANTOL FOR OPPICAL SIGNALS
11306RO	CA	2,320,613	2,320,613		21-Sep-00		1306ROCA04U	SINTER FOR POPULATION ASSESSMENT
11357RR	EP	650156.3	HEMPTY	Filed	16-0ct-00	HEMPTY 1	1357RREP02E	STORING INFORMATION AGOUT A TELEPHONY SESSION
11357RR 11413FR	CA CR	2,323,395 973170.4	2,323,395 1 330 897	Granted Granted	16-0rt-00 25-0rt-00		1357RRCAGGU 1413FRGBOST	STORMIG INFORMATION ABOUT A TELEPHONY SESSION METHOD OF AND DEVICE FOR TRANSMITTING DATA PACKETS ON A METHORIX
11413FR	FR	973170.4		Granted	25-0ct-00		1413FRFR06T	INSERTION PRINCE PRINCE FOR THE PRINCE STAN PRINCE STA
11413FR	DE	973170.4	60024686.8	Granted	25-0ct-00	7-Dec-05 1	1413FRDE04T	METHOD OF AND DEVICE FOR TRAISMITTING DATA PACKETS ON A METHODIK
11432RR	GB	985726.9	1 240 765	Granted	8-Dec-00	30-Nov-05 1	1432RRGB06E	DTMF DIGIT COLLECTION AND TRANSPORTATION FOR A PACKET INTERVOKE
11432RR 11432RR	DE .	985726.9 60024488.1	1 240 765 1 240 765	Granted Granted	8-Dec-00 8-Dec-00	30-Nov-05 1 30-Nov-05 1	1432RRFROSE 1432RRDEO4E	DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION AND TRANSPORTATION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION FOR A PRICET INSTRUMENT DTINF DTINF DIGIT COLLECTION FOR A PRICET INSTRUMENT DTINF DIGIT COLLECTION FOR A PRICET PRICET FOR A PRICET PRICET FOR A PRICET PRICET PRICET
11437RR	GB	1924623		Granted	3-Apr-01	23-Aug-06 1	1437RRGB06E	UNIT UNIT VALLECTION FROM PROPERTY RECOGNISTS TO STATE AT EACH OF THE CALL SESSIONS PROVIDING AND ADMINISTRATION PROCESS TO STATE AT EACH OF THE CALL SESSIONS PROVIDING AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDING AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDING AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDING AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDING AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDED AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDED AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDED AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDED AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDED AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDED AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDED AND ADMINISTRATION PROCESS TO TO STATE ALL BUSIN PROPERTY CALL SESSIONS PROVIDED AND ADMINISTRATION PROPERTY CALL SESSIONS PROVIDED AND
11437RR	FR	1924623	1 275 239	Granted	3-Apr-01	23-Aug-06 1	1437RRFR05E	PROVIDING ANNOUNCEMENT INFORMATION REQUESTS TO ESTABLISH INTERACTIVE CALL SESSIONS
11437RR 11471RN	DE	1924623 Esmilis mombos of 192602	60122487.6	Granted Assigned Rou	3-Apr-01	23-Aug-06 1	1437RRDE04E	PROVIDING ANNOUNCEMENT INFORMATION REQUESTS TO STARBURH INTERACTIVE CALL SESSIONS Underlyind and strength enablement of the control strength and the control of the control strength and the control of the control strength and the control of the strength and the strength a
11471KN 11790ID	GB	Family member of 09/68 983415.1		Assigned Nou Granted	19-Dec-00	17-Nov-04 1	1790IDGB06T	Method and system for providing enhanced caller identification IMPROVED SESSION INTRATION PROTOCOL (SIP)
11790ID	FR	983415.1	1 247 387	Granted	19-Dec-00	17-Nov-04 1	1790IDFROST	IMPROVED SESSION INITIATION PROTOCOL (SIP)
11790ID	DE	983415.1	60016037.8		19-Dec-00		1790IDDE07T	IMPROVED SESSION INITIATION PROTOCOL (SIP)
11790ID 11794RO	LA IP	2,395,574 2001-133850	2,395,574 4673994	Granted Granted	19-Dec-00 1-May-01		1790IDCADAN 1794ROIPOAL	IMPROVED SESSION INTERTION PROTOCOL (SIP) SUPERNISONY CONTROL PLANE OVER HAVELENGTH ROUTED NETWORKS
11794RO	GB	1303748.6		Granted	25-Apr-01			SYTEMATION CONTINUE FORCE OF THE WHITELESS IN PROJECT BY THE STATE OF
11794RO	FR	1308748.6	1 152 631	Granted	25-Apr-01	15-Aug-07 1	1794ROFROGE	SUPERVISORY CONTROL PLANE OVER WARVELENETH ROUTED INTERVIEWS
11794RO 11794RO	DE CA	1303748.6 2,343,576	60129879.9 2,343,576		25-Apr-01		1794RODE05E	SUPERINGON CONTROL PLANE ON HE WANTERSHIP HOUSE OF THE PROPERTY OF THE PROPERT
11794RU 11795RR	GB GB	2,543,576 650159.7	2,343,576 1 102 498	Granted Granted	9-Apr-01 16-Oct-00		1794ROCAUZU 1795RRGB07E	SUPERVISORY CONTROL PLANE OVER WANGLESIGH ROUTED NETWORKS PROVIDING TELEPHONY SERVICES IN A COMMUNICATIONS METWORK
11795RR	FR	650159.7	1 102 498	Granted	16-0ct-00	25-Feb-04 1	1795RRFR06E	PROVIDING TELEPHONY SERVICES IN A COMMUNICATION'S NETWORK
11795RR	DE	650159.7	60008483.3		16-0ct-00		1795RRDEOSE	PROVIDING TILEPHONY SERVICES IN A COMMUNICATIONS NETWORK
11795RR 11876RO	CA GB	2,323,326 1305953	2,323,326 1 173 039	Granted Granted	16-0ct-00 10-Jul-01		1795RRCAGGU 1876ROGBD7T	PROVIDING TELEPHONY SERVICES IN A COMMUNICATIONS NETWORK ATM TRANSPORT OVER MULTI-PROTOCOL LAREE SHITOHING
11876RO	FR		1 173 039	Granted	10-Jul-01		1876ROFROST	I SIAN TRANSPORT OF THE NUMBER OF THE STATE
11876RO	DE	1305953	60127496.2	Granted	10-Jul-01		1875RODE05T	ATM TRAKSPORT OVER MULTI-PROTOCOL LAEEL SWITCHING
11930RO	GB co		2 366 105	Granted	7-Mar-01		1930ROGB03U	BRIEGARIE PROTONIC SWITCH ANALIH AT THE BRITONIC SKITCH SHATCH S
11930RO 11930RO	CA.	01 03653 2,300,780	2 806 558 2,300,780	Granted Granted	13-Mar-01 15-Mar-00	28-Jul-06 1 7-Aug-07 1	1930ROFR04U 1930ROCA01U	COMMUTATEUR PHOTOMOLE INTEGRATED PHOTOMIC SWITCH INTEGRATED PHOTOMIC SWITCH
11966RO	GB	1304669.3		Granted	25-May-01	21-Jun-06 1	1966ROGB07E	OFFICE STICK VERIFICATION
12054DM	GB	1937747.2		Granted	25-May-01		2054DMGB06T	LAUNCHING SOFTWARE ROUTINES IN RESPONSE TO MESSAGES RELATING TO COMMUNICATIONS SESSIONS
12054DM 12054DM	FR DE	1937747.2 60144475.2-08	1 287 656 1 287 656	Granted Granted	25-May-01 25-May-01		2054DMFR05T 2054DMDF04T	LALINCHING SCFTWARE ROUTINES IN RESPONSE TO MESSAGES RELATING TO COMMUNICATIONS SESSIONS LALINCHING SCFTWARE ROUTINES IN RESPONSE TO MESSAGES RELATING TO COMMUNICATIONS SESSIONS
12054UM 12078BA	GB	1991526.3	1 346 526	Granted	21-Dec-01		2078BAGB05T	LOUGHDING SET FIFTHER RECOURDS SHE PROVIDED LED MESSARIES TO COMPARISHEN SET STATEMENT
12078BA	FR	1991526.3	1 346 526	Granted	21-Dec-01	3-May-06 1	2078BAFR06T	SYSTEM AND METHOD TO EFFICIENTLY MOVE DATAQ FROM ONE DATA BUS TO ANOTHER DATA BUS IN A NETWORK SWITCH
12078BA 12078BA	DE	1991526.3 2,432,600	1 346 526 2,432,600	Granted Granted	21-Dec-01 21-Dec-01		2078BADE07T 2078BACA03N	SISTEM AND METHOD TO BEFOLENTLY MOVE DATAQ FROM ONE DATAQ DE TO ANOTHER DATA BUS IN A NETHODR SHITCH SISTEM AND METHOD TO BEFOLENTLY MOVE DATAQ FROM ONE DATA BUS TO ANOTHER DATA BUS IN A NETHODR SHITCH
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1.00	12245ID		1003572 23	694 Granted	6-Apr-01	8-May-06-12245	MATIQUI METHOD OF INCREASING CAPACITY IN A FIXED WIRELESS ACCESS COMMUNICATIONS NETWORK
10. 10.		CL					
100 2		DE					
Dec Color	12481RO	GB	1310660.4 1 217 804				GEBORU INTERNORRING OF DISSINILAR PACKET NETWORKS FOR TELEPHONY COMMUNICATIONS
Dec		FR					
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1925 10 1935	12481RO	CA	2,364,979 2,364				
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Dec 100 Dec		FR	10181224.6 2 290 999		25-May-01		
1965 1965 1965 1970	12631ID	EP	10181215.4 #EMPTY		25-May-01		EP11V MULTIPLE ACCESS SYSTEM FOR COMMUNICATIONS NETWORK
10 1		EP FP					
Section Sect		DE					
1985 1987	12631ID	DE	60148655.2 2 026 508	Granted	25-May-01	12-Mar-14 12631	DBLTY MULTIPLE ACCESS SYSTEM FOR COMMUNICATIONS NETWORK
1985 1985 1995		CA In					
1970 1		GB GB					
1985 1985 1986		FR					OFRIGE NETWORK DRIVEN CELL SWITCHING AND HANDOFF WITH LOAD BALANOING FOR WIRELESS SYSTEMS
1985 1985 1971 1985 1972 1985		DE					
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1982 1985		DE CA					
1985 1986	13091ID	GB	1980657.9 1 334 599	_		3 Jun 09 13091	METHOD FOR PASSING INFORMATION FROM A FIRST WEB-INITITY TO ONE OF A PULNAUTY OF SECOND WEB-INITITIES
		FR					
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1932/06 P		EP					
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1987 1987							
194786 E	13487RR	GB	2760512 1 442 624			7-Apr-10 13487	METHOD AND APPARATUS FOR DIFFERNITIATED COMMUNICATIONS IN A WIRELESS NETWORK
		FR					
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155800 C	13543RO	GB					OGBOST SYSTEM AND METHOD FOR INTECTPTING TELECOMMUNICATIONS
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198380 198304 199307 1		CA					CADZU PROVISION OF MEDIA CONTENT TO TELEPHONY CALLERS ON-HOLD
25/38/0 DE 1983/4/3 60/25/76 diamed 13-0e-01 27-0e-06 35/38/00000E MULTIVER DETICTOR FOR DIFFCT SCURRAT - CODE DINSON MULTIPLE ACCESS DS/CDMAI CHAMBLES	13633RO	GB.	1983340.9 1 329 032	Granted	19-Oct-01	27-Det-06 13633	OGBORE INJUITIUSER DETECTOR FOR DIRECT SEQUENCE - CODE DIVISION INJUTIFIE ACCESS (DS/CDMA) CHANNELS
197880 8 255475. 127477 Sented 5-84-02 Anti-set 1978900045 SITURE ON MARKE 4400 LETWORK		FR DE					
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238000 SB		DE CA					
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1985 1985		4141			2-Apr-02	_	14416IDCAD4N	TIME SLOT SCHEDULING FOR SHARED-NEDIUM COMMUNICATIONS NETWORK.
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1985 1985 1986	14559RO FR	2775030.6	1 446 924	Granted		30-Aug-06	14559ROFR06T	SCHEDULER WITH FARMESS CONTROL AND QUALITY OF SERVICE SUPPORT
1955 19								
Process Proc								
1985 1985 1985 1986								
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1995 No. 194555 (195955) Sept. 1945 Sept. 19455 (1945)				_		_		
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1988 R	14746RO GB			Granted				USING MPES L975 AS 12TP TUMBEL TRANSPORTS
1985 N. 1995 N. 1995 STOC Server				_		_		
1985 No. 139384 131938				_		_		
1985 1985								TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A SIGNAL ROUTING DEVICE
1977 1978								
	14910FR GB	2258309	1 318 648			8-Feb-06	14910FRGB07E	FAST RECOVERY INTETHOD IN LABEL SWITCHING INCTIVORKS, AND INCTIVORKS, AND INCOVERY OUT THE INCTIVOR
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1998 1998								
	14918RO HK	4106731.7	HK1064253	Granted	20-Mar-03	12-Jun-09	14918ROHK07U	TECHNIQUE FOR REDUCING THE NUMBER OF LAYESS IN A MULTILAYER/DRUIT BOARD
				_				
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	15112ID EP	3255144.2	#EMPTY	Filed	20-Aug-03	#EMPTY	15112IDEP03E	ROUTING METHOD AND APPARATUS FOR OPTINISING AUTO-TUNNELIUNG IN A HETEROGENEOUS NETWORK
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\$2.5800 \$A \$2.55.42 \$2.55.42 \$6.6666 \$2.46669 \$2.56661 \$2.58660 \$8.5865 \$1.0000 \$8.5665 \$1.0000 \$8.5665 \$1.0000 \$8.5665 \$1.0000 \$8.5665 \$1.0000 \$8.5665 \$1.0000 \$8.5665 \$1.0000 \$8.5665 \$1.0000 \$8.5665 \$1.0000 \$8.5665 \$1.0000 \$1.0								
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		3257957.5	HEMPTY	Filed			15209RMEP02U	DISTRIBUTED SERVICES BASED ON PRESENCE TECHNOLOGY
S2250/R (R 10-2007-700/A/S S08M Granted 2-5ap-59 2-54ug-66 IS2580/RR69N MICHONACOMINED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSONNAL RELIMINE HINGSS								
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15236X	R JP	981111114	2000-568104	4776779	Granted	2-Sep-99	8-Jul-11	15236XRIP05N	MICROMAGNICO DEMECES COUNTED FOR ELETINE BY TORSOWAL RELIAN BINDS
15236X	_	$\overline{}$	2010-267138	HEMPTY	Filed		#EMPTY	15236XRJP07V	MICROMACHINED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSIONAL FLEXURE HINGES
15236X			2013-008267	#EMPTY	Filed		HEMPTY	15235XRJP09V	MICROMACHINED MEMBERS COUPLED FOR RELATINE ROTATION BY TORSIONAL REXURE HINGES
15333R		3	3252289.8		Granted	10-Apr-03	27-Jun-12		INST OFFICIAL SWITCH
15333R 15333R			3252289.8 3252289.8		Granted Inactive	10-Apr-03			FAST OPPICAL SMITCH
15333R			3252289.8		Granted	10-Apr-03 10-Apr-03			PASS OFFICALS WHICH
15352IE		3	3016018.8		Granted	15-Jul-03		15352IDGB06E	METHODS FOR DISCOVERING RETWORK ADDRESS AND PORT TRANSLATORS
15352IE	D FR		3016018.8	1 404 082	Granted	15-Jul-03	17-0ct-12	15352IDFR05E	METHODS FOR DISCOVERING NETWORK ADDRESS AND PORT TRANSLATORS
15352IE	_		3016018.8		Inactive	15-Jul-03	_	15352IDEP08E	METHODS FOR DISCOVERING NETWORK ADDRESS AND PORT TRANSLATORS
15352IE			3016018.8		Granted	15-Jul-03	17-0ct-12		METHODS FOR DISCOVERING NETWORK ADDRESS AND PORT TRANSLATORS
15352NE 15407R			2,435,699 10-2004-7019256	2,435,699 10-0997654	Granted	21-Jul-03	18-Sep-12 25-Nov-10		METHOD FOR DISCOVERING RETWORK ADDRESS AND PORT TRANSLATORS VERTICAL PROPERTY MANAGES CHARGE CONTRACT AND PORT TRANSLATORS VERTICAL PROPERTY MANAGES C
15407R	_		3715200.6		Granted Granted	23-Apr-03 23-Apr-03	25-Nov-10 25-Dec-13	15407ROGB10T	EEFICENT HANDOFFS EETNEEN CELLULAR AND WIRELES LOCAL AREA NETWORKS EEFICENT HANDOFFS EETNEEN CELLULAR AND WIRELES LOCAL AREA NETWORKS
15407R	-		3715200.6	1 512 248	Granted	23-Apr-03	25-Dec-13		CONTRACT INTERPORTED AND CALCULATION AND OWNERLESS LOCAL AREA RETWORKS FINISHED THAN DOOR SET STEVER CELLULATION AND OWNERLESS LOCAL AREA RETWORKS FINISH THAN DOOR SET STATEMENT CELLULATION AND OWNERLESS LOCAL AREA RETWORKS FINISH THAN DOOR SET STATEMENT CELLULATION AND OWNERLESS LOCAL AREA RETWORKS FINISH THAN DOOR SET STATEMENT CELLULATION AND OWNERLESS LOCAL AREA RETWORKS
15407R			11153115.8		Filed		#EMPTY	15407ROEP07V	EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA RETWORKS
15407R	10 EP		11153115.8	#EMPTY	Filed		#EMPTY	15407ROEP07V	EFFICIENT HANDOFFS BETWEEN CELLULIAR AND WIRELESS LOCAL AREA NETWORKS
15407R			3715200.6		Inactive	23-Apr-03	25-Dec-13		EFFICIENT HANDOIFFS BETIVEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
15407R			3715200.6	1512248	Granted	23-Apr-03	25-Dec-13		EFFICIAN HANDOPS ETTMEN CILLULAR AND WIREES LOCAL AREA NETWORKS
15407R 15514R			3812147.6	ZL03812147.6 HEALDTV	Granted Filed	23-Apr-03 17-Jul-03	5-Sep-07 HERADIV	15407ROCNOSN 15514ROCNOSN	EPRICENT HANDOPFS ERTINEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS HERARCHICAL OPTICAL VIPIS (INVENTION A CARREES CARREE VIPI ENVIRONMENT
15514R			201210223827.X	#EMPTY	Filed	17-Jul-03		15514ROCN07V	INTERNALIZATION AND TO A CONTROL OF THE ENVIRONMENT
15580R	-	3	3793551.7	1 540 893	Granted	9-Sep-03	19-Dec-07	15580ROGB07T	NETWORK AND METHOD FOR PROJUING SWITCHED VIRTUAL CIRCUIT LAYER-2 VIRTUAL PRIVATENETWORKS
15580R			3793551.7	1 540 893	Granted	9-Sep-03	19-Dec-07	15580ROFR06T	NETWORK AND METHOD FOR PROVIDING SWITCHED VIRTUAL CIRCUIT LAYER-2 VIRTUAL PRIVATENETWORKS
15580R			3793551.7	60318222.4		9-Sep-03	19-Dec-07		NETWORK AND METHOD FOR PROVIDING SWITCHED VIRTUAL CIRCUIT LAVER-2 VIRTUAL PRIVATENETWORKS
15581R			3747758.5	1 540 892	Granted	9-Sep-03	19-Dec-07	15581ROGB07T	NETWORK AND VEHICLD FOR PROVIDING SWITCHED VEHICLA CIRCUIT LAVER-2 VIRTUAL PRIVATE PERMATERIA PROVIDES
15581R 15581R		-	3747758.5 3747758.5	1 540 892 60318221.6	Granted Granted	9-Sep-03	19-Dec-07	15581ROFR06T	NETWORK AND METHOD FOR PROMIDING SWITCHED VIRTUAL CRICUIT LAYER-2 VIRTUAL PRIVATENETWORKS NETWORK AND METHOD FOR PROMIDING SWITCHED VIRTUAL CRICUIT LAYER-2 VIRTUAL PRIVATENETWORKS
15623R		: 	3750189.7	1 550 270	Granted	9-Sep-03 9-Sep-03	19-Dec-07 25-Apr-07	15581RODE05T 15623ROGB07T	NET TOTAL AND THE HOLD PART PROVIDED SWITCHED WINDOWS CONCURS LAWS A CONCURS CONTROL OF THE CONTR
15623R			3750189.7	1 550 270	Granted	9-Sep-03	25-Apr-07	15623ROFR06T	CANDAGE OF THE STATE OF THE STA
15623R			3750189.7	60313480.7	Granted	9-Sep-03	25-Apr-07	15623RODE05T	GENERALIZED LATER 2 VPRS
15665R			3798839.1	1 593 287	Granted	30-May-03	31-0ct-12	15665ROGB06T	APPARATUS, METHOD AND PROGRAM FOR NETWORK TOPOLOGY DISCOVERY UTILIZING DATA LINK LAYER SERVICES
15665R		\Box	3798839.1	1 593 287	Granted	30-May-03	31-0ct-12		APPARATUS, METHOD AND PROGRAM FOR NETWORK TOPOLOGY DISCOVERY UTILIZING DATA LINK LAVER SERVICES
15665R			3798839.1 3798839.1	1 593 287	Inactive	30-May-03	31-0ct-12		APPARATUS, METHOD AND PROGRAM FOR INTURKS FOR COST DISCOVERY UTILIZING DATA LIMA LAYER SERVICES APPARATUS, METHOD AND PROGRAM FOR INTURKS FOR COST OF THE LAYER SERVICES APPARATUS, APPARATUS, APPARATUS APPARATUS FOR COST OF THE LAYER SERVICES APPARATUS, APPARATUS APPARATUS FOR COST OF THE LAYER SERVICES APPARATUS, APPARATUS APPARATUS FOR COST OF THE LAYER SERVICES APPARATUS, APPARATUS APPARATUS FOR COST OF THE LAYER SERVICES APPARATUS APPARATUS APPARATUS FOR COST OF THE LAYER SERVICES
15665R 15725R			2004-7010573	1 593 287 HEMPTY	Granted Filed	30-May-03 20-Nov-03	31-Oct-12 #EMPTY	15665RODEO4T 15725ROKROBN	APPARATUS, METHOD MID PROGRAM FOR NETWORK TORCLOGY DISCOVERY UTILIZING DATA LINK LIKES SERVICS TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
15725R			2004-553966	5180425		20-Nov-03	18-Jan-13		TECHNICAL FOR PROCESSION OF THE PROCESSION OF TH
15725R			10109612.7		Filed	11-0ct-10	#EMPTY	15725ROHK12V	TECHNIQUE FOR ACCOMMICOATING ELECTRONIC COMPONENTS ON A MULTILIAYER SIGNAL ROUTING DEVICE
15725R	10 GB	3	3789847.5	1 461 985	Granted	20-Nov-03	22-0ct-14	15725ROGB16T	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
15725R			3789847.5	1 461 985	Granted	20-Nov-03	22-0ct-14	15725ROFR15T	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
15725R			3789847.5	1 461 985	Inactive	20-Nov-03	22-0ct-14	15725ROEP05T	TECHNIQUE FOR ACCOMMICONTING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
15725R 15725R			3789847.5 200380100137.4	1 461 985 Z1200380100137	Granted Granted	204Nov-03 204Nov-03	22-0ct-14 6-Jan-10	15725R00E14T 15725R0CN06N	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
15725R			200300100137.4	200910225601.1	Granted	20-Nov-03	25-Jan-12	15725ROCN11V	TECHNICATE FOR PROCEEDING CONFERENCE CONFERENCE OF A PROCEEDING CONFERENCE OF THE PROCEEDING CONFERENCE OF THE PROCEEDING CONFERENCE OF THE PROCEEDING CONFERENCE CONFERENCE OF THE PROCEEDING CONFERENCE OF THE PROCEDING CONFERENCE OF THE PROCEEDING CONFERENCE OF THE PROCECOUNT
15725R			2,472,336	2,472,336		20-Nov-03	23-Oct-12	15725ROCA04N	TECHNIQUE FOR ACCOMMICCATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING EPICE
15773D		3	4013351.4	1 484 892	Granted	7-Jun-04	6-Dec-06	15773DEGE05E	METHOD AND SYSTEM FOR LAWFUL INTERCEPTION OF PACKET SWITCHED INTERVIEWS
15773D			4013351.4	1 484 892	Granted	7-Jun-04	6-Dec-06	15773DEFR04E	METHOD AND SYSTEM FOR LAWFUL INTERCEPTION OF PACKET SWITCHED NETWORK SERVICES
15773D			4013351.4	602004003518.1	Granted	7-Jun-04	6-Dec-06		METHOD AND SISTEM FOR LAMPLI INTERCEPTION OF PACKET SWITCHED METWORK SERVICES
15793R 15793R		,	10-2004-0042805 5107343.4		Granted Filed	11-Jun-04 22-Aug-05	30-Aug-11	15793ROKR06U 15793ROHK08U	TECHNIQUE FOR INTERCONNECTION MULTILAYER CIRCUIT BOARDS TECHNIQUE FOR INTERCONNECTION MULTILAYER CIRCUIT BOARDS
15793R				ZL200410098170	Granted	22-Hug-03	21-Apr-10	_	Inclinate from interconnection medicates according towards Translate from the Conference of the Confe
15827FI			934,029		Granted	25-May-94	30-Sep-94		WISPRONES
15828FI			950.766	393481	Granted	8-Feb-95	31-Mar-95	15828FRFR02D	BORNE TELEPHONIQUE NURALE
15828F			950.766		Granted	8-Feb-95	31-Mar-95	15828FRFR03D	BORNE TELEPHONIQUE MURALE
15828F			950.766		Granted	8-Feb-95	31-Mar-95	15828FRFR04D	SORKETELEPHONOQUE MURALE
15828FI			950,766		Granted	8-Feb-95 29-Mar-96	31-Mar-95	15828FRFR01D 15829FRFR02D	BORNET TELEPHONOQUE MURALE APPAREUL COMBINET TELEPOPELUN (REPONDELUR TELEPHONOQUE - PF100R - STOWA 660
15829F			961917 961917		Granted Granted	29-Mar-96	23-Aug-96 23-Aug-96		PAYMENT COMMENT EXECUTE OUNTRY PROCESS OF THE PROPERTY OF THE PAYMENT OF THE PAYM
15829F			961917	437375	Granted	29-Mar-96	23-Aug-96	_	OF THE CONTROL SECURIOR OF THE CONTROL OF T
15829FI	R FR		961917		Granted	29-Mar-96	23-Aug-96	15829FRFR01D	APPASEIL COMBINE TELECOPPEUR/REPOINDEUR TELEPHONIQUE - PEIDRA - STORIA - 650
15863R			4250934.9		Granted	20-Feb-04	18-Jul-12		ORCULATING SWITCH
15863R			4250934.9		Granted	20-Feb-04	18-Jul-12		ORCULATING SWITCH
15963R 15963R		-	4250934.9 4250934.9		Filed Granted	20-Feb-04 20-Feb-04		15863R0EP04E	ORCUATING SWITCH ORCUATING SWITCH
15963R		1	2,457,971		Filed	20-Feb-04 18-Feb-04			UNICATIONS SWITCH
15963R			2,834,634		Filed	18-Nov-04			ORGANIZATION SWITCH
15963R			2,706,654			18-Feb-04			ORCULATING SWITCH
15923R	_		4726405.6		Filed	8-Apr-04		15923ROEP05T	
15923R	_	<u> </u>	12152120.7		Filed	8-Apr-04		15923ROEP06V	
15965R 15965R		, 	2004-100307 2,461,838	#EMPTY 2,461,838	Filed Granted	30-Mar-04 25-Mar-04		15965RNJPO4N 15965RNCAOBN	AUTO-COMPRESSION FOR MEDIA-OFER IP AUTO-COMPRESSION FOR MEDIA-OFER IP
15992R		;	4394038.6		Granted	23-Jun-04	15-Jan-14		SOUTH CONTROLLAND TO A CONTROL PROGRAM FOR SUPPORTING VIDEO CONFERENCING III A COMMUNICATION SYSTEM APPRABRIUS, MICHIGAN AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING III A COMMUNICATION SYSTEM
15992R			4394038.6		Granted	23-Jun-04	_	15992RRFR06E	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING IN A COMMUNICATION SYSTEM
15992R		┚	10178971.7		Filed	23-Jun-04		15992RREP04V	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING IN A COMMUNICATION SYSTEM
15992R			4394038.6		Inactive	23-Jun-04	15-Jan-14		APPARATUS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING IN A COMMUNICATION SYSTEM
15992R		-	4394038.6 4743823.9	602004044248.8 HEMIDTY		23-Jun-04	15-Jan-14 HENJOTY		APPASATIS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCIOS IN A COMMUNICATION SYSTEM OFFICIENT LETTER CHARGES EMPORTING CONJUNIARY ATTENDATION OF A CONFERENCIA CONTROL SYSTEM OFFICE AND A CONTROL CO
15996R 15996R		. +	4/43823.9 11189680.9		Filed Filed	29-Jun-04 29-Jun-04		15996RREP03T 15996RREP05V	DISTRIBUTED CALL SERVES SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD DISTRIBUTED CALL SERVES SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD
15996R		.	4743823.9		Filed	29-Jun-04		15995RREP05V	OSTRIBUTE OUR ACTION OF CONTINUE COMMUNICATION ASSOCIATION ACCOMMENDATION ASSETS AND RETROD OSTRIBUTE OUR ACTION OF CONTINUE COMMUNICATION ASSOCIATION ACCOMMENDED TO ACTION OF THE OFFICE OF THE OFFICE OUR ACCOUNT OF THE OFFICE OUR OFFICE OUR ACCOUNT OF THE OFFICE OUR OFFICE OUR OFFICE OUR OFFICE OUR OUR OFFICE OUR OFFICE OUR OUR OFFICE OUR
1602110			4077251.9		Filed	9-Aug-04	HEMPTY	16021IDEP03E	MANAGEMENT OF QUEUES IN CONTACT CENTRES
1602110			11192959.2	HEMPTY	Filed	9-Aug-04	#EMPTY	16021IDEP05V	MANAGEMENT OF QUEUES IN CONTACT CENTRES
1602110			11192974.1		Filed	9-Aug-04		16021IDEP06V	MANAGEMENT OF DIEUES IN CONTACT CIRTIES
16021IE 16141R			2,477,868 4769719.8			12-Aug-04	1-0ct-13	16021IDCA02U	MANAGEMENT OF OLEUES IN CONTACT CENTRES WILLIAM CENTRAL SEARCH OF OLEUES IN CONTACT CENTRES
				REMPTY	Filed	22-Oct-04	EEMPTY	16141ROEP03T	AULIDIPLE SERVICES WITH POLICY ENFORCEMENT OVER A COMMON NETWORK
	10 EP			HEMPTY	Filer	22,0es.04	BEMIPTY	161418/004044	MULTIPLE SERVICES WITH POLICY ENGOREMENT OVER A COMMON NETWORK
16141R 16141R 16192R	10 EP 10 CA		2,551,625 4743779.3		Filed Filed	22-Oct-04 18-Jun-04		16141ROCA04N 16192RREP05T	MULTIPLE SERVICES WITH POLICY ENFORCEMENT OVER A COMMON NETWORK CONVENIENCE OF CIRCUIT-SWITCHED VOICE AND PACIET-BASED MEDIA SERVICES
16141R	10 EP 10 CA 1R EP		2,551,625	#EMPTY #EMPTY	Filed Filed	18-Jun-04 18-Jun-04	#EMPTY		
16141R 16192R	IO EP IO CA IR EP IR EP IR CA		2,551,625 4743779.3	#EMPTY	Filed Filed Granted	18-Jun-04	#EMPTY #EMPTY 8-Jan-13	16192RREP05T	CONVERGENCE OF CIRCUIT-SWITCHED VOICE AND PACKET-BASED MEDIA SERVICES

		No Sections	Astronomic Control	See See				
16217RR	EP	4743822.1		Filed	29-Jun-04	#EMPTY	16217RREP03T	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR MANAGING PESOURCES IN A COMMUNICATION SYSTEM.
16365RN	EP	4805904.2		Filed	2-Dec-04		16365RMEP03T	SELECTIVE PROCESSING OF A DAMAGED PROCESS
16365RN 16365RN	CN	200480037796.2 201110104690.1		Filed Filed	2-Dec-84 2-Dec-84		16365RINCNOAN 16365RINCNOSV	SELECTIVE PROCESSING OF A DAMAGED PROCETS SELECTIVE PROCESSING OF A DAMAGED PROCETS
16365RN	CN		#EMPTY	Filed	2-Dec-04			ALCENT PROCESSING OF A DAMAGED PROCESS SILECTOR PROCESSING OF A DAMAGED PROCESS SILECTOR PROCESSING OF A DAMAGED PROCESS
16391RO	GB	4806065.1		Granted	15-Dec-04			APPARATUS AND METHOD FOR DISTRIBUTING LAYER-2 VPN INFORMATION
16391RO	FR	4806065.1		Granted	15-Dec-04		16391ROFR06T	
16391RO 16391RO	DE CA	4806065.1 2,552,048		Granted Filed	15-Dec-04 15-Dec-04		16391RODE05T 16391ROCA03N	APPARATUS AND METICO FOR DISTREUTING LAYER 2 VPN INFORMATION APPARATUS AND METICO FOR DISTREUTING LAYER 2 VPN INFORMATION APPARATUS AND METICO FOR DISTREUTING LAYER 2 VPN INFORMATION
16392RO	GB GB	4806060.2		Granted	15-Dec-04	2-Dec-09	16392ROGB07T	or reserving some set in substitute in the set in the s
16392RO	FR	4806060.2		Granted	15-Dec-04	2-Dec-09		APPARATUS AND METHOD FOR LAYER-2 AND LAYER-3 VPN DISCOVERY
16392RO	DE	4806060.2		3 Granted	15-Dec-04	2-Dec-09		APPABATUS AND INETHOD FOR LAYER 2 AND LAYER 3 UNI DISCOVERY
16392RO	CA	2,552,047 10-2006-7017513		Filed	15-Dec-04 3-Mar-05	#EMPTY 24-Jul-13	16392ROCAGSN	APPAGATISA AND METHOD FOR HATRIP AND LATERS APPLIED SCOREY APPAGATISA AND METHOD FOR HATRIP AND LATERS APPLIED SCOREY APPAGATISA AND METHOD FOR HATRIP AND LATERS APPLIED SCOREY APPAGATISA AND AND AND AND AND AND AND AND AND AN
16483BA 16483BA	ED ED	12165152.5	10-1291501 HEMPTY	Granted Filed	3-Mar-05		16483BAKROSN 16483BAEPOGV	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS
16483BA	EP		#EMPTY	Inactive	3-Mar-05		16483BAEP03T	TECHNIQUE TO MANIMATING SECON RETWORK CONNECTIONS
16483BA	CN	201210302149.6		Filed	3-Mar-05		16483BACNO®V	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS
16483BA	CN		ZL200580013886	Granted	3-Mar-05	10-0ct-12	15483BACNO4N	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS AUTODISCOVERY FOR VIRTUAL NETWORKS
16484RN 16484RN	ER ER	4769730.5 4769730.5		Granted Granted	26-0ct-04 26-0ct-04	1-Apr-09 1-Apr-09		AUTOROGOMEN TO WINDOW A THOMSS
16484RN	DE	4769730.5		6 Granted	26-Oct-04	1-Apr-09		AUTODISCOVER FOR VIRTUAL INTRODES
16484RN	CN	200480031531.1	200480031531.1	1 Granted	26-Oct-04	11-Nov-09		AUTODISCOVERY FOR VIRTUAL NETWORKS
16572RO	EP	5706399.2		Filed		#EMPTY	16572ROEP06T	ETHERNET DIFFRENTIATED SERVICES
16572RO 16605RO	CN GR	200580002444.8 5706400.8	#EMPTY 1 706 970	Inactive Granted	12-Jan-05 20-Jan-05	#EMPTY 14-Jul-10	16572ROCN07N 16605ROGB10T	ETHERNET DEFERENTIATED SERVICES CONDITIONING METHOD AND SISTEM FOR ETHERNET AND ATM METHORS INTERMORENGE
16605RO	FR	5706400.8		Granted	20-Jan-05	14-Jul-10		MICHOLOUPUS STATEM FOR THE THE THAT WAS INTERPROPERTY OF THE THE THAT OF THE T
16605RO	DE	60 2005 022 268.5	1 706 970	Granted	20-Jan-05	14-Jul-10	16605RODE06T	METHOD AND SISTEM FOR ETHERNET AND ATM NETWORK INTERNORKING
16670ID	SE	5732795.9	1 735 961	Granted	6-Apr-05	25-Nov-09	16670IDSE18T	DEFERENTIAL FORMANDING IN ADDRESS BASED CARRIER IN ETWORKS
16670ID 16670ID	NL rp	5732795.9 10-2013-7021341	1 735 961 #EMPTY	Granted	6-Apr-05	25-Nov-09 HEMPTY	16670IDNL17T	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRER NETWORKS DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRER NETWORKS
16670ND	KR	10-2015-7021341	#EMPTY	Filed Filed	13-Aug-13 6-Apr-05	#EMPTY #EMPTY	16670IDKR27V 16670IDKR10N	DEPERATION OF THE PROPERTY OF
16670ID	KR	10-2013-7020348	HEMPTY	Filed		#EMPTY	16670IDKR26V	DEFERRING FORWARDING IN ADDRESS-BASED CARRIER ART VIVORS
16670ID	KR	10-2013-7021343	#EMPTY	Filed	13-Aug-13	HEMPTY	16670IDKR28V	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670ID		2012-223284	#EMPTY	Filed		HEMPTY	16670IDJP22V	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER INSTRUMENS ADDRESS-BASED CARRIER INSTRUMENT ADDRESS-BASED
16670ID 16670ID		2012-223285 2007-506833	HEMPTY S106100	Filed D Granted	6-Apr-05 6-Apr-05		16670IDJP23V 16670IDJP09N	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670ID		2011-103244		7 Granted	6-Apr-05		16670IDJP19V	DIFFERNITIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670ID	JP	2013-096466	5544440	_	6-Apr-05		16670IDJP25V	DIFFERENTIAL FORNWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670ID	IN co	5325/DELNP/2006	#EMPTY	Filed		#EMPTY	16670IDINDBN	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670ID 16670ID	GB GB	716169.8 506972.9	2 438 767 2 422 508	Granted Granted	18-Aug-07 6-Apr-05	21-May-08 31-Oct-07	16670IDGB12V 16670IDGB08U	DIFFERENTIAL FORWARDING IN ADDRESS BASED CARRER NETWORKS DIFFERENTIAL FORWARDING IN ADDRESS BASED CARRER NETWORKS
16670ID	GB GB	5732795.9	1 735 961	Granted	6-Apr-05	25-Nov-09	16670IDGB16T	OFFERITIVE CONVARIONS IN ADDRESS SHARED CARRIER MYCKINS
16670ID	FR	5732795.9	1 735 961	Granted	6-Apr-05	25-Nov-09	16670(DFR15T	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670ID	DE	5732795.9	602005017882.1	1 Granted	6-Apr-05	25-Nov-09	16670IDDE14T	DEFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670MD 16670MD	CN	200580010257.4 2,560,702	Z1200580010257 #EMPTY	Granted Filed	6-Apr-05 6-Apr-05	13-Oct-10	16670IDCN06N 16670IDCAD5N	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRER METHORIS DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRER METHORIS
16691RN	WO	PCT/IB2010/001989	#EMPTY	Inactive		#EMPTY	16691RNW003W	
16691RN	KR	10-2012-7006286	#EMPTY	Filed	11-Aug-10	#EMPTY	16691RMKROBN	AUTOMATED SESSION ADMISSION
16691RN	JP	2012-524300	#EMPTY	Filed		HEMPTY	16691RNJP07N	AUTOMATED SESSION ADMISSION
16691RN 16691RN	HK.	13105676.5 10808027.6	HEMPTY HEMPTY	Filed Filed	11-Aug-10 11-Aug-10	#EMPTY HEMPTY	16691RMHKO9N 16691RMEPO6T	AUTOMATED SSSION ADMISSION AUTOMATED SSSION ADMISSION
16691RN	CN	201080045776.5		Filed	11-Aug-10		16691RINCNOSN	AUTOMATED SESSION ADMISSION
16691RN	CA	2,771,081		Filed	11-Aug-10	HEMPTY	16691RINCAD4N	AUTOMATED SESSION ADMISSION
16876RO	CA	2,618,722		Filed	25-Jul-06	_	16876ROCAGSN	NETWORK CONTROLLED CUSTOMER SERVICE GATEWAY FOR FACULITATING MULTIMEDIA SERVICES OVER A COMMON NETWORK
16904RO 16904RO	GB ER	5767743.7 5767743.7		Granted Granted	25-May-05 25-May-05	21-Aug-13 21-Aug-13	16904ROGB10T 16904ROFR09T	COMPETINITY FAULT HOTHERCATION COMPETINITY FAULT HOTHERCATION
16904RO	EP	13181097		Filed	25-May-05 25-May-05		16904ROEP11V	CONNECTIVITY PACEL INTERPOLATION CONNECTIVITY PACEL INTERPOLATION CONNECTIVITY PACEL INTERPOLATION
16904RO	EP	5767743.7	1 766 865	Inactive	25-May-05	21-Aug-13	16904ROEP05T	CONNECTIVITY FAULT NOTIFICATION
16904RO	DE	6.02005E+11		Granted	25-May-05	21-Aug-13	16904RODE08T	COMMENTAL HORISTON COMMENT AND A STATE OF THE STATE OF TH
16904RO 16904RO	CA	200580009167.3 2,560,982		Filed Filed	25-May-05 25-May-05		16904ROCN07N 16904ROCA06N	METHOD AND SISTEM FOR CONNECTIVITY FAULT NOTIFICATION CONNECTIVITY FAULT NOTIFICATION
16989RO	EP	5735573.7		Filed	20-Apr-05		16989ROEP04T	SUBSTRUCTION TYPES CONTINUED TO THE STRUCT SUPPORT FOR ETHERNET MULTISERVICE INTERNORMING OVER MULTIPROTOCOL LABEL SWITCHING
17054RO	EP	5782424.5	HEMPTY	Filed	25-Aug-05	#EMPTY	17054ROEP04T	SERVICE EDGE PLATFORM ARCHITECTURE FOR A MULTI-SERVICE ACCESS NETWORK
17095RN	EP	6831777.5		Filed	20-Dec-06		17095RMEP03T	GENERIC SIMP BEORNATURE OLUCTION
17121ID 17154SS	WO WO	503806.2 PCT/US2005/022049		Granted Filed	24-Feb-05 22-Jun-05		17121IDGB02U 17154SSW006W	INTELLIGENT CONNECTION MAIN-GENERT BACKBONE PROVIDER BROOMS/NETWORKS
17154SS	EP	5761862.1		Filed	22-Jun-05			Unicident information and intermediate the property of the Control
1715455	CA	2,571,795	2,571,795	5 Granted	22-Jun-05	22-Oct-13	17154SSCA07N	BACKBONE PROVIDER BRIDGING ACTIVORKS
17161RO	EP CP	5761908.2		Filed	28-Jun-05			LAYER ZO DIVES SENICE MEDIATION ACCHITECTURE
17192ID 17462RO	KR KR	500113.6 10-2008-7016563	2 422 062 #EMPTY	Granted Filed	6-Jan-05 8-Dec-05		17192IDGB01U 17462ROKR05N	INTEGRATED OPTICAL TRANSMITTER SESSION INTERTION PROTOCOL (SP) INJUDICAT MANAGEMENT METHOD
17462RO	EP	5853271.4		Filed	8-Dec-05		17462ROEP03N	A SSOOM INTERFECT ON TO JOY OF THE WASHINGTON THE THE OF THE OWNER OF THE OWNER OF THE OWNER OWN
17462RO	CN	200590052530.X	ZL200580052530	Granted	8-Dec-05	14-Nov-12	17462ROCNB4N	SESSION INITIATION PROTOCOL (SP) MULTICAST MANAGEMENT METHOD
17471AU	GB co		1 672 869	Granted	7-Dec-05		17471AUGB06E	
17471AU 17471AU	EP EP	5026702 5026702		Granted Inactive	7-Dec-05 7-Dec-05		17471AUFR05E 17471AUEP02E	SHAMING OF AUTHENTICATED DATA SHAMING OF AUTHENTICATED DATA
17471AU	DE	6.02005E+11		Granted	7-Dec-05		17471AUDE04E	JAMPINIO TO TREITING TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO
17478RO	EP	6779745.6	#EMPTY	Filed	21-Jun-06	#EMPTY	17478ROEP03T	TIMELY RECOVERY FOR MEDIA ON DEMAND STREAMING
17559RN	IN .	3944/DELNP/2006	HEMPTY	Filed	12-Sep-06		17559RMIN06N	INTERACTIVE COMMUNICATION SESSION COOKES
17559RN 17624RO	EP ro	6795469.3 10-2008-7003248	#EMPTY 10-1304134	Filed Granted	12-Sep-06 22-Jun-06	#EMPTY 29-Aug-13	17559RMEPOST 17624ROKROSN	INTERACTIVE COMMUNICATION SESSION COOKES COMPRISE INVESTMENT IN WINELESS SYSTEMS WITH RIXTO INFRASTRUCTURE BASED RELAYS
17624RO	KR	10-2008-7003248	10-1368381	Granted	22-Jun-06	21-Feb-14	17624ROKR10V	OVERSE INFOVENCES IN WILLIAM STATES STATES WITH INTO MENTAL STATES OF A STATE
17624RO	KR	10-2013-7023577	10-1432004	Granted	22-Jun-06	12-Aug-14	17624ROKR12V	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH FRED INFRASTRUCTURE BASED BELAYS
17624RO	HK	9107698.1	1129970	0 Granted	22-Jun-06	31 May 13	17624ROHKOSN	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH FIXED DUPPASTRUCTURE BASED RELAYS
		6761070	HEMPTY	Filed	22-Jun-06	#EMPTY	17624ROEP04T	COVERAGE INVENUENCES SYSTEMS WITH RIVED INFRASTRUCTURE BASED RELAYS
17624RO	EP CN		HEMIDTY	Clark	22 1 00	HERIDAY	1767/0/2004/00**	
17624RO	EP CN CN	201210455231.2		Filed 4 Granted	22-Jun-06 22-Jun-06	#EMPTY 19-Dec-12	17624ROCN09V 17624ROCN05N	COMPRISE MARROMEMENT IN WINELESS SYSTEMS WITH FINED MIRRASTRUCTURE BASED RELAYS COMPRISE THE MOREOMEMENT IN WINELESS SYSTEMS WITH FINED MIRRASTRUCTURE BASED RELAYS
	EP CN CN EP	201210455231.2	200690030347.4 #EMPTY	Filed 4 Granted Filed 3 Granted	22-Jun-06	#EMPTY 19-Dec-12 #EMPTY 2-Dec-11		

Anna Lana	AND SHARES	Carlow Carlow					
17736RO GE	6790635.4	1 946 474	Granted	5-Sep-06	11-Jan-12	17736ROGB07T	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS
17736RO GB	12150634.9	2 442 468	Granted	5-Sep-06	20-Nov-13	17735ROGB12V	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS
17736RO FR 17736RO FR	6790635.4 12150634.9	1 946 474	Granted	5-Sep-06	11-Jan-12	17735ROFR06T	
17736RO EP		2 442 468 HEMPTY	Granted Filed	5-Sep-06 5-Sep-06	20-Nov-13 #EMIPTY	17735ROFR11V 17735ROEP09V	
17736RO EP	12150634.9		Inactive	5-Sep-06	20-Nov-13		
17736RO DE 17736RO DE	12150634.9 6.02006E+11		Granted Granted	5-Sep-06 5-Sep-06	20-Nov-13 11-Jan-12	17736RODE10V 17736RODE05T	
17775ID GB	6076558.3	1 758 320	Granted	10-Aug-06	21-Apr-10		FORMARDINE STATE MAINING TO ME THE PRINCE SWITCHES
17775ID FR	6076558.3	1 758 320	Granted	10-Aug-05	21-Apr-10		FORWARDING TABLE MINIMISATION IN ETHERNET SWITCHES
17775ID DE 17775ID CN	6076558.3 200610121271.8	1 758 320 Z1200610121271	Granted Granted	10-Aug-06 25-Aug-06	21-Apr-10 30-Mar-11		FORMARDING TABLE INMINISATION IN ETHERNET SYNTOKES FORMARDING TABLE INMINISATION IN ETHERNET SYNTOKES
17780ID GB	6779526	1 943 785	Granted	22-Sep-06	24-Aug-11	17780IDGB07T	MULTILINK TRUNDING FOR ENCAPSULATED TRAFFIC
17780ID FR 17780ID DE	6779526	1 943 785	Granted	22-Sep-06	24-Aug-11	17780IDFR06T	AULITUM TRANSING KIS BENASULATED TRAFFIC
17793RO HK	6779526 8113267.1	1 943 785 HEMPTY	Granted Filed	22-Sep-06 19-Dec-07	24-Aug-11 #EMPTY	17780IDDE05T 17793ROHK03U	MULTILIAN TRANSING FOR EXCAPSULATED TRAFFIC TECHNIQUE FOR EXVIANICALLY CONTROLLING DELINEN OF CONTENT
17793RO EP	7024605.3	HEMPTY	Filed	19-Dec-07	#EMPTY	17793ROEP0ZE	TECHNIQUE FOR DYNAMICALLY CONTROLLING DELIVERY OF CONTENT
17828FR EP 17829RO HK		HEMPTY HEMPTY	Filed Filed	29-Sep-05 19-Sep-06	#EMPTY #EMPTY	17828FREP01E 17829ROHK04U	METHOD FOR SUPPLYING POWER TO A DEVICE USHIT POWER CONTROL FOR SOURS SENSOR DEVICES METHOD AND APPARATUS FOR PROVIDING AVAILABILITY METHOS FORMER/SUPPLYING FOR SOURS SENSOR DEVICES
17829RO GB		2 446 758	Granted	19-Sep-06	16-Feb-11	17829ROGB03N	
17833RO IN		HEMPTY	Filed	11-Sep-06		17833ROIN06N	
17833RO EP 17833RO EP		HEMPTY HEMPTY	Filed Filed	11-Sep-06 11-Sep-06	#EMPTY #EMPTY	17833ROEP09V 17833ROEP05T	PROVIDER EACHEONE ERIDGING - PROVIDER EACHSON TRANSPORT INTERNETWORKING PROVIDER EACHEONE ERIDGING - PROVIDER EACHSONE TRANSPORT INTERNETWORKING
17833RO CN		HEMPTY	Filed	11-Sep-06	#EMPTY	17833ROCND4N	
17913ID EP		HEMPTY	Filed	30-Jan-07	#EMPTY	17913IDEP03T	METHOD AND DEVICE FOR COMMECTING SEPARATE SPANNING TREE NETWORKS
17927RO GB 17927RO FR	6790586.9 6790586.9	1 917 779 1 917 779	Granted Granted	25-Aug-06 25-Aug-06	22-Feb-12 22-Feb-12	17927ROGB07T 17927ROFR06T	MULTI-SEGNETT PSUDO-VINES MULTI-SEGNETT PSUDO-VINES
17927RO EP	6790586.9	HEMPTY	Filed	25-Aug-06	#EMPTY	17927ROEP04T	MUTI-SESHERT FSULO-WHES
17927RO DE	6790596.9	1 917 779	Granted	25-Aug-06	22-Feb-12	17927RODE05T	MUDISGREET FSQUO-WIKS
17935RO EP 17999RO KR	6814534.1 10-2008-7011116	HEMPTY 10-1342944	Filed Granted	12-Sep-06 13-Oct-06	#EMPTY 12-Dec-13	17935ROEPD4T 17999ROKRD9N	ROBINARDING PLANE DATA COMMUNICATIONS CHANNEL KOR ETHERNET TRANSPORT NETWORKS GIAPPIS CONTROL OF ETHERNET
17999RO JP	2008-534837	4833292	Granted	13-0ct-06	30-Sep-11	17999ROIP08N	OWN DE CONTROL OF LIBRORY.
17999RO IN		HEMPTY	Filed	13-0ct-06	#EMPTY	17999ROIN07N	SAPIS CONTROL OF ETHERNET
17999RO CN 17999RO CA		HEMPTY HEMPTY	Filed Filed	13-0ct-06 13-0ct-06	#EMPTY #EMPTY	17999ROCN05N 17999ROCAOAN	SMPUS CONTROL OF ETHERNET GMPUS CONTROL OF ETHERNET
18017SS EP		HEMPTY	Filed	26-Jun-07	#EMPTY	18017SSEP08V	
180175S EP		HEMPTY	Filed	26-Jun-07	#EMPTY	18017SSEP04T	
18017SS EP 18069RO EP		HEMPTY HEMPTY	Filed Filed	26-Jun-07 2-Nov-07	#EMPTY #EMPTY	18017SSEP05V 18069ROEP03E	METHOD AND APPARATUS FOR DETECTING UNSOLUTED MULTIMEDIA COMMUNICATIONS TIME SHIFTED BROADCAST DELINERY
18069RO CA		HEMPTY	Filed	2-Nov-07	#EMPTY	18069ROCA02U	
18115RO GB	811147.8	2 447 378	Granted	12-Sep-06	6-Jul-11	18115ROGB04N	
18122RO HK 18122RO EP	9112348.5 7815934	#EMPTY	Filed Filed	28-Sep-07 28-Sep-07	#EMPTY #EMPTY	18122ROHK04T 18122ROEP03T	A METHOD AND SISTEM FOR PREDICTION THE ADOPTION OF SERVICES, SUCH AS TELECOMMUNICATION SERVICES A METHOD AND SISTEM FOR PREDICTION THE ADOPTION OF SERVICES, SUCH AS TELECOMMUNICATION SERVICES
18134RO EP	12188831.7	HEMPTY	Filed	24-Sep-07	#EMPTY	18134ROEP07V	METHOD AND APPARATUS FOR ENABLING COMMUTER GROUPS
18134RO EP		HEMPTY	Inactive	24-Sep-07	#EMPTY	18134ROEP04T	METHOD AND APPARATUS FOR ENAELING COMMUTER GROUPS
18134RO CA 18179RO KR		HEMPTY HEMPTY	Filed Filed	24-Sep-07 13-Dec-08	#EMPTY #EMPTY	18134ROCAGIN 18179ROKROSN	
18179RO JP		HEMPTY	Filed	13-Dec-08	#EMPTY	18179ROJPOSN	METHOD AND SISTEM FOR LOOPING BACK TRAFFICE IN OIG ETHERRET RINGS AND 3.1 PROTECTED PET TRUMS
18179RO JP		HEMPTY	Filed	13-Dec-08	HEMPTY	18179ROJP11V	METHOD AND SISTEM FOR LOOPING BACK TRAFFICE IN COLCEMERATE RINGS AND 1.1 PROTECTED PET TRUMS
18179RO IN 18179RO EP		HEMPTY HEMPTY	Filed Filed	13-Dec-08 13-Dec-08	#EMPTY #EMPTY	18179ROIN07N 18179ROEP06T	METHOD AND SISTEM FOR LOOPING BACK TRAFFICE IN CIDE THEMSE MINES AND 1:1 PROTECTED PERT TRUMS METHOD AND SISTEM FOR LOOPING BACK TRAFFICE IN CIDE THEMSE AND 1:1 PROTECTED PERT TRUMS METHOD AND SISTEM FOR LOOPING BACK TRAFFICE IN CIDE THEMSE AND 1:1 PROTECTED PERT TRUMS
18179RO CN		HEMPTY	Filed	13-Dec-08	#EMPTY	18179ROCNDAN	METHOD AND SYSTEM FOR LOOPING BACK TRAFFICE IN QUICTHERNET RINGS AND 1.1 PROTECTED PRIT TRUNKS
18179RO CA 18189RO EP	-1		Filed Filed	13-Dec-08	#EMPTY #EMPTY	18179ROCA05N 18189ROEPD4T	METHOD AND SISTEM FOR LOOPING BACK TRAFFEE IN CIDE ETHERS AND 1:1 PROTECTED PET TRANKS SISTEM AND METHOD FOR DOWNING A CONFERENCE CALL OR MULTIMEDIA CONFERENCE
18189RO CA			Filed	25-Sep-07 25-Sep-07	#EMPTY	18189ROCAO3N	
18201HU KR	10-2007-0098478	1366628		28-Sep-07	18-Feb-14	18201HUKR04U	METHOD AND SISTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS
18201HU IN 18201HU HK		#EMPTY #EMPTY	Filed Filed	11-Sep-07	#EMPTY #EMPTY	18201HUINO5U 18201HUHKO6U	
18201HU EP			Filed	29-Sep-08 5-Sep-07	#EMPTY	18201HUEP02E	
18201HU CN	201210163580.7	HEMPTY	Filed	26-Sep-07	#EMPTY	18201HUCN09V	METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS
18201HU CN 18206RN EP		ZL200710161930 #EMPTY	Granted Filed	26-Sep-07 12-Sep-07	18-Jul-12 #EMPTY	18201HUCNOGU 18206RNEPO3T	
18206RN EP		HEMPTY	Filed	12-Sep-07	#EMPTY	18206RNEP05V	
18207FR KR	10-2009-7009980	HEMPTY	Filed	17-0ct-07	#EMPTY	18207FRKR05N	METHOD OF COMPISURING A NODE, PELATED NODE AND CONFIGURATION SERVER
18207FR KR 18207FR EP		HEMPTY HEMPTY	Filed Filed	17-0ct-07 17-0ct-07	#EMPTY #EMPTY	18207FRKROSV 18207FREPO4T	
18207FR CN			Filed	17-0ct-07	#EMPTY	18207FRCNO7V	
18207FR CN	200780038950.1	200780038950.1		17-0ct-07	22-May-13	18207FRCNOSN	
18213RO KR 18213RO KR			Filed Filed	13-Sep-07 9-Dec-13		18213ROKRD6N 18213ROKR12V	
			Filed	13-Sep-07	#EMPTY	18213ROJP05N	DIGITAL MEDIA SECONDER BASED ADVENTISING
		#EMPTY	Filed	22-Aug-13		18213ROJP11V	DIGITAL NEDA RECORDER BASED ADVERTISING
18213RO HK 18213RO EP	10106287.4 7804910.3		Filed Filed	13-Sep-07 13-Sep-07		18213ROHK09V 18213ROEPD4T	
18213RO EP	12171934.8	HEMPTY	Filed	13-Sep-07	#EMPTY	18213ROEP08V	DIGITAL MEDIA DE CORDER BASED ADVERTISING
18213RO EP	12171936.3		Filed	13-Sep-07	#EMPTY	18213ROEP07V	
18213RO CA 18219RO HK	2,663,405 14101391.1		Filed Filed	13-Sep-07 11-Jun-07	#EMPTY #EMPTY	18213ROCA03N 18219ROHK11V	
18219RO HK			Filed	3-Mar-10	#EMPTY	18219ROHK06N	
18219RO HK		HK1135814	Granted	3-Mar-10	16-May-13	18219ROHK06N	
18219RO GB 18219RO FR		2 027 674 2 027 674	Granted Granted	11-Jun-07 11-Jun-07	23-0ct-13 23-0ct-13	18219ROGB10T 18219ROFR09T	SUPPORTING INJUTE/PROTOCOL LABEL SYNTONING INVEST, APPLICATIONS OVER ETHERNET SYNTCH PATHS SUPPORTING INJUTE/PROTOCOL LABEL SYNTONING INVEST, APPLICATIONS OVER ETHERNET SYNTCH PATHS
18219RO EP	13182016.9	HEMPTY	Filed	11-Jun-07	#EMPTY	18219ROEP07V	SUPPORTING MULTI-PROTOCOL LAREL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS
18219RO EP		2 027 674	Inactive	11-Jun-07	23-0ct-13	18219ROEP04T	SUPPORTING MULTI-PROTOCOL LABEL SANTONING (MAYES, APPLICATIONS ONER ETHERNET SANTCH PATHS
18219RO DE 18219RO CN		2 027 674 ZL200780029933	Granted Granted	11-Jun-07 11-Jun-07	23-0ct-13 1-Aug-12	18219RODE08T 18219ROCN05N	
18284RR HK	8113336.8	HEMPTY	Filed	8-Dec-08	#EMPTY	18284RRHK03U	MESSAGE MAPPING FOR FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT
18284RR EP		HEMPTY	Filed	21-Dec-07	#EMPTY	18284RREP02E	MESSAGE MAPPINIG FOR FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT
18320RO SE	6817645.2	1 943 782	Granted	2-0ct-06	28-Mar-12	18320ROSE19E	PROVIDER LINS STATE ERRORANS

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18320RO	ΣE	11190180.7 2	424 178	Granted	2-0ct-06	4-Jun-14	18320ROSE29V	PROVIDER LINE STATE ENDORMS
18320RO	NL		943 782	Granted	2-0ct-06	28-Mar-12		PROVIDER LINK STATE BRIDGING
18320RO 18320RO	NL		424 178 0-1406922	Granted Granted	2-0ct-06 2-May-06	4-Jun-14	18320RONL25V 18320ROKR09N	
18320RO	JP	2008-533832	4778062		2-0ct-06			PROVIDED UNIX 2 THE BROOMS PROVIDED UNIX 2 THE BROOMS PROVIDED UNIX 2 THE BROOMS
18320RO	П	6817645.2 4		Granted	2-0ct-06			PROVIDER LINK STATE BRIDGING
18320RO	П	11190180.7 2		Granted	2-0ct-06		18320ROIT27V	
18320RO 18320RO	GB.	1444/KOUNP/2008 #8 6817645.2 1		Filed Granted	2-0ct-06	#EMPTY 28-Mar-12	18320ROGB16E	PROVIDER LINK STATE BRIDGING PROVIDER LINK STATE BRIDGING
18320RO	GB	11190180.7 2		Granted	2-0ct-06			PROVIDER IN INC. THE BROOMS PROVIDER IN INC. THE BROOMS PROVIDER IN INC. THE BROOMS
18320RO	FR	6817645.2 1		Granted	2-0ct-06		18320ROFR15E	PROVIDER LINK STATE ERROGING
18320RO 18320RO	FR	11190180.7 2 6817645.2 1		Granted	2-0ct-06		18320ROFR25V 18320ROFI14E	PROVIDER LINK STATE BRIDGING PROVIDER LINK STATE BRIDGING
18320RO	FI .	11190180.7 2		Granted Granted	2-Oct-06 2-Oct-06	4-Jun-14		PROJUED UNIX SHIT ENGANCE PROJUED UNIX SHIT ENG
18320RO	ES	11190180.7 2		Granted	2-Oct-06	4-Jun-14		PROVADER LINK STATE ERROGING
18320RO	ES			Granted	2-0ct-96	28-Mar-12		PROVIDER LINK STATE ERROSING
18320RO	EP	14166807.9 #I		Filed		#EMPTY	18320ROEP21V	PROVIDER UNS TATE ERDORAIG
18320RO 18320RO	EP FP			Inactive Inactive	2-0ct-06 2-0ct-06	28-Mar-12 4-Jun-14	18320ROEP06E 18320ROEP10V	PROVIDER LINK STATE BROGING PROVIDER LINK STATE BROGING
18320RO	DE			Granted	2-Oct-06	28-Mar-12		PROMOTE IN IN STATE ENDISHING
18320RO	DE	11190180.7		Granted	2-0ct-06		18320RODE22V	PROVIDER LINK STATE BRIDGING
18320RO 18340RO	CN	200680045710.X ZI 7394026.4 1	1200680045710	Granted	2-Oct-06	19 May 10	18320ROCNOSN 18340ROGBOSE	PROVIDED BITS STATE BRODAIG AND ADDRESS A
18340RO	FR		916 833	Granted Granted	30-Oct-07 30-Oct-07	21-Oct-09 21-Oct-09	18340ROFROSE	SOURCE SELECTION FOR CONFERENCE BROGES SOURCE SELECTION FOR CONFERENCE BROGES
18340RO	DE			Granted	30-0ct-07	21-Oct-09	18340RODE04E	JOHNE SELECTION FOR CONTRIBUTE BERDES
18340RO	CA	2,606,535 #1		Filed		#EMPTY	18340ROCA02U	SOURCE SELECTION FOR CONFERENCE FRIDGES
18341RO	GB rn			Granted	3-May-07	12-Feb-14	18341ROGB08T	INTERNORMING COUNTTO POINT PROTOCOL FOR DIGITAL SUSCIEBER UNIX CACESS WITH EMPRINE TO OWNER ON THE TOWN OF THE PROTOCOL FOR DIGITAL SUSCIEBER UNIX CACESS WITH EMPRINE TO OWNER ON THE PROTOCOL FOR DIGITAL SUSCIEBER UNIX CACESS WITH EMPRINE TO OWNER ON THE PROTOCOL FOR DIGITAL SUSCIEBER UNIX CACESS WITH EMPRINE TO OWNER ON THE PROTOCOL FOR DIGITAL SUSCIEBER UNIX CACESS WITH EMPRINE TO OWNER OWNER OF THE PROTOCOL FOR DIGITAL SUSCIEBER UNIX CACESS WITH EMPRINE TO OWNER OWNE
18341RO 18341RO	EP EP	7732661.9 2 11172496.9 #I		Granted Filed	3-May-07 3-May-07	12-Feb-14 #EMPTY	18341ROFRO7T 18341ROEP05V	INTERNORRING POINT TO POINT PROTOCOL FOR DIGITAL SUBSCREER LINE ACCESS WITH ETHERNET CONNECTIONS IN THE AGGREGATION FETWORK INTERNORRING POINT TO POINT PROTOCOL FOR DIGITAL SUBSCREER LINE ACCESS WITH ETHERNET CONNECTIONS IN THE AGGREGATION FETWORK
18341RO	EP			Inactive	3-May-07	12-Feb-14	18341ROEPD4T	INTERWORKING POINT TO POINT PROTOCOL FOR DIGITAL SUBSCRIBER LINE ACCESS WITH ETHERNET CONNECTIONS IN THE AGGREGATION NETWORK
18341RO	DE	6.02007E+11 2	020 120	Granted	3-May-07	12-Feb-14	18341RODE06T	INTERWORKING POINT TO POINT PROTOCOL FOR DIGITAL SUBSCRIBER LINE ACCESS WITH ETHERNET COMMECTIONS IN THE AGGREGATION NETWORK
18351RO	EP CN	7719814.1 #1		Filed		#EMPTY	18351ROEP05T	METHOD AND SYSTEM FOR REPORTUNIS A SUB-DOMAIN WITHIN A READINGST DOMAIN WITHOU AND DESTRUCTION OR REPORTUNIS A SUB-DOMAIN WITHIN A READINGST DOMAIN WITHOU AND DESTRUCTION OR REPORTUNIS OF THE REPORT OF THE PROPERTY OF TH
18351RO 18351RO	CA	200780018608.5 #I 2,651,861 #I		Filed Filed		HEMPTY HEMPTY	18351ROCNOEN 18351ROCAGAN	METHOD AND SISTEM FOR PROTECTINGS A SUB-DOMAIN WITHIN A BROUDCAST DOMAIN METHOD AND SISTEM FOR PROTECTINGS A SUB-DOMAIN WITHIN A BROUDCAST DOMAIN
18352RO	EP	7825177.4 #1		Filed		#EMPTY	18352ROEP04T	INCLUDIO DE CONTROL CO
18352RO	CA	2,664,262 #1	EMPTY	Filed	25-Sep-07	¥EMPTY	18352ROCA03N	ACTIVE SOURCE IDENTIFICATION FOR CONFERENCE CALLS
18414RO	EP	7024920.6 H		Filed			18414ROEP02E	CALLSENVER SELECTION
18455RO 18460RO	EP ED	7024923 #1 8000950.9 #1		Filed Filed		#EMPTY #EMPTY	18455ROEP0ZE 18460ROEP0ZE	PRISONALIZED CONTENENCE BRIDGE INTERACTIVE CONTENEN FOR CLIDG-TO-CALL CALLS
18465RN	EP			Filed	_	#EMPTY	18465RMEP03T	TECHNICUES FOR INFERNATING LOCAL TRUNK GROUPS WITH SESSION INITIATION PROTOCOL (SIP)
18475RO	KR			Granted	15-Nov-07	29-Nov-11	18475ROKR07N	SERVING GATEWAY PROXIES FOR NON-SIP SPEAKERS IN A NEXT GENERATION NETWORK
18475RO	HK	10105616.1	1139800		15-Nov-07	9-Aug-13	18475ROHKOSN	SERVING GATEWAY PROVIES FOR NON-SIP SPEAKERS IN A NEXT GENERATION NETWORK
18475RO 18475RO	ES	P200990005 7845516.9 #I	2365782 EMIDTY	Granted Filed	15-Nov-07 15-Nov-07	20-Aug-12 #EMPTY	18475ROESOGN 18475ROEPOST	SERVING GATEMAT PROJES FOR NON-SIP SPEARES IN A NEXT GENERATION NETWORK SERVING GATEMAT PROJES FOR NON-SIP SPEARES IN A NEXT GENERATION NETWORK
18475RO	CN		EMPTY	Filed	15-Nov-07	#EMPTY	18475ROCN09V	ARMING SHEWITTHOUGH THOUGHT AT ATTACKS ON IN THE HUMB. SERVING SHEWITTHOUGH THOUGHT AT ATTACKS ON IN THE HUMB. SERVING SHEWITTHOUGHT AT ATTACKS ON IN THE SHEWING SH
18475RO	CN			Granted	15-Nov-07	14-Nov-12	18475ROCNOSN	SERVING GATEWAY PROXES FOR NON-SIP SPEARERS IN A NEXT GERERATION NETWORK
18475RO	CA	2,671,901 #1		Filed		#EMPTY	18475ROCA04N	SERVING GATEWAY PROXIES FOR NON-SIP SPEAKES IN A NEXT SEARCRATION NETWORK
18487RO 18487RO	GB co			Granted Granted	21-Dec-07 21-Dec-07	28-Mar-12 28-Mar-12	18487ROGB05E 18487ROFRO4E	LOAD BALANCING FOR MULTICAST STREAM PROCESSORS LOAD BALANCING FOR MULTICAST STREAM PROCESSORS
18487RO	EP	7024902.4 1		Inactive	21-Dec-07	28-Mar-12	18487ROEP02E	Long Determinant Con Michigan Street (1997)
18487RO	DE	7024902.4 1	940 109	Granted	21-Dec-07	28-Mar-12	18487RODE03E	LOAD BALANCING FOR MULTICAST STREAM PROCESSORS
18501RN	HK	8113889.9 #f		Filed		#EMPTY	18501RMHKOBU	METHOD AND SYSTEM TO CONTROL ADVERTISING
18501RN 18520RO	EP co	7024588.1 #I 7024924.8 #I		Filed Filed		#EMPTY #EMPTY	18501RMEP0ZE 18520ROEP0ZE	METHOD AND SISTEM TO CONTROL ADVERTISING RE-ENCRYPTING ENCRYPTED CONTEXT ON A VIDEO-ON-DEMAND SISTEM
18560ID	EP	8855458.9 #I		Filed	26-Nov-08		185600DEP03T	INCREMENTATION OF THE PROPERTY
18566RR	EP	7869592.1 #I		Filed	20-Dec-07	#EMPTY	18566RREP03T	SYSTEM AND METHOD FOR PROVIDING POWER MANAGEMENT IN A SENSOR NETWORK
18571RO	EP	7816108 #I		Filed	1-Nov-07		18571ROEP05T	DISTRIBUTED STORAGE OF ROUTING INFORMATION IN A UNIX STATE PROTOCOL CONTROLLED NETWORK
18571RO 18571RO	CN CN	201210297856.0 #I 200780040352.8	EMPTY 200780040352.8	Filed Granted	1-Nov-07 1-Nov-07	#EMPTY 10-Oct-12	18571ROCNOSV 18571ROCNOSN	
18571RO	CA	2,664,564 #1		Filed		#EMPTY	18571ROCADAN	
18579RN	KR	10-2013-7031713 #I	EMPTY	Filed	28-Nov-13	#EMPTY	18579RMKR09V	MEDIA CONTEXT INFORMATION
18579RN	KR			Filed		#EMPTY	18579RMKR13V	MEDIA CONTRET IN GORMATION
18579RN 18579RN	IF.H			Granted Filed	11-Dec-07 11-Dec-07	27-Jun-14 #EMPTY	18579RMKRO7N 18579RNJPO5N	MEDIA, CONTEXT INFORMATION MEDIA, CONTEXT INFORMATION
18579RN	JP			Filed			18579RNJP08V	MEDICA CONTACT IN CONTRACTION MEDICA CONT
18579RN	GB .	7859006.6 2	127 203	Granted	11-Dec-07	7-May-14	18579RNGB12T	MEDIA CONTEXT INFORMATION
18579RN	FR rn	7859005.6 2		Granted	11-Dec-07			MEDIA CONTEXT IN CORRACTION VICTOR CONTEXT IN
18579RN 18579RN	DE	7859005.6 2 7859005.6	127 203 602007036621.6	Inactive Granted	11-Dec-07 11-Dec-07		18579RMEP03T 18579RMDE10T	MEDIA CONTEXT INFORMATION MEDIA CONTEXT INFORMATION
18579RN	CN	200780051368.9 #1		Filed	11-Dec-07			MEDIA CONTROL WAS GROWNING
18579RN	CA			Filed			18579RNCAO4N	MEDIA CONTEXT INFORMATION
18647RO 18647RO				Inactive Filed	29-Jun-11 29-Jun-11	#EMPTY		METHOD AND APPARATUS FOR ENCOUNG VIDEO TO PLAY AT MULTIPLESPEEDS METHOD AND APPARATUS FOR ENCOUNG VIDEO TO PLAY AT MULTIPLESPEEDS
18647RO				Filed		#EMPTY	1864/ROIPOGN	INCHIOLORU WARPHROUS KIN DELCOURING VIDEO TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHEDS METHOD AND PAPPARIOS FOR MINUSCORE TO PLAY AT MINUFFECHED TO PLAY AT MINUFFECHED TO PLAY AT MINUFFECHED TO PLAY AT MINUSCORE TO PLAY AT MINUSCO
18647RO	EP	11868602.1 #1		Filed	29-Jun-11		18647ROEP02T	METHOD AND APPARATUS FOR ENCODING VIDEO TO PLAY AT MULTIPLESPEEDS
18654RO	JP	2009-535814	5129261		2-Nov-07	9-Nov-12	18654ROJP07N	COMBINING PLSS AND PET TO PRODUCE ENGINEERABLE ELAN SERVICE
18654R0	EP co	7824883.8 #I		Filed	2-Nov-07		18654ROEPOST	COMBINIFYES AND PET TO PRODUCE ENGNERABLE LAN SENICE COMBINITY OF THE PRODUCE ENGNERABLE LAN SENICE COMBINITY OF THE PRODUCE THE STREET SENIOR SENI
18654RO 18654RO	CN	14161170.7 #1 200780040341.X #1		Filed Filed	2-Nov-07 2-Nov-07		18654ROEPD9V 18654ROCND8N	COMBINING PLS AND PRIT TO PRODUCE ENGINEERABLE CLAIN SERVICE COMBINING PLS AND PRIT TO PRODUCE ENGINEERABLE CLAIN SERVICE
18654RO	CA	2,668,128 #1	EMPTY	Filed	2-Nov-07		18654ROCAGEN	TRANSIC MOMERCE DATAS NA LIUS STATE PROTOCOL CONTINUELLE DESPRESANCE AND
18655RO	GB	7816105.6 2		Granted			18655ROGB10T	METHOD AND APPARTUS FOR COMPUTING ALTERNATE MULTICAST/BROADCAST PATHS IN A ROUTED NETWORK
18655RO	FR	7816105.6 2		Granted	1-Nov-07		18655ROFROST	METHO GAD APPARTIS OR ORDERING ALTERNAT MULTICAS/SENDACAS PATHS IN A BOUTED DEPROOR WITHOUGH AND ADMINISTRATION OF CONFIDENCE ALTERNAT MULTICAS/SENDACAS PATHS IN A BOUTED DEPROOR WITHOUGH AND ADMINISTRATION OF CONFIDENCE ALTERNAT AND ADMINISTRATION OF CONFIDENCE
18655RO 18655RO	EP FP	14161987.4 #I 7816106.6 2		Filed Inactive	1-Nov-07 1-Nov-07	#EMPTY 14-May-14	18655ROEP07V 18655ROEP05T	METHOD AND APPARATUS FOR COMPUTING ALTERNATE MULTICAST/BRODICLAST PATHS IN A ROUTED NETWORK METHOD AND APPARATUS FOR COMPUTING ALTERNATE MULTICAST/BRODICLAST PATHS IN A ROUTED NETWORK
18655RO	DE	7816105.6 2		Granted	1-Nov-07	14 May 14	18655RODEO8T	INCERTION OF PERSONS AND PROPERTY OF THE PROPE
18655RO	CN	200780040332.0 #I		Filed	2	#EMPTY	18655ROCNOEN	METHOD AND APPARATUS FOR COMPUTING ALTERNATE MULTICAST/BROADCAST PATHS IN A ROUTED NETWORK
18655RO	CA In	2,665,093 #I		Filed Filed		#EMPTY	18655ROCADAN	METHOD AND APPARTIS FOR COMPUTING ALTERNAT MALITICAST/BENACCAST PATHS IN A ROUTED NETWORK
18666RO 18666RO		2013-263095 #I 2009-534716	EMPTY 5345942		19-Dec-13 31-Oct-07	#EMPTY 23-Aug-13	19666ROJP10V 19666ROJP06N	QAM FOR DIFFERENTIAL FORWARDING IN ADDRESS BASED NETWORKS QAM FOR DIFFERENTIAL FORWARDING IN ADDRESS BASED NETWORKS

		Description Description		ATTEN STATES	
18666RO	JP	2012-236529 #EMPTY	Filed	31-Oct-07 #EMPTY	1866GOPON ON FOR ENTERPENDING PORNINGING IN ADDRESS BASID RETWORKS
18666RO 18666RO	EP CN	7839904.5 #EMPTY 20130252099 #EMPTY	Filed Filed	31-0ct-07 #EMPTY 31-0ct-07 #EMPTY	1.8666/CEPUAT OMN FOR DIFFERENTIAL FORWINDING IN ADDRESS BASED RETWORKS 1.8666/COUNCY OMN FOR DIFFERENTIAL FORWINDING IN ADDRESS BASED RETWORKS
18666RO	CN	20130232039 HEMPTT 200780040851.7 ZI200780040851	Granted	31-0ct-07 #EMP11 31-0ct-07 24-Jul-13	1.50000-0.0001-0.0001-0.0000-0
18666RO	CA	2,667,681 #EMPTY	Filed	31-Oct-07 #EMPTY	1866ROCAGEM ETHERNET OAM AT INTREMEDIATE MODES IN A PET NETWORK
18682RO 18682RO	EP CN	8748270.9 #EMPTY 200880015507.7 #EMPTY	Filed Filed	7-May-08 #EMPTY 7-May-08 #EMPTY	1.98SEXCEPIST ACQUIRATING AUTOMATIC PROTECTION SHITCHING FOR PROVIDER BACKBOR NETWORK 1.98SEXCOURS PACULATING AUTOMATIC PROTECTION SHITCHING FOR PROVIDER BACKBOR NETWORK
18682RO	CA	2,683,571 #EMPTY	Filed	7-May-08 #EMPTY	DOSESTANDARY TRANSPORTED TO THE PROTECTION SHIP TO THE PROTECTIO
18690RO	JP	2013-207864 #EMPTY	Filed	17-Jan-08 #EMPTY	1869GROPIZIV METHOD AND APPARATUS FOR INTERPORNING ETHERATE AND AIPLS NETWORKS
18690RO 18690RO	JP IP	2013-207865 #EMPTY 2009-546521 5385154	Filed Granted	17-Jan-08 #EMIPTY 17-Jan-08 11-Oct-13	1.86SOROPISV METHOD AND APPARATUS FOR INTERNORMIS ETHERNET AND MPIS NETWORKS 1.86SOROPISM METHOD AND APPARATUS FOR INTERNORMIS ETHERNET AND MPIS NETWORKS
18690RO	EP	8727858.6 #EMPTY	Filed	17-Jan-08 #EMPTY	1989/ROCKPIAT METHOD AND APPARATUS FOR INTERNOCRAMIC EMBRACE AND MASS ACTIVIDATES
18690RO	CN	201310140849.4 #EMPTY	Filed	17-Jan-08 #EMPTY	1869ROCKLTV METHOD AND APPARATUS FOR INTERNORMINE ETHERNET AND MASS NETWORKS
18690RO 18690RO	CN CA	200880002355.7 Z1200880002355 2,670,766 #EMPTY	Granted Filed	17-Jan-08 29-May-13 17-Jan-08 #EMIPTY	1,95CORCOLOUN UNTRO CADO APPARATOS FOR INTERNORMAS ETHERNET ADO MPS NETWORKS 1,95CORCOLASH METHOD AND APPARATOS FOR INTERNORMAS ETHERNET ADD MPS NETWORKS
18694RO	KR	10-2009-7014603 10-1421511	Granted	19-Nov-07 15-Jul-14	186544CKR07A HERACHICAL ROUTING FOR PLSE
18594RO	GB rn	7852144.8 2 092 692	Granted	19-Nov-97 23-Apr-14	18849AGGEZZT HERACHICA BOUTING FOR PLS
18694RO 18694RO	EP EP	7862144.8 2 092 692 13188019.7 #EMPTY	Granted Filled	19-Nov-97 23-Apr-14 19-Nov-97 #EMPTY	18SARCHELIT HERACHICA ROUTING FOR PUS 18SARCEPISM HERACHICA ROUTING FOR PUS
18694RO	EP	7862144.8 2 092 692	Inactive	19-Nov-07 23-Apr-14	18S34GCEPUST HIERACHICAL ROUTING FOR PLSS
18694RO	DE	7862144.8 2 092 692	Granted	19-Nov-07 23-Apr-14 19-Nov-07 27-Mar-13	188480000 HRADIOLA BOUTING FOR PLS
18694RO 18694RO	CA.	200780051177.2 :IZ00780051177 2,671,671 #EMPTY	Granted Filed	19-Nov-07 27-Mar-13 19-Nov-07 #EMPTY	1859ACCASAN MEROCICA ROUTING FOR PUS 1854ACCASAN METHOD AND APPARATUS FOR EXCHANGING FOUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTINITY ACROSS MULTIPLE NETWORK AREAS
18598RN	KR	10-2011-7004484 #EMPTY	Filed	1-Jul-09 #EMPTY	1859SRAKKORN MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
18598RN	JP ID	2011-520610 #EMPTY	Filed	1-Jul-09 #EMPTY	188898WPM MULTIMEDIA AGENTECURE FIRE AUDIO AND VISUAL CONTRIT
18698RN 18698RN	JP JP	2014-157217 #EMPTY 2014-157217 #EMPTY	Filed Filed	1-Jul-09 HEMPTY 1-Jul-09 HEMPTY	1.5859RMP1DV MULTIMEDIA ARCHITECTURE FOR ALDIO AND VISUAL CONTENT 1.5859RMP1DV MULTIMEDIA ARCHITECTURE FOR ALDIO AND VISUAL CONTENT
18698RN	IN	610/CHENP/2011 #EMPTY	Filed	1-Jul-09 #EMPTY	18698RANDGRA MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
18698RN	EP	9802574.5 #EMPTY	Filed	1-Jul-09 #EMPTY	1889884PST MULTIMEDIA APORTICTURE FOR AUDO AND VISUAL CONTINT
18698RN 18698RN	CN CN	201410276334.1 #EMPTY 200980139764.6 ZL200980139764	Filed Granted	1-Jul-09 #EMPTY 1-Jul-09 23-Jul-14	18639BACKINSV MAUTIMEDIA ARCHITECTURE FOR AUDO AND VISUAL CONTENT 18639BACKINSA MAUTIMEDIA ARCHITECTURE FOR AUDO AND VISUAL CONTENT
18698RN	BR	P10916251-8 #EMPTY	Filed	1-Jul-09 #EMPTY	1859SRABERON MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
18710RN	KR	10-2011-7015358 #EMPTY 2011-539115 #EMPTY	Filed	1-Dec-09 #EMPTY	ISTUGRANSION ENHANCED CHANNEL SURFING
18710RN 18710RN	JP IP	2011-539115 #EMPTY 2014-236851 #EMPTY	Filed Filed	1-Dec-09 #EMPTY 1-Dec-09 #EMPTY	15/10/AUCON BHANCED CHANNEL SURFING 15/10/AUCON BHANCED CHANNEL SURFING
18710RN	EP	9830068.4 #EMPTY	Filed	1-Dec-09 #EMPTY	ISTIGNETUST DAMARCE CHANNEL SURFIX
18710RN	CN	200980155871.8 #EMPTY	Filed	1-Dec-09 #EMPTY	1ST108ACHBAH ENHACED CHARAEL SURFING
18710RN 18738RO	CA ED	2,745,322 #EMPTY 8743040.1 #EMPTY	Filed Filed	1-Dec-09 #EMPTY 18-Apr-08 #EMPTY	15/10/ACA/SH ENHALCED CHANNEL SURFING 15/30/ACA/SH FALUER NOTIFICATION IN A NETWORK HAVING SERALLY CONNECTED INDEES
18738RO	CN	200880020823.3 #EMPTY	Filed	18-Apr-08 #EMPTY	100 JOSEPH CONTROLL OF THE PROPERTY OF THE PRO
18738RO	CA	2,684,623 #EMPTY	Filed	18-Apr-08 #EMPTY	18738ROCK/SIN FAILURE NOTRICATION IN A NETWORK HAVING SERNALLY CONNECTED NODES
18755RO 18755RO	GB E0	8705973.9 2 104 896 8705973.9 2 104 896	Granted Granted	17-Jan-08 6-Mar-13 17-Jan-08 6-Mar-13	19555AGSELZT BORDER GATENAY PROTOCOL PROCEDURES FORMULTI-PROTOCOL LAGES WITCHING AND LAYER 2 WITCH LAFRANCE INCIDENCE SHOWER STATE AND LAYER 2 WITCH LAFRANCE INCIDENCE SHOWER SATENAY PROTOCOL PROCEDURES FORMULTI-PROTOCOL LAGES WITCHING AND LAYER 2 WITCH LAFRANCE TOWNER USING ETHER LAFE ASSED TUMBLES
18755RO	EP	12177596.9 #EMPTY	Filed		1555 SECRETARY BOODERS GATERIAN PROJECT AN ADMINISTRATION OF THE PROJECT OF THE P
18755RO	EP	8705973.9 2 104 896	Inactive	17-Jan-08 6-Mar-13	1815SROCEPUST BOMDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER, 2 VIRTUAL PRIVATE NETWORKS USING ETHERBET-BASED TURNELS
18755RO 18755RO	DE DE	60 2008 022 690.5 2 104 896 201310106911.8 #EMPTY	Granted Filed	17-Jan-08 6-Mar-13 17-Jan-08 #EMIPTY	1975SECOLID BONDER GATENIAN PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LAGELS WITCHING AND LAYER-2 VINTUAL PRIVATE INCENCENCY SIGNING ETHER REPORT - ARKED TUMBLES 1975SECOLIDS** BONDER GATERIAN PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LAGELS WITCHING AND LAYER-2 VINTUAL PRIVATE INCENCENCY SIGNING ETHER REPORT - ARKED TUMBLES
18755RO	CN		Granted	17-Jan-08 1-May-13	
18755RO	CA	2,674,109 #EMPTY	Filed		1815580CAGAN BORDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSANTCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERENET-BASED TUMMELS
18756RO 18756RO	IN ED	3487/CHENP/2009 #EMPTY 8713796.4 #EMPTY	Filed Filed	17-Jan-08 #EMIPTY 17-Jan-08 #EMIPTY	297556/MIONIN BOODER GATENNY PROTOCOL EXTENDED COMMUNITY ATTRUTE FOR LAYER 2 AND LAYER-3 AND LAYER-3 WITH LAYER FOR MISSING SOL 1444-645ED TUMBLS 19756/CEPMAT BOODER GATENHY PROTOCOL EXTENDED COMMUNITY ATTRUTE FOR LAYER-2 AND LAYER-3 WITH LAYER-3 FROM IN 1500 FOR LAYER-3 COMMUNITY ATTRUTE FOR LAYER-2 AND LAYER-3 WITH LAYER FOR MISSING SOL 1444-645ED TUMBLS
18756RO	CN		Filed	17-Jan-08 #EMPTY	100-0500-050 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY ATRIBUTE TO MAY 100-0500 BORDER CATEFORM PROTOCOL EXTENDED COMMUNITY
18756RO	CN	200880002344.9 200880002344.9		17-Jan-08 9-Apr-14	1815SROCKIGEN BORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATHRUITE FOR LAYER-2 AND LAYER-3-WITUAL PRIVATE NETWORKS USING 802. LAM-BASED TURNELS
18756RO 18823RN	CA KP	2,674,201 #EMPTY 10-2010-7017231 #EMPTY	Filed Filed	17-Jan-08 #EMIPTY 30-Dec-08 #EMIPTY	1875SROCASEN BORDER GATERINI PROTOCOL EXTENDED COMMUNITY ATRIBUTE FOR LAYER-2 AND LAYER-2 AND LAYER-3 NETWAL PRIVATE NETWORKS USING 802.1494-864ED TUNNELS 1802SRIKEION PROMADDING ADRICS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18823RN	KR	10-2014-7023964 #EMPTY	Filed	30-Dec-08 #EMPTY	DESCRIPTION PROMADDING AND AND STATE PROTOCOL CONTROLLED FRANKET NETWORK
18823RN	JP	2010-540940 5291122		30-Dec-08 14-Jun-13	18823RNIPOSIN PFORMARDING ACROSS A UNIX STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18823RN 18823RN	JP IN	2013-048223 5550757 3920/CHENP/2010 #EMPTY	Granted Filed	30-Dec-08 30-May-14 30-Dec-08 #EMPTY	18828ANGYIV PROMARDING ACKOSS A LINK STATE PROTOCOL CONTROLLED ETHEMET NETWORK 18828ANGYIV PROMARDING ACKOSS A LINK STATE PROTOCOL CONTROLLED ETHEMET NETWORK
18823RN	EP	12159975.7 #EMPTY	Filed	30-Dec-08 #EMPTY	1992-2004 PRINTED TO THE PRINTED TO
18823RN	EP	8870330.1 #EMPTY	Filed	30-Dec-08 #EMPTY	1.8823RNAF96T IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18823RN 18823RN	CN CN	20141036497.X #EMPTY 200880127493.8 ZL200880127493	Filed Granted	30-Dec-08 #EMIPTY 30-Dec-08 27-Aug-14	18028NCH2V PFORMARDING ACROSS A UNIX STATE PROTOCOL CONTROLLED ETHERNET NETWORK 18028NCH05N PFORMARDING ACROSS A UNIX STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18823RN	BR	PI0821664-9 #EMPTY	Filed	30-Dec-08 #EMIPTY	100-200-200-200-200-200-200-200-200-200-
18833RO	EP	8757179 #EMPTY	Filed	2-Jun-08 #EMPTY	1883390CPUST DISTRIBUTED CONNECTION ESTABLISHMENT AND RESTORATION
18833RO 18833RO	LN		Correct !		
	CA	200880018483.0 ZL200880018483 2,687,882 #EMPTY	Granted Filed	2-Jun-08 16-Jan-13 2-Jun-08 #EMIPTY	1.8838/COMAN DISTRIBUTED CONNECTION ESTABLISHMENT AND RESTORATION 1.8838/CAUGHI DISTRIBUTED CONNECTION ESTABLISHMENT AND RESTORATION
18850RO	CA Kr	2,687,882 HEMPTY 10-2011-7005759 HEMPTY	Filed Filed		18838XCASBN DISTRIBUTED CONNECTION EST-RELISIMENT AND RESTORATION 1885EXCRIBES AND ON AFRITITY CRITERA
18850RO 18850RO	CA KR JP	2,687,882 #EMPTY 10-2011-7005759 #EMPTY 2011-526585 #EMPTY	Filed Filed Filed	2-Jun-08 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY	SERSENCE/COM DETREPLITO COMPACTION ESCALEMENTA AND DESCORATION SERSIONESS AND APPRILY CONTRACTOR SERVICE SERVICE ON APPRILY CONTRACTOR SERVICE SERVICE ON APPRILY CONTRACTOR SERVICE SERVICE ON APPRILY CONTRACTOR SERVICE SER
18850RO 18850RO 18850RO	CA KR JP IN EP	2,687,682 #EMPTY 10-2011-7005759 #EMPTY 2011-526585 #EMPTY 1740/CHEMP/2011 #EMPTY	Filed Filed Filed Filed	2-Jun-08 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY	3833BCAGRID DOMRICTION ESTABLISHMENT AND RESTORATION 3835BCAGRID RANGE SPACE PREJUSTS SALES ON AFFAITY CHIEFIA 3835BCAGRID RANGE SPACE PREJUSTS SALES ON AFFAITY CHIEFIA 3835BCAGRID RANGE SPACE PREJUSTS SALES ON AFFAITY CHIEFIA
18950RO 18950RO 18950RO 18950RO 18950RO	CA KR JP IN EP CN	2,687,882 JEMPTY 10-2011-7065759 #EMPTY 2011-526585 #EMPTY 1740/CHEP/2011 #EMPTY 1812751.7 #EMPTY 200980135630.7 #EMPTY	Filed Filed Filed Filed Filed	2-Jun-08 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY	SESSIONADES DERIVITO COMBICTION ESTABLISHMENT AND RESTORATION
18850RO 18850RO 18850RO 18850RO 18850RO 18850RO	CA KR JP IN EP CN	2,687,882 HEMPTY 10-2011-7005759 HEMPTY 2011-25255 HEMPTY 1740/CHEMP/2011 HEMPTY 9812275.1, HEMPTY 2008015559.7, HEMPTY PH0518256-0 HEMPTY	Filed Filed Filed Filed Filed Filed	2-Jun-08 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY	\$2550CASRI SERRO CARRET SERVICE SERVICE ON AFFAITT ORIERA
18850RO 18850RO 18850RO 18850RO 18850RO 18850RO 18950RO	CA KR JP IN EP CN BR GB	2,827,882 MEMPTY 10-2011-7005799 MEMPTY 2011-526585 MEMPTY 2011-526585 MEMPTY 1740/CHRMP/2011 MEMPTY 5912751.7 MEMPTY 2008012550.7 MEMPTY 2008012550.7 MEMPTY MEMPTY 514067.5 2451738	Filed Filed Filed Filed Filed Filed Granted	2-Jun-08 HEMPTY 10-Sep-09 HEMPTY 10-Sep-09 HEMPTY 10-Sep-09 HEMPTY 10-Sep-09 HEMPTY 10-Sep-09 HEMPTY 10-Sep-09 HEMPTY 1-Hug-08 14-Oct-09	SSESSICATION STRUCTURE CONTINUE CON
18850RO 18850RO 18850RO 18850RO 18850RO 18850RO 18905RO 18923RO	CA KR JP IN EP CN BR GB WO	2.887.852 PEMPTY 10-2011-7067573 PEMPTY 1240(-0001-52655 PEMPTY 1240(-0001-52655 PEMPTY 1240(-0001-52656 PEMPTY 1240(-0001-52666 PEMPTY 1240(-0001-526	Filed	2-Jun-08 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 1-Aug-08 #EMPTY 11-Dec-08 #EMPTY 11-Dec-08 #EMPTY	SESSECATION DESIGNATION DESIGNATION DESIGNATION
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18850RO 18850RO 18850RO 18850RO 18850RO 18950RO 18923RO 18923RO 18923RO 18923RO	KR Kr JP	2.887.882 PLANFY 10.7011-7005755 PLANFY 10.7011-7005755 PLANFY 11.40(10.618-7.2011 PLANFY 12.00(10.618-7.2011 PLANFY 12.00(10.618	Filed Filed Filed Filed Filed Filed Filed Granted Filed Filed Filed Filed Filed Filed	2-Jun-08 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 10-Sep-09 #EMPTY 1-Jun-08 14-Oct-09 22-May-12 #EMPTY 11-Dec-08 #EMPTY 11-Dec-08 #EMPTY 11-Dec-08 #EMPTY	SESSECACION DRIBLITO COMBICTON ESTABLISHMENT AND RESTORATION
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18938RO	RU	2011121624	2526712	Granted	27-Nov-09	2-Jul-14	18938RORU10N	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPAUTER-GENERATED VIRTUAL ENVIRONMENT
18938RO	KR		HEMPTY	Filed	27-Nov-09		18938ROKROSN	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPAUTER-GENERATED VIRTUAL ENVIRONMENT
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18938RO	CN	200980155863.3	#EMPTY	Filed	27-Nov-09	KEMPTY	18938ROCNUSN	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPAUTER-GENERATED VIRTUAL ENVIRONMENT
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18970RO	CN	200980150306.2	200980150306.2	Granted	13-0ct-09	30-Apr-14	18970ROCN04N	METHOD AND SISTEM FOR WEIGHTED FAIR QUEUING
18970RO	CA	2,743,944		Filed		KEMPTY	18970ROCAO9N	METHOD AND SISTEM FOR WEIGHTED FAIR QUEUING
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19012RN	KR	10-2014-7024694	HEMPTY	Filed		EMPTY	19012RNKR14V	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19012RN	JP	2010-540943		Granted	30-Dec-08	12-Jul-13	19012RNJP07N	MPIS P NODE REPAGEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19012RN 19012RN	IN co	3919/CHEMP/2010 8870124.8	#EMPTY	Filled Granted	30-Dec-08 4 30-Dec-08	HEMPTY 12-Feb-14	19012RMIN06N 19012RMGB13T	MAYES P ROCE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK. MAYES P ROCE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK.
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19012RN	EP	8870124.8		Inactive	30-Dec-08	12-Feb-14	19012RMEP05T	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19012RN	DE	8870124.8		Granted	30-Dec-08	12-Feb-14		MMS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
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19065RN	KR	10-2010-7017135	#EMPTY	Filed	30-Dec-08		19065RMKRO9N	IMPLEMENTATION OF PAYING OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19065RN	KR		HEMPTY	Filed	4-Nov-14			IMPLEMENTATION OF PAPPAS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET INETWORK.
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19065RN	EP	8870353.3		Filed	30-Dec-08			IMPREMENTATION OF VPMS OVER A UNIX STATE PROTOCOL CONTROLLED ETHERNET NETWORK
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19097RO	KR			Filed	13-Oct-08		19097ROKR19N	AUTOMATIC MEP PROVISIONING IN A LIMIC STATE CONTROLLED ETHERNET NETWORK
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19097RO	KR		#EMPTY				100020090011	IP INTERVIOUS AND PREFORMANCE MONITORING USING FEBRERET DAM
19097RO	JP	2013-085376		Filed	13-0ct-08 4		19097ROKR31V 19097ROKR25N	IP NETWORK AND PERSONANCE CONTROVERS CARE CHEMICATE CHAIN PREVIOUS AND DEPOSITANCE CONTROVERS CHEMICATE CHAIN CONTROLL TO GOT MANAGEMENT TO MICH STATE CONTROLLED EMBRIET NEW CONTROLLED CHEMICATE CHAIN CONTROLLED CONTROLLED CHAIN CONTROLLED CHEMICATE CHAIN CHAIN CONTROLLED CHAIN
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19142RO	KR	10-2010-7012583	#EMPTY	Filed	7-Nov-08	EMPTY	19142ROKR07N	APPUINT FOWER CONTROL WITH INTERFERENCE OVER THE MALE (OT) (LOAD CONTROL
19142RO	JP	2010-532671		Granted	7-Nov-08	26-Jul-13	19142ROJPOGN	LPUINK POWER CONTROL WITH INTERFEENCE-OVER-THERMAL (OT) LOAD CONTROL
19142RO 19142RO	IN ro	2679/CHENP/2010 8846439.1	#EMPTY	Filed	7-Nov-08 4		19142ROIN05N	LULIUM RYWER COMINGO. WITHIN TESPERACE AND THE REMAN, DOTI LOAD CONTROL.
19142RO	CN	200880124697.6		Filed Filed	7-Nov-08 4 7-Nov-08 4		19142ROEPOAT 19142ROCNO3N	LPRUME POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (COT) LOAD CONTROL LPRUME POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (COT) LOAD CONTROL
19143RO	WO.	PCT/CA2010/001028	HEMPTY	Inactive	29-Jun-10	KEMPTY	19143ROW002W	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIOVISUAL ASSESTS
19143RO 19143RO	RU KR	2012102478 10-2011-7031340	#EMPTY #EMPTY	Filed Filed		HEMPTY HEMPTY	19143RORU11N 19143ROKR10N	METRICO AND APPARATUS FOR INCEPENDENT LICENSING OF AUDIO IN CISTRIBUTION OF AUDIONISMAL ASSETS METRICO AND APPARATUS FOR INCEPENDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIONISMAL ASSETS
19143RO	JP	2012-516457	#EMPTY	Filed		HEMPTY	19143ROIP09N	METHOD AND APPARATISES FOR INCEPEDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIOVISUAL ASSESTS
19143RO	JP	2014-232959	#EMPTY	Filed	29-Jun-10		19143ROJP12V	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIOVISUAL ASSESTS
19143RO 19143RO	IN FP	9777/CHENP/2011 10793482	#EMPTY #EMPTY	Filed Filed		KEMPTY KEMPTY	19143ROINOBN 19143ROEPO7T	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIONISMAL ASSETS METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIONISMAL ASSETS
19143RO	CN	201080029169.X	#EMPTY	Filed	29-Jun-10		19143ROCNOSN	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIOVISUAL ASSESTS
19143RO	CA BR	2,765,873 PI1016007-8		Filed		KEMPTY KEMPTY	19143ROCA05N 19143ROBRD4N	METHOD ADA PAPARATIS FOR INDEPENDENT LICHENING OF AUDIO IN DISTRIBUTION OF AUDIONASIA ASSESTS
19143RO 19143RO	AU		HEMPTY HEMPTY	Filed Filed		EMPTY	19143ROAU03N	METHOD AND APPARATUS FOR INCEPENDENT LICENSING OF AUDIO IN CISTRIBUTION OF AUDIONISMAL ASSETS METHOD AND APPARATUS FOR INCEPENDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIONISMAL ASSETS
19144RO	RU	2011128774	#EMPTY	Filed	2-Dec-09	EMPTY	19144RORU1ON	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
19144RO 19144RO	KR	10-2011-7017339 2011-542908	#EMPTY #EMPTY	Filed Filed		KEMPTY KEMPTY	19144ROKRO9N 19144ROJPOSN	READY ACCESS TO UNIFORM RESOURCE DEMTHERS THAT ARE ASSOCIATED WITH FELENISON CONTENT READY ACCESS TO UNIFORM RESOURCE DEMTHERS THAT ARE ASSOCIATED WITH FELENISON CONTENT
19144RO	IN IN	4251/CHEMP/2011	HEMPTY	Filed	2-Dec-09 4		19144ROIN07N	RADIO RECEDITORIS ON RESOURCE DESIREMENT HAVE RESOURCED RETURNED THE RECEDITORIS ON THE RESOURCE DESIREMENT HAVE RESOURCE DESIREMENT HAVE RESOURCE DESIREMENTS HAVE RESOURCE D
19144RO	EP	9834188.6		Filed	2-Dec-09		19144ROEP06T	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
19144RO 19144RO	CN CA	200980152241.5 2,745,656		Filed Filed		HEMPTY HEMPTY	19144ROCNOSN 19144ROCAGAN	READY ACCESS TO UNIFORM RESOURCE DERITIFIES THAT ARE ASSOCIATED WITH FELENSION CONTENT READY ACCESS TO UNIFORM RESOURCE DERITIFIES THAT ARE ASSOCIATED WITH FELENSION CONTENT
19144RO	BR	PI0923162-5	#EMPTY	Filed		HEMPTY	19144ROBROSN	RADY ACESS TO UNFORM RESURES DERIFIERS THAT ARE ASSOCIATED WITH TELENION CONTENT
19170RO	KR		HEMPTY	Filed		KEMPTY	19170ROKROSN	A METHOD AND APPARATUS TO SCCIENCY EMBED VOID AND MULTIMEDIA STREAM SESSION KEYSTO EMBEL AVENU INTERCEPT AND SESSION BECORDING
19170RO 19170RO	JP IN	2010-541665 5045/DELNP/2010	#EMPTY #EMPTY	Filed Filed		HEMPTY HEMPTY	19170ROJPO7N 19170ROJNO6N	A NETHOD AND APPARATUS TO SECUREUX ENERGO VOIP AND MULTIMEDIA STREAM SESSION KEYSTO ENABLE JAMPUL INTERCEPT AND SESSION RECORDING A NETHOD AND APPARATUS TO SECUREUX ENERGO VOIP AND MULTIMEDIA STREAM SESSION KEYSTO ENABLE JAMPUL INTERCEPT AND SESSION RECORDING
19170RO	EP	9700480.8	HEMPTY	Filed	12-Jan-09	EMPTY	19170ROEP05T	METHOD AND APPARATUS TO EMARLE LAWFUL INTERCEPT OF ENCRYPTED TRAFFIC
19170RO	CN	200980108825.2		Filed		EMPTY	19170ROCNDAN	A METHOD AND APPARATUS TO SCURELY EMBED VOIP AND MULTIMEDIA STREAM SESSION KEYSTO EMBLE LAWRUL INTERCEPT AND SESSION BECORDING
19217ID 19269RO	RU RU	9166702.2 2014102712	#EMPTY #EMPTY	Filed Filed		HEMPTY HEMPTY	19217IDEP02E 19269RORU13V	NICCO MEAD-END A METHOD FOR OFFERTING MULTI-DOMAIN PROVIDER ETHERNET NETWORKS
19269RO	RU	2011120188		Granted	25-Nov-09	10-Jun-14	19269RORU10N	A METHOD FOR OPERATING MULTI-DOMAIN PROVIDER ETHERNET NETWORKS
19269RO	KR		#EMPTY	Filed		KEMPTY	19269ROKRO9N	A METHOD FOR OPERATING MULTI-DOMAIN PROVIDER ETHERNET IN ETWORKS
19269RO 19269RO	JP IP	2011-541037	#EMPTY 555848	Filed Granted	25-Nov-09 4 25-Nov-09	HEMPTY 13-Jun-14	19269ROUP14V 19269ROUP08N	A NOTIFICATION OFFERTING MULTI-COMAIN PROVIDER CHERRACT NOTIFICANS A NOTIFICATION OFFERTING MULTI-COMAIN PROVIDER CHERRACT NOTIFICANS
19269RO			#EMPTY	Filed	25-Nov-09		19269ROIN07N	A METHOD FOR DEPARTMENDALULFOOMAR PROVIDER ETHERACT RETWORKS
19269RO	EP	9833963.3		Filed		EMPTY	19269ROEP06T	A METHOD FOR OPERATING MULTI-DOMAIN PROVIDER ETHERNET IN ETWORKS
19269RO 19269RO	CN CA	200980149599.2 2,743.001		Filed Filed		HEMPTY HEMPTY	19269ROCNOSN 19269ROCADAN	A METHOD FOR OPERATING MULTI-COMAIN PROVIDER ETHERALT NETWORKS A METHOD FOR OPERATING MULTI-COMAIN PROVIDER ETHERALT NETWORKS
19269RO	BR	PI0921083-0	#EMPTY	Filed		EMPTY	19269ROBRO3N	A METHOD FOR OPERATING MULTI-DOMAIN PROVIDER ETHERNET NETWORKS
19270RR	EP	10735395.5	#EMPTY	Filed		KEMPTY	19270RREP04T	METHOD AND APPARATUS FOR TELECOMMUNICATIONS NETWORK PERFORMANCE ANOMALYEVENTS DETECTION AND NOTIFICATION
19270RR 19271IN	RU.	2,768,220 2011124586		Filed Filed		KEMPTY KEMPTY	1927ORRCAGIN 19271INRU11N	METHOD AND APPARATUS FOR TELECOMMUNICATIONS NETWORK PERFORMANCE ANOMALIES ENTERTION AND NOTIFICATION SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
19271IN	KR	10-2011-7016566	HEMPTY	Filed		EMPTY	19271INKR10N	SCUR FRANCE ACCES PURIC COMMUNICATION ENVIRONMENT
19271IN	JP	2011-541042		Granted	16-Dec-09	26-Sep-14	19271INJP09N	SECURE REMOTE ACCESS PLERIC COMMUNICATION ENVIRONMENT
19271IN 19271IN	EP EP	4154/CHENP/2011 9832772.9	#EMPTY #EMPTY	Filed Filed		HEMPTY HEMPTY	19271ININOSN 19271INEPO7T	SCURE REMOTE ACCES PLEUK COMMUNICATION ENVIRONMENT SCURE REMOTE ACCES PLEUK COMMUNICATION ENVIRONMENT
19271IN	CN	200980151045.6		Filed		EMPTY	19271INCN06N	SECURE REMOTE ACCESS PURIL COMMUNICATION ENVIRONMENT
19271IN	CA	2,746,341		Filed	16-Dec-09		19271INCA05N	SECURE PRINCITE ACCESS PURILIC COMMUNICATION INVIRONMENT
19271IN 19311RO	RU RU	PI0922997-3 2014116613	#EMPTY #EMPTY	Filed Filed	16-Dec-09 4 24-Nov-09 4		19271INERO4N 19311RORU14V	SCLORE FRANCIE ACCESS PLEUC COMMUNICATION ENVIRONMENT RESUBENT ATTA-CHINENT TO PROVIDER LINK STATE BRIDGING (PLS) INCTIVORIS
19311RO	RU	2011120189		Granted .	24-Nov-09		19311RORU10N	RESIDENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSB) NETWORKS
19311RO 19311RO	KR ID	10-2011-7011634 2014-090573	#EMPTY #EMPTY	Filed Filed	24-Nov-09 4 24-Nov-09 4		19311ROKR09N 19311ROWP15V	RESULDIT ATTACHMENT TO PROJUDER UNK STATE BRIDGING (PLSI) NETWORKS RESULDIT ATTACHMENT TO PROJUDER UNK STATE BRIDGING (PLSI) NETWORKS
19311RO	JP	2014-090574	#EMPTY	Filed	24-Nov-09		19311ROW15V	REALIBRATE TO THE PROTECTION OF THE PROTECTION O
19311RO	JP	2011-541036		Granted	24-Nov-09	9-May-14		RESIDENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSS) NETWORKS
19311RO 19311RO	IN co	3412/CHENP/2011 9832755.4	#EMPTY #EMPTY	Filed Filed	24-Nov-09 4 24-Nov-09 4		19311ROIN07N 19311ROEP06T	RESULENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSS) IN ETWORKS RESULENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSS) IN ETWORKS
19311RO	CN	200980146629.4		Filed	24-Nov-09 4		19311ROCN05N	RESIDENT REPORT OF PROVIDENCE SHIPLE DESCRIPTION OF PROVIDENCE SHI
19311RO	CN	201310551487.8	HEMPTY	Filed	24-Nov-09	KEMPTY	19311ROCN12V	RESIDENT ATTACHMENT TO PROVIDER LIMESTATE ERIDGING (PLSE) NETWORKS
19311RO 19311RO	CA RR	2,743,087 PI0921926-9	HEMPTY HEMPTY	Filed Filed		KEMPTY KEMPTY	19311ROCAGAN 19311ROBROSN	RESULDIT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSI) IN ETWORKS RESULDIT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSI) IN ETWORKS
19311RO 19318RO	WO		#EMPTY	Inactive		KEMPTY		ROBERT HITCHARD TO TRANSLESS OR TENEFOR POLICY FOLIAGES SOURCE FOUND TO TRANSLESS FOR TENEFOR POLICY FOLIAGES SOURCE FOUND TO TRANSLESS FOR TENEFOR POLICY FOLIAGES SOURCE FOUND TO TRANSLESS FOR TENEFOR POLICY FOLIAGES
19318RO	RU	2012130857	#EMPTY	Filed	18-Mar-11	KEMPTY	19318RORU13N	SOURCE ROUTED VID TUNNELS FOR ETHERNET PACKET STEERING
19318RO 19318RO	KR IP		#EMPTY #EMPTY	Filed Filed	18-Mar-11 4 18-Mar-11 4	HEMPTY HEMPTY	19318ROKR12N 19318ROWP11N	SOURCE ROUTED WID TUNNELS FOR ETHEMET PACKET STEERING SOURCE ROUTED WID TUNNELS FOR ETHEMET PACKET STEERING
19318RO	IN		HEMPTY	Filed	18-Mar-11		19318ROIN10N	SOURCE FOULD BY LOWELS FOR THE PRINT PRINT AND
19318RO	EP	11758706.3	HEMPTY	Filed	18-Mar-11	KEMPTY	19318ROEP09T	SOURCE ROUTED VID TUDNELS FOR ETHERNET PACKET STEERING
19318RO 19318RO	CN CA	201180016161.4 2.784.456		Filed Filed		HEMPTY HEMPTY	19318ROCND8N 19318ROCAO7N	SOURCE ROUTED WID TUMBLES FOR ETHERNET PACKET SITERING SOURCE ROUTED WID TUMBLES FOR ETHERNET PACKET SITERING
19318RO	BR	2,764,430 1.12012E+12		Filed	18-Mar-11	EMPTY	19318ROBROEN	SOURCE ROUTED NOT TUNNELS FOR ETHERNELT PRACEET STEERING
19324RO	RU	2011121622		Granted	26-Oct-09 4		19324RORU10N	PROVISIONED PROVIDER UNIX STATE BRIDGING (PLSI) WITH ROUTED BACK-UP
19324RO 19324RO	K.R IP		#EMPTY #EMPTY	Filed Filed	26-0ct-09 4		19324ROKRO9N 19324ROJPO8N	PROVISIONED PROVIDER UNK STATE BRIDGING (PLSE) WITH ROUTED BACK-UP PROVISIONED PROVIDER UNK STATE BRIDGING (PLSE) WITH ROUTED BACK-UP
19324RO	IN	2899/CHENP/2011	HEMPTY	Filed	26-Oct-09		19324ROIN07N	PROVISIONED PROVIDER UNKSTATE BRIDGING (PLSE) WITH ROUTED BACK-UP
19324RO	EP		HEMPTY	Filed	26-Oct-09		19324ROEP06T	PROVISIONED PROVIDER LINK STATE BRIDGING (PLSI) WITH ROUTED BACK-UP
19324RO 19324RO	CA CA	200980142984.4		Filed Filed	26-0ct-09 4		19324ROCN05N 19324ROCA04N	PROVISIONED PROVIDER LUNK STATE BRIDGING (PLSE) WITH ROUTED BRICK-UP PROVISIONED PROVIDER LUNK STATE BRIDGING (PLSE) WITH ROUTED BRICK-UP
19324RO	BR	PI0919637-4	#EMPTY	Filed	26-Oct-09	EMPTY	19324ROBRO3N	PROVISIONED PROVIDER UNK STATE BRIDGING (PLSE) WITH POUTED BACK-UP
19337BA	WO		#EMPTY	Inactive	6-Apr-10		19337BAW002W	
19337BA 19337BA	KR KR	2011143941 10-2011-7026401	#EMPTY #EMPTY	Filed Filed	6-Apr-10 4 6-Apr-10 4		19337BARU10N 19337BAKRO9N	MONITORING EDC POLARIZATION INVERSE PILITE COEFFICIENTS TO DETITIFY REAL-INVERFICIAL INTRISCION INTO A CORE OR METRO OPTICAL INCTIVORIX MONITORING EDC POLARIZATION INVERSE PILITE COEFFICIENTS TO DETITIFY REAL-INVERFICIAL INTRISCION INTO A CORE OR METRO OPTICAL INCTIVORIX
19337BA	JP	2012-503778	HEMPTY	Filed	6-Apr-10	KEMPTY	19337BAJP08N	MONITORING EDC POLARIZATION INVERSE FILTER COEFFICIENTS TO IDENTIFY REAL-TIMEPHYSICAL INTRUSION INTO A CORE OR METRO OPTICAL INETWORK
19337BA	JP		HEMPTY	Filed	6-Apr-10	HEMPTY	19337BAJP12V	MONIFORMISED: POLABIZATION INVERSE FILTER COEFFICIENTS TO IDENTIFY REAL-TIMEPHYSICAL INTRILISON INTO A CORE OR METRO OPTICAL NETWORK
19337BA 19337BA	IN FP	6892/CHEMP/2011 10762287	#EMPTY #EMPTY	Filed Filed	6-Apr-10 4 6-Apr-10 4	EMPTY EMPTY	19337BAINO7N 19337BAEPO6T	MONITORING ECC POLARCATION INVESTE, FILLER COEFFICIENTS TO BEHTIFF FEAL TIMEPHYSICAL INTO A CORE OR METRO OPTICAL NETWORK MONITORING ECC POLARCATION INVESTE, FILLER COEFFICIENTS TO BEHTIFF FEAL TIMEPHYSICAL INTO A CORE OR METRO OPTICAL NETWORK
19337BA	CN	201080015289.4	#EMPTY	Filed	6-Apr-10	MEMPTY	19337BACN05N	MONITORING EDC POLARIZATION INVESS: FILTER COEFFICIENTS TO IDENTIFY REAL-TIMEPHYSICAL INTRASSION INTO A CORE OR METRO OPTICAL NETWORK
19337BA	CA	2,757,246		Filed	6-Apr-10	KEMPTY	19337BACADAN	MONITORING EDC POLARCATION INVESTE FILTER COEFFICIENTS TO BERTIETY REAL-TIMEPHYSICAL INTRUSION INTO A CORE OR METRO OPTICAL RETWOOK MONITORING EDC POLARCATION INVESTE FILTER COEFFICIENTS TO BERTIETY REAL-TIMEPHYSICAL INTO A CORE OR METRO OPTICAL RETWOOK
19337BA	DK	PI1014374-2	HEMPTY	Filed	6-Apr-10	ELMPIY	19337BABROGN	NO MINI DRIVES CLA PARAMATION INVESSE MILIER CREATERING TO LICE ROBERT REAL-HIRROPHISTAL BRITISTING IN LODG. UNITED BY OFFICEAR RETRYCING.

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19352RR	888A\\\\\\	10-2010-7028115	#EMPTY	Filed	15-May-09	#EMPTY	19352RFKROBN	METHOD AND SISTEM FOR TRANSMISSION OF FRAGMENTED PRICEES ON A PRICEE FARED COMMUNICATION NETWORK
19352RR	JP	2011-509496	5529117	Granted	15-May-09	25-Apr-14	19352RRJP07N	INSTITUTION AND ACTIVITIES OF PREAMMENTS OF
19352RR	IN	7356/CHENP/2010	HEMPTY	Filed		#EMPTY	19352RFINO6N	METHOD AND SISTEM FOR TRANSMISSION OF FRAGMENTED PROXETS ON A PACKET-BASED COMMUNICATION NETWORK
19352RR 19352RR	EP CN	9747000.9 200980128277.0		Filed Filed	15-May-09		19352RREPOST 19352RRCNO4N	METHOD AD SISTEM FOR TRANSISSION OF PROGRAPHED PACTES ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM FOR TRANSISSION OF PROGRAPHED PACTES ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM FOR TRANSISSION OF REAGAINATION DEVICES ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM FOR TRANSISSION OF REAGAINATION DEVICES ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM FOR TRANSISSION OF REAGAINATION DEVICES ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM OF TRANSISSION OF REAGAINATION DEVICES ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM OF TRANSISSION OF PROGRAPHED PACET ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM OF TRANSISSION OF PROGRAPHED PACET ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM OF TRANSISSION OF PROGRAPHED PACET ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM OF TRANSISSION OF PROGRAPHED PACET ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM OF TRANSISSION OF PROGRAPHED PACET ON A PACET-PASTO COMMUNICATION INTERVOOR METHOD AND SISTEM OF TRANSISSION O
19352RR	BR BR	PI0912609-0	HEMPTY	Filed	15-May-09 15-May-09		19352RREROSN	INCEPTION AND SYSTEM FOR TRANSMISSION OF PRAGMENTED PROJECTS ON A PRACHE FARSED COMMUNICATION NETWORK METHOD AND SYSTEM FOR TRANSMISSION OF PRAGMENTED PROJECTS ON A PRACHE FARSED COMMUNICATION NETWORK
19355RO	RU	2011128775	#EMPTY	Filed	2-Dec-09	EMPTY	19355RORU10N	WEB BASED ACCESS TO WIDEO ASSOCIATED WITH CALLS
19355RO	KR	10-2011-7017434	HEMPTY	Filed	2-Dec-09 2-Dec-09		19355ROKRO9N	HEE BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS HEE BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS
19355RO 19355RO	IP	2011-542906	#EMPTY #EMPTY	Filed Filed	2-Dec-09		19355ROJPOSN 19355ROJP13V	WEE BRISD ALLES TO VIEW DOOD ALL STOND ALL STOND ALLES TO VIEW DOOD AL
19355RO	IN	4344/CHENP/2011	#EMPTY	Filed	2-Dec-09	#EMPTY	19355ROIN07N	WEB BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS
19355RO	EP CV	9834186		Filed	2-Dec-09		19355ROEPO6T	WEB ASS D CCCSS TO VIDEO ASSOCIATED WITH CALLS
19355RO 19355RO	CA CA	200980157360.X 2,746,365		Filed Filed	2-Dec-09 2-Dec-09	#EMPTY	19355ROCNOSN 19355ROCAO4N	WRE BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS WRE BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS
19355RO	BR	PI0923538-8		Filed		#EMPTY	19355ROBRO3N	WEB BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS
19400RO	KR	10-2011-7004337		Filed		#EMPTY	19400ROKR09N	MULTILATER LOSS PROTECTION
19400RO 19400RO		2011-519247 2014-143732		Filed Filed	1-Jun-09 1-Jun-09	#EMPTY #EMPTY	19400ROJPOSN 19400ROJP10V	AVUTILATER LOSS PROTECTION AVUTILATER LOSS PROTECTION
19400RO	IN	549/CHENP/2011		Filed	1-Jun-09		19400ROIN07N	MULTILATER LOSS PROTECTION
19400RO	EP			Filed	1-Jun-09		19400ROEP06T	MULTILATER LOSS PROTECTION
19400RO 19400RO	ER .	200980137353.3 PI0916837-0	#EMPTY #EMPTY	Filed Filed	1-Jun-09		19400ROCNO5N 19400ROBRO4N	AUUILAIER LOS PROTECTION AUUILAIER LOS PROTECTION
19405RO	KR	10-2011-7002788	#EMPTY	Filed		#EMPTY	19405ROKR16N	MULTI-TOUGH TOUCHSCREEN INCORPORATING FEN TRACISING
19405RO	KR	10-2011-7002789	#EMPTY	Filed		#EMPTY	19405ROKR10N	MULTI-TOUCH TOUCHSCREEN INCORPORATING FEN TRACKING
19405RO 19405RO	JP IP	2011-517255 2011-517256	5411265 5346081		27-May-09 11-Jun-09	15-Nov-13 23-Aug-13	19405ROJP15N 19405ROJP09N	AULT-TOUCH TOUCHSCREEN INCORPORATING PEN TRACORNG AULT-TOUCH TOUCHSCREEN INCORPORATING PEN TRACORNG
19405RO	IN	109/DELNP/2011	#EMPTY	Filed	11-Jun-09	#EMPTY	19405ROINOSN	MULTI-DUCH TO ALL THE REPORT OF THE PROPERTY O
19405RO	IN .	PCT/IB2009/005741		Filed		#EMPTY	19405ROIN14N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING
19405RO 19405RO	EP FP	9794046.4 9794047.2		Filed Filed		#EMPTY #EMPTY	19405ROEP13T 19405ROEP07T	MULTI-TOUCH FOLICHSCREEN INCORPORATING FERI TRACINIGS MULTI-TOUCH FOLICHSCREEN INCORPORATING FERI TRACINIGS
19405RO	CN		HEMPTY	Filed		#EMPTY	19405ROCN06N	MULTI-FOUR TOURS/CEER IN CORPORATING FIRST TRACKING
19405RO	CN	200980135803.5		Filed		#EMPTY	19405ROCN12N	MULTI-TOUCH TOUCHSCREEN INCORPORATING FEN TRACKING
19405R0 19405R0		PI0915656-9 PI0915659-3	#EMPTY #EMPTY	Filed Filed	_	HEMPTY HEMPTY	19405ROBROSN 19405ROBR11N	MAUTH-TOUCH DOUCHSCREEN INCORPORATING PRI TRACIONIS MAUTH-TOUCH DOUCHSCREEN INCORPORATING PRI TRACIONIS
19412RO	KR		HEMPTY	Filed		#EMPTY	19412ROKR10N	PROTECTED LIGHT SOURCE FOR MULTIPLE WARELESTED MINISTRA COPPICA RETWORKS (WIDM PONS)
19412RO		2014-019429	HEMPTY	Filed	27-Mar-09		19412ROJP12V	PROTECTED LIGHT SOURCE FOR MULTIPLE WANGLENGTH DIVISION MULTIPLEXED PASSIVE OPTICAL NETWORKS (WDM PONS)
19412RO 19412RO		2011-501071 PCT/CA2009/00874	#EMPTY #EMPTY	Filed Filed		#EMPTY #EMPTY	19412ROJPO9N 19412ROJNOBN	PROTECTED USINT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIPLESED PASSINE OPTICAL INCTIVIORS (MIXIM PICAS) PROTECTED USINT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIPLESED PASSINE OPTICAL INCTIVIORS (MIXIM PICAS)
19412RO	EP	9725802.4	#EMPTY	Filed		#EMPTY	19412ROEP07T	TROUGH DOINT SHOWNER OF MICHIEL WATERSHIP HAVE AND
19412RO	CN	200980111151.1	HEMPTY	Filed	_	#EMPTY	19412ROCNOSN	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIPLEXED PASSIVE OPTICAL NETWORKS (WIDAY PORKS)
19412RO 19422RO	BR	PI0909474-1 2011122728	#EMPTY 2497289	Filed	27-Mar-09 3-Dec-09	#EMPTY 27-Oct-13	19412ROBROSN 19422RORUO9N	PROTECTED USENT SOURCE FOR INJUSTINE INVALEBUIST HI ONISION INJUSTINESSED PASSINE OPTICAL INCEPTIONS (YMON POINS) BANDWITH EFFICIENT INVERNOO AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCHIPTION IN A CONJUNICATIONS CHANNEL
19422RO	KR	2011122720	10-1255023	Granted	3-Dec-09	10-Apr-13	19422ROKR10N	UNIQUE TETRACE IN THE THOROUGH STATE OF THE TRACE OF THE THOROUGH AND A COMMUNICATIONS CHANGE. BENCHMITH FETER IN METHOD AND STATE OF THE TRACE OF THE THOROUGH AS COMMUNICATIONS CHANGE. BENCHMITH FETER IN THE THOROUGH STATE OF THE TRACE OF THE THOROUGH AS COMMUNICATIONS CHANGE. BENCHMITH FETER IN THE THOROUGH STATE OF THE THOROUGH AS COMMUNICATIONS CHANGE.
19422RO	JP	2014-137785	HEMPTY	Filed		¥EMPTY	19422ROJP14V	BANDWITH EFFORM METHOD AND SISTEM FOR DESCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL
19422RO 19422RO	JP no.	2011-542636 2361/KOUNP/2011	#EMPTY #EMPTY	Filed Filed		#EMPTY #EMPTY	19422ROJPOSN 19422ROJNO7N	BANDAMIN EFFICIENT INCENSION AND SYSTEM FOR OBSCURRING THE EXISTENCE OF ENCIRPTION IN A COMMUNICATIONS CHANNEL BANDAMIN EFFICIENT INCENSION AND SYSTEM FOR OBSCURRING THE EXISTENCE OF ENCIRPTION IN A COMMUNICATIONS CHANNEL
19422RO	EP	9835930	#EMPTY	Filed	3-Dec-09		19422ROEP06T	INFORMATION AND ADMINISTRATION OF THE PROPERTY
19422RO	CN	0	HEMPTY	Filed		#EMPTY	19422ROCN13V	BANDWITH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL
19422RO 19422RO	CN	200980154699.4 2,745,516		Granted Filled	3-Dec-09 3-Dec-09	2-Jul-14 HEMIDTY	19422ROCNO5N 19422ROCAO4N	BANDARTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE ERISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL BANDARTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE ERISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL
19422RO	BR BR	PI0923460-8	HEMPTY	Filed	3-Dec-09		19422ROBROSN	BANDWITH SPICENT METHOD AND STEEM OF DESCRIPTION THE EXISTENC OF ENCHYPTION IN A COMMUNICATIONS CHARACLE.
19459RN	WO OW	PCT/US2010/037733		Inactive	8-Jun-10		19459RMW002W	
19459RN 19459RN	RU	2011153500 PCT/US2010/037733	#EMPTY #EMPTY	Filed Filed	8-Jun-10 8-Jun-10	#EMPTY #EMPTY	19459RMRU10N 19459RMKRD9N	TECHNIQUES FOR ROUTING CRATA RETIVEEN NOT YOURS AREAS TECHNIQUES FOR ROUTING CRATA RETIVEEN NOT YOURS AREAS
19459RN	JP	2012-515053		Filed	8-Jun-10		19459RNJP08N	TECHNIQUES FOR ROUTING DATA EXPRESS NETWORK APES
19459RN	IN	8762/CHENP/2011		Filed	8-Jun-10		19459RMIN07N	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS
19459RN 19459RN	EP ON	10786672.5 201080025792.8		Filed Filed		#EMPTY #EMPTY	19459RMEPO6T 19459RMCNO5N	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS
19459RN	CA	2,764,632		Filed		#EMPTY	19459RNCA04N	TECHNIQUES FOR ROUTING DATA RETWEEN RETWORK AREAS
19459RN	BR	BR112012000198-1	HEMPTY	Filed		#EMPTY	19459RMER03N	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS
19466RO 19466RO	KR.	2011121621 10-2011-7009634	2517431 #EMPTY	Granted Filed	26-Oct-09 26-Oct-09	27-May-14 HEMPTY	19466RORU1ON 19466ROKROBN	PROMORE LINK STATE BROGRING (PLSE) COMPUTATION METHOD PROMORE LINK STATE BROGRING (PLSE) COMPUTATION METHOD
19466RO	JP	2013-209161	#EMPTY	Filed	26-Oct-09		19466ROJP1ZV	PROVIDER LIMIK STATE BRIDGING [PLS6] COMPUTATION METHOD
19466RO	JP	2011-533493	5385984		26-0ct-09	11-0ct-13	19466ROJPO7N	PROMOER LIMIX STATE BRIDGING (PLSS) COMPUTATION METHOD
19466RO 19466RO	IN FP	2902/CHENP/2011 9822924.8	#EMPTY #EMPTY	Filed Filed	26-Oct-09 26-Oct-09		19466ROINDEN 19466ROEPDST	PROMIDER LINK STATE BROGRING PLSG COMPUTATION METHOD PROMIDER LINK STATE BROGRING PLSG COMPUTATION METHOD
19466RO	CN	201410057341.2		Filed	26-Oct-09	#EMPTY	19466ROCN14V	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD
19466RO	CN	200980142982.5	200980142982.5		26-Oct-09	_		PROVIDES LIMIS STATE BRIDGING (PLSS) COMPUTATION METHOD
19466RO 19466RO	GR BR	2,742,775 PI0919634-0	#EMPTY #EMPTY	Filed Filed	26-Oct-09 26-Oct-09		19466ROCAO9N 19466ROBRO3N	PROVIDER LINK STATE BRODGING (PLSG) COMPUTATION METHOD PROVIDER LINK STATE BRODGING (PLSG) COMPUTATION METHOD
19486RO		10-2010-7027813	#EMPTY	Filed	12-May-09	#EMPTY	19486ROKROBN	A MECHANISM TO DIVERT AN IP FLOW OVER A NOMIP TRANSPORT
19486RO	JP	2013-244967		Filed	12-May-09		19485ROUP10V	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-PTRAISPORT
19486RO 19486RO	IN	2011-508780 7326/CHENP/2010	5425894 #EMPTY	Granted Filed	12-May-09 12-May-09		19486ROJP07N 19486ROJN06N	A MECHANISM TO DIVERT AN UP FLOW OVER A NOW-P TRANSPORT A MECHANISM TO DIVERT AN UP FLOW OVER A NOW-P TRANSPORT
19486RO	GB	808447.7	HEMPTY	Filed	12-May-08	#EMPTY	19485ROGB01P	A MECHANISM TO DIVEST AN IP FLOW OVER A KON-IP TRANSPORT
19486RO	EP	9745343.5		Filed	12-May-09		19486ROEP05T	A MCOMMISM TO DIVERT AN IP FLOW OVER A KNOWN TRANSPORT
19486RO 19486RO		200980127918.X PI0912641-4		Filed Filed	12-May-09 12-May-09		19485ROCNDAN 19485ROBRO3N	A MECHANISM TO DIMERT AND PROVY OVER A NOWNEY TRANSPORT A MECHANISM TO DIMERT AND PROVY OVER A NOWNEY TRANSPORT
19513ID	KR	10-2011-7005821	#EMPTY	Filed	22-Jun-09	#EMPTY	19513IDKROSN	PROTECTION FOR PROVIDER BACKBONE BRIDGE TRAFFIC ENGINEERING
19513ID	JP	2011-526880	5485998		22-Jun-09		19513IDJP07N	PROTECTION FOR PROVIDER BACKSONE EMIDGE TRAFFIC ENGINEERING
19513ID 19513ID	IN EP	1592/CHENP/2011 9813399.4		Filed Filed	22-Jun-09 22-Jun-09		19513IDINO6N 19513IDEPOST	PROTECTION FOR PROVIDER BAJORSONE ERROGE TRAFFIC ENGINEERING PROTECTION FOR PROVIDER BAJORSONE ERROGE TRAFFIC ENGINEERING
19513ID	CN	200980135626.0	HEMPTY	Filed	22-Jun-09		19513IDCN04N	FRONCEIN OF REPORTURE BACKGOOK BEGINNERS AND
19513ID	CA	2,735,000		Filed		#EMPTY	19513IDCA03N	PROTECTION FOR PROVIDER BACKBOINE ERRIDGE TRAFFIC ENGINEERING
19551RO 19551RO	KR FP	10-2011-7012193 9878494.6		Filed Filed	*******	#EMPTY #EMPTY	19551ROKRO7N 19551ROEPO6T	IN-BAND SIGNALLING FOR POINT POINT PROTETPROTECTION SWITCHING IN-BAND SIGNALLING FOR POINT POINT PACET PROTECTION SWITCHING
19551RO	CN	200980147788.6	#EMPTY	Filed	30-Nov-09	#EMPTY	19551ROCNOSN	IN-BAND SIGNALLING FOR POINT-POINT PROTECTION SWITCHING
19551RO	CA	2,744,272		Filed		#EMPTY	19551ROCAO4N	INSEND SAMULIUS FOR POINT PROSET PROTECTION SWITCHING
19567ID	WO	PCT/GB2010/001632	REMPTY	Inactive	27-Aug-10	#EMPTY	тээрчимд05М	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANNES IN A CONTACT CENTIFE

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19567ID 19567ID	RU KR	2012111980 10-2012-7007883	#EMPTY #EMPTY	Filed Filed	_ *	HEMPTY HEMPTY	19567IDRU10N 19567IDKRO9N	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHAMMES IN A CONTACT CENTRE METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHAMMES IN A CONTACT CENTRE
19567ID	JP	2012-526117		18195 Granted	27-Aug-10	11-Apr-14	19567IDJP08N	METHOD ARE STEER FOR CONTROLLED C
19567ID	IN	1647/CHENP/2012	HEMPTY	Filed		HEMPTY	19567IDINO7N	METHOD AND SISTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANNESS IN A CONTACT CENTRE
19567ID	EP CN	10752604.8		Filed	27-Aug-10		19567IDEPOST	METHOD AND SYSTEM FOR CONTINUUME STANDARDHATO OF COMMUNICATION CHARACTES AN CONTACT CENTRE METHOD AND SYSTEM FOR CONTINUUME STANDARDHATO OF COMMUNICATION CHARACTES AND CONTACT CENTRE METHOD AND COSTA OF COMMUNICATION CHARACTER AND ADMINISTRATION ADMINISTRATION CHARACTER AND CONTACT CENTRES
19567ND 19567ND	CA	201080038229.4 2,771,197		Filed Filed	27-Aug-10 27-Aug-10		19567IDCNOSN 19567IDCAD4N	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION GHANNES IN A CONTACT CONTRE METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANNES IN A CONTACT CONTRE
19567ID	BR	BR11 2012 004481.8	HEMPTY	Filed	27-Aug-10		19567IDEROSN	METHOD AND SISTEM FOR CONTROLLING ESTABLISHMENT OF CONMUNICATION CHANNELS IN A CONTACT CENTRE
19570RR	KR	10-2011-7002385	HEMPTY	Filed		KEMPTY	1957ORFKROSN	SEGNALING OF THE OFFSET PARAMETERS FOR THE FORLANDA FOR LINKAGE BETWEEN PUSCH MCS AND ANOUNT OF RESOURCES USED FOR CONTROL
19570RR 19570RR	JP IN	2011-516819 4742/KOUNP/2010	#EMPTY #EMPTY	Filed Filed	30-Jun-09 30-Jun-09		19570RRIPO7N 19570RRINO6N	SIGNALING OF THE OPPSET PARAMETERS FOR THE FORMULA FOR UNIXAGE BETWEEN PUSCH MCS AND ANOUNT OF RESOURCES USED FOR CONTROL SIGNALING OF THE OPPSET PARAMETERS FOR THE FORMULA FOR UNIXAGE BETWEEN PUSCH MCS AND ANOUNT OF RESOURCES USED FOR CONTROL
19570RR	EP	9774349.6		Filed	30-Jun-09		1957ORREPOST	Jacobianus et III. OFFICE PERMINE LICENTO IN THE TORIOUNDE PERMINE DE LICENT
19570RR	CN	200980125232.7	HEMPTY	Filed	30-Jun-09	KEMPTY	19570RRCNO4N	SIGNALING OF THE OFFSET PARAMETERS FOR THE FORUNTLA FOR LINKAGE BETWEEN PUSCHMCS AND AMOUNT OF RESOURCES USED FOR CONTROL
19570RR		PI0913636-3	HEMPTY	Filed	30-Jun-09		1957ORRERO3N	SIGNALIZADE OF THE OFFSET PARAMETERS FOR THE FORLANDA FOR LINKAGE BETWEEN PUSICHMCS AND AMOUNT OF RESOURCES USED FOR CONTROL
19587ND 19587ND	WO RU	PCT/CA2010/000826 2011153021	#EMPTY #EMPTY	Inactive Filed		HEMPTY HEMPTY	19587IDW002W 19587IDRU10N	PERSONAL STATUS COMMUNICATIONS MAINEER PERSONAL STATUS COMMUNICATIONS MAINEER
19587ID	KR	10-2011-07031594	#EMPTY	Filed		HEMPTY	19587IDKR09N	PERSONAL STATUS COMMUNICATIONS MANAGER
19587ID	JP	2012-517984	#EMPTY	Filed	7-Jun-10		19587IDJP08N	PERSONAL STATUS COMMUNICATIONS MANAGER
19587ID 19587ID	IN co	9948/CHENP/2011 10793453.1	#EMPTY #EMPTY	Filed Filed	7-Jun-10 7-Jun-10	KEMPTY KENDTY	19587IDINO7N 19587IDEPO6T	PRESONAL STATUS COMMUNICATIONS IMMAGER PRESONAL STATUS COMMUNICATIONS IMMAGER
19587ID	CN	201080038550.2		Filed	7-Jun-10		19587IDEPG61	PRISONAL STATUS COMMUNICATIONS PROVINCE PRISONAL STATUS COMMUNICATIONS SHAPER PRISONAL STATUS COMMUNICATIONS SHAPER PRISONAL STATUS COMMUNICATIONS SHAPER
19587ID	CA	2,776,798		Filed		EMPTY	19587IDCAD4N	PERSONAL STATUS COMMUNICATIONS MANAGER
19587ID	BR	PI1013953-2	HEMPTY	Filed		EMPTY	19587IDBROGN	PERSONAL STATUS COMMUNICATIONS MANAGER
19597RO 19597RO	RU KR	2011126897 10-2011-7015364	#EMPTY #EMPTY	Filed Filed		HEMPTY HEMPTY	19597RORU11N 19597ROKROSN	MULTIPLE RECUMDANT GNSS SYNCHRONDCATION SYSTEM MULTIPLE RECUMDANT GNSS SYNCHRONDCATION SYSTEM
19597RO	JP	2011-538813	HEMPTY	Filed		HEMPTY	19597ROJP07N	INCURED ACCORDING TO STATE OF THE PROPERTY OF
19597RO	JP	2014-212585	HEMPTY	Filed		KEMPTY	19597ROJP12V	MULTIPLE REDUNDANT GNSS SYNCHRONIZATION SISTEM
19597RO	IN co		HEMPTY	Filed		HEMPTY	19597ROIN06N	MUTHER EFUNDANT OSS SYNCHRONZATION SYSTEM
19597RO 19597RO	CN CN		#EMPTY #EMPTY	Filed Filed		KEMPTY KEMPTY	19597ROEPOST 19597ROCNDAN	MULTIPLE RECUMENANT GNSS SYNCHRONIZATION SISTEM MULTIPLE RECUMENANT GNSS SYNCHRONIZATION SISTEM
19597RO 19597RO	CA	2,745,369		Filed		EMPTY	19597ROCA10N	MOUTHER EQUIPMENT SESS SYNCHROMATION STEEM MUTHER EQUIPMENT SESS SYNCHROMATION STEEM MOTOR STEEMS
19597RO	BR	PI0923156-0	HEMPTY	Filed		HEMPTY	19597ROBRO3N	MULTIPLE REDUNDANT GNSS SYNCHRONIZATION SISTEM
19500RO	WO.		HEMPTY	Inactive		HEMPTY		UTILIZING BETWEENNESS TO DETERMINE FORWARDING STATE IN A ROUTED INCTIVORK
19600RO 19600RO	EP CN	10791108.3 201080028258.2		Filed Filed		HEMPTY HEMPTY	19600ROEPOST 19600ROCNOAN	LUTLIDING BET WEENINGS TO DETERMINE FORMARDING STATE IN A ROUTED NETWORK Utilizing bet weenings to determine formarding state in a routed network Utilizing bet weenings to determine formarding state in a routed network
19604DE	WO WO		HEMPTY	Inactive		EMPTY		Unitative international for international control of the properties of the propertie
19604DE		2012-7002666	#EMPTY	Filed		EMPTY		DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER
19604DE	JP	2012-519855		24136 Granted	14-Jul-10	3-0ct-14		DEVICE PROGRAMMABLE RETWORK BASED PACKET RITER
19604DE 19604DE	GR.	129/CHENP/2012 10169393.5	#EMPTY 2 276 277	Filed Granted	14-Jul-10 13-Jul-10	HEMPTY 21-Aug-13	19604DEIN10N 19604DEGB15E	DENCE PROGRAMMALE NETWORK BASED PACIET RILITIS DENCE PROGRAMMALE NETWORK BASED PACIET RILITIS
19604DE	FR	10169393.5	2 276 277	Granted	13-Jul-10	21-Aug-13		DECEMBER OF THE PROPERTY OF TH
19604DE	EP	10169393.5	2 276 277	Inactive	13-Jul-10	21-Aug-13	19604DEEP03E	DEVICE PROGRAMMABLE NETWORK BASED PACNET FILTER
19604DE	DE	6.0201E+11	2 276 277	Granted	13-Jul-10	21-Aug-13	19604DEDE13E	DEVICE PROGRAMMABLE NETWORK BASED PACKET RITER
19604DE 19604DE	CA	201080038824.8 2,767,454		Filed Filed		HEMPTY HEMPTY	19604DECNO9N 19604DECAD9N	DENCE PROGRAMMALE NETWORK BASID PACKET RITER DENCE PROGRAMMALE NETWORK BASID PACKET RITER
19657RR	RU	2011127316	HEMPTY	Filed		KEMPTY	19657RRRU10N	SECTION CONTROL TO THE BOARD THE SECTION SEC
19657RR	KR	10-2011-7017276	#EMPTY	Filed		HEMPTY	19657RRKR09N	SELECTIVE DATABASE REPUKATION
19657RR 19657RR	JP III	2011-541637 4227/CHENP/2011	#EMPTY	14834 Granted Filed	22-Dec-09 22-Dec-09	4-Apr-14	19657RRIPOSN 19657RRINO7N	SELECTIVE DATABASE REPUGATION SELECTIVE DATABASE REPUGATION
19657RR	FP FP	9834198.5		Filed	22-Dec-09		19657RREP06T	SICLAL VICTORISMS PERSONATION SECRET BASES SERVICES SERVI
19657RR	CN	201410439361.6		Filed	22-Dec-09		19657RRCN11V	SELECTIVE DATABASE REPLICATION
19657RR	CN	200980151932.3		Filed	22-Dec-09		19657RRCN05N	SELECTIVE DATABASIS FERLICATION
19657RR 19657RR	CA DD	2,745,683 PI0923479-9	#EMPTY #EMPTY	Filed Filed	22-Dec-09 22-Dec-09		19657RRCAQ4N 19657RRERD3N	SELECTIVE CATABASE REPUCATION SELECTIVE CATABASE REPUCATION
19670RR	RU	2011131697		Filed	22-Dec-09		19670RRRU09N	AULENT HOMBOUR PERSONN COLABORATION ACRES TO THE COLABORATION COLABORA
19670RR	KR	10-2011-7015076	#EMPTY	Filed	22-Dec-09	HEMPTY	1967ORFKR1ON	COLLABORATION AGENT
19670RR	JP 	2011-542913	HEMPTY	Filed	22-Dec-09		1967ORRIPOSN	COLLAGORATION AGENT
19670RR 19670RR	IN	2014-194508 3947/CHENP/2011	#EMPTY #EMPTY	Filed Filed	22-Dec-09 22-Dec-09		19670RRIP12V 19670RRINO7N	COLLABORATION AGENT COLLABORATION AGENT
19670RR	EP	9836145.4		Filed	22-Dec-09		1967ORREPOST	COLLAGORATION AGENT
19670RR	CA	2,745,472	HEMPTY	Filed	22-Dec-09	KEMPTY	1967ORRCADAN	COLLABORATION AGENT
19570RR	BR PD	PI0923823-9	#EMPTY #EMPTY	Filed	22-Dec-09		19670RRERO3N 19677BAKRO9N	COLLAGORATION ACENT COLLAGORATION ACENT COLLAGORATION ACCOUNT ACCOUN
19677BA 19677BA	JP	10-2011-7005690 2011-526881	HEMPTY HEMPTY	Filed Filed	20-Jul-09 20-Jul-09		19677BAKNU9N 19677BAJP08N	LUTLIBING OPTICAL RIPPASS LINKS IN A COMMUNICATION NETWORK UTILIBING OPTICAL RIPPASS LINKS IN A COMMUNICATION NETWORK
19677BA	IN	1589/CHENP/2011	HEMPTY	Filed	20-Jul-09		19677BAIN07N	UMBBING OFFICE AND INCOME OFFICE OFFI
19677BA	GB.	9813404.3		Granted	20-Jul-09		19677BAGB14T	UTILIZING OPTICAL BYPASS UNKS IN A COMMUNICATION NETYYORK
19677BA 19677BA	FR FP	9813404.3 13182752.9		Granted Filed	20-Jul-09 20-Jul-09		19677BAFR13T 19677BAEP11V	LITLIDING OPPICAL BYPASS LIMIS IN A COMMAUNICATION NETHYORK UTILIDING OPPICAL BYPASS LIMIS IN A COMMAUNICATION NETHYORK
19677BA	EP	9813404.3		Inactive	20-Jul-09		19677BAEP11V 19677BAEP06T	UNIDERS OFFICE OFFIS DESIGN AT COMMONICATION RETIYON. UNIDERS OFFICE DESIGN DATA COMMONICATION RETIYON. UNIDERS OFFICE DESIGN DATA COMMONICATION RETIYON.
19677BA	DE	9813404.3		Granted	20-Jul-09	4-Sep-13		UTILIZING OPTICAL BYPASS UINIS IN A COMMUNICATION NETWORK
	CN		HEMPTY	Filed			19677BACN05N	UNILIBING PRICAL BYPAS LIBINS IN A COMMUNICATION NETWORK
19677BA 19679RO		PI0918728-6 PCT/CA2010/000967	#EMPTY #EMPTY	Filed Inactive	20-Jul-09 23-Jun-10			LITILIZING GOPTICAL BIPPASS LIMIS NI A COMMALUNCATION NETWORK MOBILE FAST ALERTING
19679RO		2012-516448		76935 Granted	23-Jun-10			MODILE FAT ALERTING MODILE FAT ALERTING
19679RO	EP	10791107.5	HEMPTY	Filed	23-Jun-10	EMPTY	19679ROEP03T	MOBILE FAST ALERTINS
19697ID	WO OW		HEMPTY	Inactive		EMPTY		DUAL NODE BASE STATION
19697ID 19697ID	RU KR	2013130003 10-2013-7013047	#EMPTY #EMPTY	Filed Filed		HEMPTY HEMPTY	19697IDRU10N 19697IDKRO9N	DAIAL MODE ENSES STATION DUAL MODE ENSES STATION
19697ID	JP		#EMPTY	Filed		KEMPTY	19697IDKNJ9N 19697IDJPOSN	DOME NOTICE SHIS STATION DUBLE NOTICE SHIS STATION DUBLE NOTICE SHIS STATION
19697ID	IN	4313/DELNP/2013	HEMPTY	Filed	28-Nov-11	KEMPTY	19697IDIN07N	DUAL MODE BASE STATION
19697ID	EP		HEMPTY	Filed		EMPTY	19697IDEPOST	DUAL MODE BASE STATION
19697ID 19697ID	CA CA	201180058177.1 2.817.195		Filed Filed		HEMPTY HEMPTY	19697IDCNOSN 19697IDCADAN	DUAL MODE EASE STATION DUAL MODE EASE STATION
19697ID	BR	2,817,195 BR112013013006.7	HEMPTY	Filed		REMPTY	19697IIDEROSN	DORN ROUGH SMS SYNLIN DURAL NOTE SMS STATION DURAL NOTE SMS STATION
19699RO	KR	10-2011-7009756	#EMPTY	Filed	1-0ct-09	HEMPTY	19699ROKRO9N	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING
19699RO	JP		HEMPTY	Filed		KEMPTY	19699ROJPOSN	TECHNOLICES FOR TIME TRANSFER VIA SIGNAL ENCODING
19699RO 19699RO	IN FP		#EMPTY #EMPTY	Filed Filed		KEMPTY KEMPTY	19699ROIN07N 19699ROEP06T	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING
19699RO	CN	200980146216.6			1-0ct-09	23-Apr-14		TECHNOLOGIC FOR HEAVER WAS ASSESSED.

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19699RO	CA	2,744,578		Filed		EMPTY	19699ROCA10N	TECHNICALS FOR TIME TRANSFER VIA SIGNAL EXCOUNG
19699RO 19700RO	BR wn	PI0920785-6 PCT/CA2010/000534	#EMPTY #EMPTY	Filed Inactive		EMPTY Empty	19699ROBROAN 19700ROWOOZW	TRCONLOURS FOR TIME TRANSFER VIA SIGNAL ENCODING BHHANCED COMMANICATION BRIDGE
19700RO	JP	2012-508840		23551 Granted		18-Apr-14	19700ROJP07N	LOWING COMMUNICATION BRIDGE EMBANCED COMMUNICATION BRIDGE
19700RO	EP	10761160		Filed	9-Apr-10 #6	EMPTY	19700ROEP06T	EMHANCED COMMUNICATION SPILOSE
19700RO 19700RO	CN CA	201080025387.6 2,758,194		Filed Filed		EMPTY Empty	19700ROCNOSN 19700ROCAO4N	BAHAKED COMMUNICATION BRIDGE BHAHKED COMMUNICATION BRIDGE
19700RO	AU	2010234200		Filed		EMPTY	19700ROAU03N	DBHAKED COMMUNICATION BRIDGE
19702RO	WO OW		#EMPTY	Filed	_	EMPTY	19702ROWO02W	METHOD AND APPRATUS FOR IMPLEMENTING CONTROL OF MULTIPLE PHYSICALLY DUAL HOMEDIEFICES
19702RO 19702RO	EP CN	10788566.7 201080036548.1	#EMPTY #EMPTY	Filed Filed		EMPTY Empty	19702ROEP04T 19702ROCN03N	METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF INLITING PHYSICALLY DAIL HOMEODENICGS METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF INLITING PHYSICALLY DAIL HOMEODENICGS
19728ID	WO	PCT/EP2010/058883	HEMPTY	Inactive	23-Jun-10 #6	EMPTY	19728IDW002W	AMALYSIS OF PACKET-BASED VIDEO CONTENT
19728ID 19728ID	RU	2012101492 10-2012-7002095	#EMPTY #EMPTY	Filed		EMPTY Empty	19728IDRU10N 19728IDKROGN	ANALYSS OF PROTET RASED WIDEO CONTENT ANALYSS OF PROTET RASED WIDEO CONTENT
19728ID		2012-516710	#EMPTY	Filed Filed			19728IDJP08N	INVESTIGATE AND THE PROPERTY OF THE PROPERTY O
19728ID	IN	9897/CHEMP/2011	#EMPTY	Filed	_	EMPTY	19728IDIN07N	ANALYSS OF PROCET-BEASED VIDEO CONTENT
19728ID 19728ID	EP CN	10728192.5 201080029563.3	HEMPTY HEMPTY	Filed Filed	_	EMPTY EMPTY	19728IDEP06T 19728IDCN06N	ANALYSS OF PROJET GASED VIDEO CONTENT ANALYSS OF PROJET GASED VIDEO CONTENT
19728ID	CA	2,766,289		Filed	_	EMPTY	19728IDCA04N	ANALYSIS OF PROCESSOR UNDER CONTENT
19728ID		PI1015024-2	HEMPTY	Filed	-	EMPTY	19728IDBROSN 19733ROWOOTW	ANALYSS OF PROCEET & 64SED VIDEO CONTENT
19733RO 19733RO	KR KR	PCT/US2011/059969 10-2014-7015562	#EMPTY #EMPTY	Inactive Filed		EMPTY EMPTY	19733ROWOUIW 19733ROKROSN	METHOD AND SISTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE METHOD AND SISTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE
19733RO	JP	2014-541016	HEMPTY	Filed	9-Nov-11 #8	EMPTY	19733ROJP07N	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE
19733RO 19733RO	IN .	3918/CHEMP/2014 11787982.5	HEMPTY HEMPTY	Filed Filed		EMPTY Empty	19733ROIND6N 19733ROEP05T	METHOD AND SISTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DRIVE METHOD AND SISTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DRIVE
19733RO	CN	201180076216.0	#EMPTY	Filed		EMPTY	19733ROCN04N	INSTITUTION STATES OF THE PROPERTY OF THE PROP
19733RO	CA	2,854,723	HEMPTY	Filed	9-Nov-11 #6	EMPTY	19733ROCAGSN	METHOD AND SISTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE
19733RO 19743RO	BR RU	BR112014011071-9 2011120064	#EMPTY 2.51	Filed 6,321 Granted		EMPTY 24-Mar-14	19733ROBROZN 19743RORU11N	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE USER EQUIPMENT CENTRIC CILISTERING METHOD SUITABLE FOR CONDINATED MULTI-POINT TRANSMISSION AND RECEPTION
19743RO	KR	2011-7009760	HEMPTY	Filed		EMPTY	19743ROKROBN	LUSER EQUIPMENT CENTRIC CLUSTERING METHOD SUITHABLE FOR CONDINABLED MALT-POINT TRANSMISSION AND RECEIPTION
19743RO	JP ID		HEMPTY	Filed		EMPTY	19743ROJP12V	LISER EQUIPMENT CENTRIC COLUSTERING METHOD SUITABLE FOR COORDINATED MULT-POINT TRAISANSSION AND RECEIPTION
19743RO 19743RO	JP IN	2011-533499 2584/CHEN/2011	541 HEMPTY	10535 Granted Filled		15-Nov-13 EMPTY	19743ROJPO7N 19743ROJNO6N	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUTFAGE FOR COORDINATED MULT-POINT TRANSINSSION AND RECEPTION USER EQUIPMENT CENTRIC CLUSTERING METHOD SUTFAGE FOR COORDINATED MULT-POINT TRANSINSSION AND RECEPTION
19743RO	EP		HEMPTY	Filed	3-Nov-09 #6		19743ROEP05T	USER EQUIPMENT CENTRIC CILISTERING METHOD SUITABLE FOR COORDINATED MULT-POINT TRANSMISSION AND RECEIPTION
19743RO	CN	20140102639	#EMPTY	Filed		EMPTY	19743ROCN13V	USER COLUMENT CENTRIC CUSTERING METHOD SUTTABLE FOR CORSONATED MULT-POINT TRANSMISSION AND RECEIPTION
19743RO 19743RO	CN CA	200980144238.9 2,742,574		238.9 Granted Filed	3-Nov-09 3-Nov-09 #8	2-Apr-14 EMPTY	19743ROCN04N 19743ROCA10N	USER COUPMENT CENTIFIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION USER COUPMENT CENTIFIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION
19743RO	BR	PI0921688-0	HEMPTY	Filed	3-Nov-09 #8	EMPTY	19743ROER03N	USER FOUPMENT CENTRIC CILISTERING METHOD SUITABLE FOR COORDINATED MULT-POINT TRAISMISSION AND RECEIPTION
19747BA	RU	2011119536	#EMPTY #EMPTY	Filed		EMPTY EMPTY	19747BARU11N	SERVICE INSTANCE PHPLIED TO MYPS NETWORKS FUNDATION THAT OF FUNDATION THAT OF THE PROPERTY OF
19747BA 19747BA	JP		#EMPTY	Filed Filed	5-Nov-09 #6 5-Nov-09 #6		19747BAKRO9N 19747BAJP15V	SERVICE INSTAUCE APPLIED TO MAIS INSTAUCE APPL
19747BA	JP	2011-536393	563	35523 Granted			19747BAJP08N	SERVICE INSTANCE APPLIED TO MPIS NETWORKS
19747BA 19747BA	IN co	2115/CHEMP/2011 9826575.4	HEMPTY HEMPTY	Filed Filed	5-Nov-09 #6 5-Nov-09 #6			SERVICE INSTAUCE APPLIED TO MPS INSTAUCE APPLIED TO
19747BA	CN	201410196500.7		Filed	5-Nov-09 #6		19747BACN12V	
19747BA	CN	200980145336.4		Filed	5-Nov-09 #6			SERVICE INSTANCE APPULDE TO MPLS METWORKS
19747BA 19747BA	CA BR	2,742,735 PI0921878-5	#EMPTY #EMPTY	Filed Filed	5-Nov-09 #6 5-Nov-09 #6		19747BACALON 19747BABROAN	SERVICE INSTAUCE APPLIED TO MAIS INSTAUCE APPL
19757ID			#EMPTY	Inactive	22-Jan-10 #6			METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOOKING
19757ID	RU	2012125038		10089 Granted	-	20-Mar-14	19757IDRU10N	METHOD, ARRAGEMENT AND COMPUTER PROCEASE PROCESSES.
19757ID 19757ID			#EMPTY #EMPTY	Filed Filed	22-Jan-10 #6 22-Jan-10 #6	EMPTY	19757IDKROGN 19757IDJPO8N	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOSSING METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOSSING
19757ID	IN	5028/CHENP/2012	HEMPTY	Filed	22-Jan-10 #8	EMPTY	19757IDIN07N	METHOD, ARRANGEMENT AND COMPUTER PROSRAM PRODUCT FOR CLOCKING
19757ID 19757ID	EP CN	10704912.4 201080055565.X	#EMPTY #EMPTY	Filed Filed		EMPTY Empty	19757IDEPOGT 19757IDCNOSN	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING
19757ID	CA	2,782,855		Filed		EMPTY	19757IDCA04N	METHOD, ARRANGER THA DO COMPUTE PROCRAM PRODUCT SOLUTIONS
19757ID	BR		HEMPTY	Filed		EMPTY 42	19757IDBROGN	METHOD, ARRANGENENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING
19769RO 19769RO	KR Kr	2011126267 10-2011-7015174	249 #EMPTY	93648 Granted Filed	26-Nov-09 26-Nov-09 #6	20-Sep-13 EMPTY	19769RORU1ON 19769ROKRO9N	FREQUENCY AGUE FRUTR USING A DIGITAL FILTER FREQUENCY AGUE FRUTR USING A DIGITAL FILTER
19769RO		2011-537806	546	54719 Granted	26-Nov-09	31-Jan-14	19769ROJP08N	FREQUENCY AGUE FRUTR USING USING A DISTRAL PUTER
19769RO 19769RO	IN CO		#EMPTY	Filed		EMPTY EMPTY	19769ROIN07N	FREQUENCY AGLE FULTER USING A DIGITAL FULTER FREQUENCY AGLE FULTER USING A DIGITAL FULTER
19769RO 19769RO	CN	9829910.1 200980156269.6	HEMPTY HEMPTY	Filed Filed		EMPTY	19769ROEPO6T 19769ROCNOSN	HEQUENCY AGUE PULEY LONG COMP A LOTGINA. PULEX FREQUENCY AGUE PULEY LONG
19769RO	CA	2,745,047	#EMPTY	Filed		EMPTY	19769ROCAO4N	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER
19769RO 19776RO	BR Wn		#EMPTY #EMPTY	Filed Inactive		EMPTY EMPTY	19769ROBROSN 19776ROWOOW	FREQUENCY AGUE FRUTR USING A DISTRA FILTER METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF COMMECTINITY ACROSS MULTIPLE NETWORK AREAS
19776RO	RU		#EMPTY	Filed		EMPTY	19776RORU12V	INCTRICUSION PREVAINTUS FOR EXCHANGING DOUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIONIT ACCOSS MULTIFIER RETRICOR, REACHS METHOD AND APPARATUS FOR EXCHANGING DOUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIONITY ACROSS MULTIFIER DETRICORK AREAS
19776RO	RU		#EMPTY ~~	Filed		EMPTY	19776RORU13V	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
19776RO 19776RO	KR.	2012116597 2012-7011829	#EMPTY	07698 Granted Filled		20-Feb-14 EMPTY	19776RORU10N 19776ROKR09N	METHOD AND APPARATUS FOR EICHANGRIG ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE METHORIK AREAS METHOD AND APPARATUS FOR EICHANGRIG ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE METHORIK AREAS
19776RO	JP	2012-532428	#EMPTY	Filed	6-Oct-10 #6	EMPTY	19775ROJPOSN	METHOD AND APPARATUS FOR EICHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
19776RO 19776RO	IN Ep	819/KOLNP/2012 10821520.3	#EMPTY #EMPTY	Filed	6-0ct-10 #6			METHOD AND APPARATUS FOR EICHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF COMMECTIVITY ACROSS MULTIPLE NETWORK AREAS METHOD AND APPARATUS FOR EICHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF COMMECTIVITY ACROSS MULTIPLE NETWORK AREAS
19776RO	CN	201080054800.1		Filed Filed	6-Oct-10 #6			MRI HOU AND APPARATUS KIR EXCHANGING MOUTHS INFORMATION AND THE ESTABLISHMENT OF CONNECTIONT ACCOSS MULTIPLE INCTIONS AREAS METHOD AND APPARATUS FOR EXCHANGING INCOMMEND AND THE ESTABLISHMENT OF CONNECTIONT ACCOSS MULTIPLE INCTIONS AREAS
19776RO	CA	2,776,895	HEMPTY	Filed	6-Oct-10 #6	EMPTY	19776ROCA04N	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF COMMECTIVITY ACROSS MULTIPLE NETWORK AREAS
19776RO 19785RO	BR RLI	BR112012007996-4 2011126268	#EMPTY 749	Filed 93649 Granted			19776ROBROSN 19785RORU10N	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF COMMECTIVITY ACROSS MULTIPLE NETWORK AREAS DOP BASED FROUVENCY ACIDE PUTER USING MEGATINE GROUP DELAY
19785RO	KR		#EMPTY	Filed	_	ZU-SEIP IS EMPTY	19785ROKRO9N	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY
19785RO	JP	2011-537806		20395 Granted		26-Sep-14	19785ROJPOSN	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY
19785RO 19785RO	IN EP	4439/DELNP/2011 9829909.2	#EMPTY #EMPTY	Filed Filed	-	EMPTY EMPTY	19785ROIN07N 19785ROEP06T	DOP BASED PREQUENCY ASILE PRITER USING RESATING SOLUP DELAY DOP BASED PREQUENCY ASILE PRITER USING RESATING SOLUP DELAY
19785RO	CN	200980156268.1	HEMPTY	Filed	26-Nov-09 #6	EMPTY	19785ROCNOSN	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY
19785RO	CA DD	2,745,003	#EMPTY #EMPTY	Filed		EMPTY	19785ROCA04N 19785ROGROSN	DP BASE PREQUENCY ACILE PILLER USING NESATIVE GROUP DELAY
19785RO 19792RO	KR KR	PI0922765-2 10-2011-7009138	#EMPTY #EMPTY	Filed Filed	26-Nov-09 #6 18-Sep-09 #6	EMPTY Empty	19785ROBROSN 19792ROKRO7N	COP BASED FREQUENCY ASSILE FIXTER USING RESAMINE GROUP DELAY METHOD AND SISTEM FOR SPACE COCE TRANSAMIT DIRECTIVE OF PLACEH
19792RO	JP	2011-527169	553	39362 Granted	18-Sep-09	9-May-14	19792ROJP06N	METHOD AND SYSTEM FOR SPACE COCE TRANSMIT DIVERSITY OF PUCCH
19792RO 19792RO	IN FD	2480/DELMP/2011 9813951.2	HEMPTY HEMPTY	Filed Filed	18-Sep-09 #6 18-Sep-09 #6		19792ROINO5N 19792ROEP04T	METHOD AND SYSTEM FOR SPACE COCE TRANSANT DIRECTOR OF PLACEH METHOD AND SYSTEM FOR SPACE COCE TRANSANT DIRECTOR OF PLACEH
	CN CN	9813951.2 201410482720.6		Filed	18-Sep-09 #6			METHOD AND SYSTEM FOR SPACE CICE TRANSMIT DIREIGHT OF PUCCH METHOD AND SYSTEM FOR SPACE CICE TRANSMIT DIREIGHT OF PUCCH
19792RO								

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19792RO 19792RO	CN BR	200980146406.8 PI0919005-8	200980146406.8 #EMPTY	Granted Filed	18-Sep-09 18-Sep-09	#EMPTY #EMPTY	1979ZROCNOSN 1979ZROBROZN	MICTROD AND SYSTEM FOR SPACE COCE TRANSMIT DRESSITY OF PUCCH MICTROD AND SYSTEM FOR SPACE COCE TRANSMIT DRESSITY OF PUCCH
19801ff	EP	6788905.5		Filed	28-Jul-06		19801IYEP04T	SCONENTED RETWORK DEPAITY MANAGEMENT
19802ff	EP	7869161.5		Filed		#EMPTY	19802IYEP04T	DOTRIBUTED NETWORK LEENTIN WANGERHENT AND THE PROPERTY WANGERHENT WANGERHENT AND THE PROPERTY WANGERHEN WAS AND THE PROPERTY WANGERHEND WAS AND THE PROPERTY WAS AND THE PROPER
19822RO 19822RO			#EMPTY #EMPTY	Inactive Filed	13-Jul-11 13-Jul-11	#EMPTY		BIOLODIAND COMERTY AMPLIER USING BIOLOGIAND TRANSFORMER BIOLODIAND COMERTY AMPLIER USING BIOLOGIAND TRANSFORMER
19822RO		2014-519354	HEMPTY	Filed	13-Jul-11	¥EMPTY	19822ROJP04N	BIOLADBAND COMERTY AMPLIFIED USING BROADBAND TRANSFORMER
19822RO 19822RO	EP CN	11869485 201180072228.6		Filed Filed		#EMPTY #EMPTY	19822ROEP03T 19822ROCN02N	BIOCHDIAND CHHERTY AMPLIFIER USING BROADE AND TRANSFORMER BROADERAND CHHERTY AMPLIFIER USING BROADE AND TRANSFORMER
19838BA	WO OW		HEMPTY	Inactive	23-Jun-10			ONA-MORAD LOCATE IT NATURE ON SHORE ONLY AND A SHORE ON THE SHORE ON T
19838BA	JP		HEMPTY	Filed	-	HEMPTY	19838BAJP05N	METHOD AND APPARATUS FOR SIMULATING IP MULTINETTING
19838BA 19842SS	EP RU	10797587.2 2011140978		Filed Filed	-	#EMPTY #EMPTY	19838BAEPOAT 19842SSRU10N	METHOD AND APPARATUS FOR SIMULATING IP MULTINETING DELINERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SISTEM
19842SS	KR		HEMPTY	Filed		#EMPTY	1984255KR09N	CALLENGE OF THE COLUMN AS FRANCES OF THE COLUM
1984255	JP 	2012-500015		Granted	18-Mar-10	25-Apr-14	19842SSJPOSN	DELIVERY OF RIPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
1984255 1984255	IN EP	6385/CHENP/2011 10753034.7	#EMPTY #EMPTY	Filed Filed		#EMPTY #EMPTY	198425SIN07W 198425SEP06T	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SISTEM DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SISTEM
1984255	CN	201080012127.5	#EMPTY	Filed	18-Mar-10	#EMPTY	198425SCN05N	DELINERY OF IMPUT/OUTFUT DATA WITHIN A STANDARD ATCA SYSTEM
1984255 1984255	CA nn	2,755,792 PI1009877-1	#EMPTY #EMPTY	Filed Filed		#EMPTY #EMPTY	1984255CAO4N 1984255BRO3N	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA, SISTEM DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA, SISTEM
19847RO			HEMPTY	Inactive		#EMPTY		DELIVERAL OF MENULUPUR CONTROL OF MENULUP CONTRO
19847RO	JP	2014-174647	HEMPTY	Filed	28-Aug-14	#EMPTY	19847ROJP09V	METHOD AND APPARATUS FOR ACCOMM/CDATING DUPLICATE MAC ADDRESS
19847RO 19847RO	JP ED	2012-506301 10766563	#EMPTY HEMIPTY	Filed Filed		#EMPTY #EMPTY	19847ROJP07N 19847ROEP06T	METHOD AND APPARATUS FOR ACCOMMICOLATING DUPLICATE MAC ADDRESS METHOD AND APPARATUS FOR ACCOMMICOLATING DUPLICATE MAC ADDRESS
19847NO 19847RO	CN	201080028263.3		Filed		HEMPTY	1984/NOEPUSI 1984/ROCNUSN	INCHROLAND APPARATUS FOR ACCOMMICDATING DUPUCATE MAY, ADDRESS
19847RO	CA	2,759,522	#EMPTY	Filed	21-Apr-10	HEMPTY	19847ROCA04N	METHOD AND APPARATUS FOR ACCOMMODATING DUPULATE MAC ADDRESS
19847RO 19869RN	AU WO	2010239067 PCT/US2012/052628	#EMPTY #EMPTY	Filed Filed	-	#EMPTY #EMPTY	19847ROAU03N 19869RMAAO014A	METHOD AND APPARATUS FOR ACCOMMICOLATING DUPUCATE MAC ADDRESS FRICIAL TRACINIG AUDO MUTING CONTROL
19903RO			#EMPTY	Inactive		#EMPTY		Product includes POLIDON POLIDING CONTROL. MENTION AND APPROXIC SON PROCESSOR OF CONTROL OF CONTRO
19903RO	KR		HEMPTY	Filed		#EMPTY	19903ROKROSN	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
19903RO 19903RO	JP IN		#EMPTY #EMPTY	Filed Filed		#EMPTY #EMPTY	19903ROJP07N 19903ROJN06N	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OF REA COMMUNICATION METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OF REA COMMUNICATION
19903RO	EP	11868564.3		Filed	-	HEMPTY	19903ROEP05T	INSTITUTE OF PERMITTING TO THE CONTROL TO THE CONTR
19903RO	CN	201180071973.9		Filed		#EMPTY	19903ROCN04N	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
19903RO 19903RO	CA RP	2,835,245 1.12013E+12		Filed Filed		#EMPTY #EMPTY	19903ROCAO3N 19903ROGROZN	JUCTINOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
19923RO	WO OW		#EMPTY	Inactive		#EMPTY		INCENTION OF PRINTING FOR THE CONSIDERATION OF THE
19923RO	RU	2013104140		Filed		#EMPTY	19923RORU10N	NEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
19923RO 19923RO	KR ID	10-2013-7005531 2013-522312	#EMPTY #EMPTY	Filed Filed		#EMPTY #EMPTY	19923ROKRO9N 19923ROJPOSN	MRE BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOCEMAN. PRE BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOCEMAN.
19923RO	IN		#EMPTY	Filed		#EMPTY	19923ROIN07N	MEERSED ACCES TO VIDEO COMPEN ASSOCIATED WITH WICKEARLE.
19923RO	EP		#EMPTY	Filed		#EMPTY	19923ROEP06T	NEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
19923RO 19923RO	CN	201080069467.1 2.807.241	#EMPTY #EMPTY	Filed Filed		#EMPTY #EMPTY	19923ROCN05N 19923ROCA04N	WEE BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOCCHANIL WEE BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOCCHANIL
19923RO	BR BR	ER112013002717-7	HEMPTY	Filed		#EMPTY	19923ROBROSN	MEBASDACES TO VIDEO CONTROL ASSOCIATE WITH VICELIANA.
19923RO	AU	2010358740	HEMPTY	Filed		#EMPTY	19923ROAU02N	NEE BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
19941RO 19941RO		PCT/CA2010/001388 10-2012-7009069	#EMPTY #EMPTY	Inactive Filed	8-Sep-10 8-Sep-10	#EMPTY #EMPTY	19941ROW/004W 19941ROKR10N	ENHANCED SYMMETRIC TIE BEEARING ALGORITHAS ENHANCED SYMMETRIC TIE BEEARING ALGORITHAS
19941RO		2012-528201		Granted	8-Sep-10	30-May-14	19941ROJPO9N	Lensing System Control Consideration Consideration Lensing Control Co
19941RO	IN	2332/DELNP/2012	HEMPTY	Filed	8-Sep-10	HEMPTY	19941ROIN09N	EMMANCED SYMMETRIC TIE BREASHING AUGORITHMS
19941RO 19941RO	EP FP	14175306.1 10814836.2		Filed Filed	8-Sep-10 8-Sep-10		19941ROEP13V 19941ROEP07T	ENHANCED SYMMETRIC TIE ERECARDIS ALGORITHANS ENHANCED SYMMETRIC TIE ERECARDIS ALGORITHANS
19941RO	CN	201080050327.X	HEMPTY	Filed	8-Sep-10	#EMPTY	19941ROCN11N	EMANCED SYMMETRIC TIE BREADING ALGORITHMS
19941RO 19941RO	CA	2,773,400		Filed Filed	8-Sep-10		19941ROCAGEN 19941ROBROEN	METHOD AND APPARATUS FOR SELECTING BETWEEN MULTIPLE COUAL COST PATHS' FRHANCED SYMMETRIC TIE FEEFARMS ALGORITHANS
19941NO 19950RO	WO N	1.12012E+12 PCT/CA2011/050421	#EMPTY	Inactive	8-Sep-10 11-Jul-11	FEMPTY FEMPTY		EMPRICACY STAMP FIRE, IR REPARADOR RESORTED AND A STATE OF THE STATE O
19950RO	KR	10-2014-7000812	HEMPTY	Filed	11-Jul-11	#EMPTY	19950ROKR05N	AMPURED UNICARDATION USING NON-STANDARD FEEDBACK
19950RO 19950RO	JP co	2014-519355	#EMPTY #EMPTY	Filed		#EMPTY #EMPTY	1995OROUPOAN 1995OROEPOST	AMPLIFIC DILEGAZION USING KONSTANDADO FEEDRACK AMPLIFICATION USING KONSTANDAD FEEDRACK AMPLIFICATION USING KONSTANDAD FEEDRACK AMPLIFICATION USING KONSTANDAD FEEDRACK AMPLIFICATION U
19950RO	CN	11869206.7 201180072230.3		Filed Filed		#EMPTY	1995UNOCHUSI 1995UROCNUZN	AMPURED UNICARCATION USING KON-STANDARIO FEEDRACK AMPURED UNICARCATION USING KON-STANDARIO FEEDRACK
19953RR	WO OW	PCT/US2010/051527	HEMPTY	Inactive	5-0ct-10	#EMPTY	19953RRW002W	INTER-MAG BIDIRECTIONAL IP TUNNEUNG FOR PMIP-6-F45T HANDOFF
19953RR 19953RR	RU KR	2012118252 10-2012-7011693	#EMPTY #EMPTY	Filed Filed	5-0ct-10 5-0ct-10	#EMPTY #EMPTY	19953RFRU10N 19953RFKRO9N	INTER-MASS BIDIRECTIONS UP TRANSLUNG FOR PRIMPS-FAST HANDORF INTER-MASS BIDIRECTIONS UP TRANSLUNG FOR PRIMPS-FAST HANDORF
19953RR	JP	2012-533249	#EMPTY	Filed	5-0ct-10		19953RRIPOSN	INICENSIONAL TUMORUM CAN TUMORUM CAN TWO PERSON THROUGHT INICENSIONAL TUMORUM CAN TWO PERSON THROUGHT INICENSIONAL TUMORUM CAN TWO PERSON THROUGHT INICENSIONAL TUMORUM CAN TWO PRINCES AND THROUGHT INICENSIONAL TUMORUM CAN TRANSPORT THROUGHT INICENSIONAL THROUGHT TH
19953RR		3097/DELNP/2012	#EMPTY	Filed	5-0ct-10	¥EMPTY	19953RRIN07N	INTER-MAIS BIDDECTIONAL IP TUNNELING FOR PAIR-S-FAST HANDOFF
19953RR 19953RR	LP CN	10822555.8 201080055087.2		Filed Filed	5-0ct-10 5-0ct-10		19953RREPOST 19953RRCNOSN	INTER-MAG BIDIRECTIONAL IP TUNNELING FOR PAIR-FAST HANDOFF INTER-MAG BIDIRECTIONAL IP TUNNELING FOR PAIR-FAST HANDOFF
19953RR	CA	2,777,047	HEMPTY	Filed	5-0ct-10	#EMPTY	19953RRCAO4N	INTER-MAG BIDIRECTIONAL IP TUNNEURIG FOR PMIP-6-F45T HANDOFF
19953RR	BR	112012008018-0	HEMPTY	Filed		#EMPTY	19953RRER03N	INTER-MAG BIDIRECTIONAL IP TURNELING FOR PAUP-5-FAST HARDOFF
19983RO 19983RO	WO RU	PCT/CA2011/000211 2012138556	#EMPTY #EMPTY	Inactive Filed	25-Feb-11 25-Feb-11	#EMPTY #EMPTY	19983ROWO02W 19983RORU10N	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NODE TO DISTRALLY SAMPLED SIGNALS METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NODE TO DISTRALLY SAMPLED SIGNALS
19983RO	KR	10-2012-7020943	#EMPTY	Filed	25-Feb-11	#EMPTY	19983ROKR09N	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLEDSIGNALS
19983RO	JP		#EMPTY	Filed	25-Feb-11		19983ROJPOSN	METHOD AN APPARATUS FOR REDUCINGS THE CONTRIBUTION OF MOSE TO DISTRICTAL SAMPLEDSHALES
19983RO 19983RO	EP	6988/DELNP/2012 11752766.3	#EMPTY #EMPTY	Filed Filed	25-Feb-11 25-Feb-11		19983ROIN07N 19983ROEP06T	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DISTRILLY SAMPLED SIGNALS METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DISTRILLY SAMPLED SIGNALS
19983RO	CN	201180013221.7	HEMPTY	Filed	25-Feb-11	#EMPTY	19983ROCNOSN	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DISTRALLY SAMPLEDSIGNALS
19983RO	CA nn	2,787,506		Filed	25-Feb-11		19983ROCA04N	METHOD AN APPRANTIS FOR REDUCING THE CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AN APPRANTIS FOR REDUCING THE CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AN APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AN APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AN APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AN APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AN APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AN APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR REPUBLISHED CONTRIBUTION OF MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE TO DISTRICTUS SWIFEDSHAMS WITHOUGH AND APPRANTIS FOR THE MOISE T
19983RO 19990RO	BR WO	1.12012E+12 PCT/US2012/025552	HEMPTY HEMPTY	Filed Inactive	25-Feb-11 17-Feb-12		19983ROBRO3N 19990ROWOO2W	METHOD AND APPARATUS FOR REQUIDING THE CONTRIBUTION OF NODE TO DISTRILLY SAMPLED SIGNALS REXTHOP COMPUTATION FUNCTION FOR REQUIAL COST MULTI-PATH PACKET SMITCHING RETWORKS
19990RO	KR	10-2013-7019192	HEMPTY	Filed	17-Feb-12	¥EMPTY	1999OROKRO9N	NEXTHOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTI-PATH PACVET SWITCHING RETWORKS
19990RO	JP IN		#EMPTY	Filed	17-Feb-12 17-Feb-12		19990ROJPOSN	NEXT HIP COMPUTATION FUNCTIONS FOR EQUAL COST AND THE APPLIED PROCESS TO A CONTROL OF THE APPLIED PROCESS
19990RO 19990RO	EP		#EMPTY #EMPTY	Filed Filed	17-Feb-12 17-Feb-12		19990ROIN07N 19990ROEPD6T	NEXTHOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTI-PATH PROFET SMITCHING NETWORKS NEXTHOP COMPUTATION FUNCTION FOR EQUAL COST MULTI-PATH PROFET SMITCHING NETWORKS
19990RO	CN	201280004936.0	HEMPTY	Filed	17-Feb-12	#EMPTY	1999UROCNUSN	NEXTHOP COMPUTATION FOR EQUAL COST MULTI-PATH PACKET SWITGHING RETWORKS
19990RO	CA nn	2,820,765		Filed		#EMPTY	19990ROCA04N	NEXT HAP COMPUTATION FUNCTIONS FOR EQUAL COST AUGUST PARTY PACKET SWITCHING INTO HINGS AND THE COMPUTATION FUNCTIONS FOR EQUAL COST AUGUST PARTY PACKET SWITCHING INTO HINGS AND THE COMPUTATION FUNCTIONS FOR EQUAL COST AUGUST PARTY PACKET SWITCHING INTO HINGS AND THE COMPUTATION FUNCTIONS FOR EQUAL COST AUGUST PARTY PACKET SWITCHING INTO HINGS AND THE COMPUTATION FUNCTIONS FOR EQUAL COST AUGUST PARTY PACKET SWITCHING INTO HINGS AND THE COMPUTATION FUNCTIONS FOR EQUAL COST AUGUST PARTY PACKET SWITCHING INTO HINGS AND THE COMPUTATION FUNCTIONS FOR EQUAL COST AUGUST PARTY PACKET SWITCHING INTO HINGS AND THE COMPUTATION FUNCTIONS FOR EQUAL COST AUGUST PARTY PACKET SWITCHING INTO HINGS AND THE COMPUTATION FUNCTION FUNCTI
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20001RS	WO OW	PCT/CA2014/051135	HEMPTY	Filed	27-Nov-14	#EMPTY	20001RSW002W	SOFTWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPPEN FLOW ENABLED SWITCHES
B40012	JP	278929/93	#EMPTY	Filed	13-Oct-93	#EMPTY	BA0012	MULTIPLEDING OF COMMUNICATIONS SERVICES ON A VIRTUAL SERVICE PATH IN AN ATM NETWORK OR THE LIKE

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				Grante	d 1		14-Mar-07	FR0117	METHOD AND APPARATUS FOR SETTING UP A CONNECTION TO A TARGET BASE STATION IN A CELLULAR OR CORDLESS MOBILE COMMUNICATIONS SYSTEM
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	FR0123 FR		27805	93 Grante:	d 2	26-Jun-98	25-Aug-00	FR0123	JAIN CELLULAR NETWORK - SELF TUNING NETWORK PROCEDE ET DISPOSITIF DE SELECTION DE PARAMETRES DANS UN RESEAU CELLULAIRE DE RADIOCOMMUNICATION
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DUAS SE 97056933 049596 Ganted 44xg-71 124-6-b69 DUAS COMMUNICATIONS NETWORK MONITORING									
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	ID0480 FR	97306899.3	0 849 909	Grante	d .	4-Aug-97	12-Feb-03	ID0480	COMMUNICATIONS NETWORK MONITORING
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D0532 P	ID0532 JP	504908/1998	38261	81 Grante:	d	3-Jul-97	14-Jul-06	ID0532	TELECOMMUNICATION SISTEM
DOSS2 GB 978244SA 9395S Ganated 3.46-97 3-16-94 02652 ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING MARROW BAND TRAFFIC DOSS2 GB 96412837 234-95 Ganated 5-14-96 14-16-96 10-252 TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING MARROW BAND TRAFFIC				_	_	*****	2 1101 01	IUVJVL	
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ID0532	EP	4023621.8	#EMPTY	Filed	4-0ct-04	#EMPTY	ID0532	TELECOMANIACROS SYSTEM
ID0532	DE	97929415.4	69731469.3	Granted	3-Jul-97	3-Nov-04		ATM TELECOMPULATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
ID0533 ID0533	GB ER	97933773 97933773	0 916 194 0 916 194	Granted Granted	25-Jul-97 25-Jul-97	26-Sep-01 26-Sep-01		POWER UNE COMMUNICATIONS POWER UNE COMMUNICATIONS
ID0533	DE	97933773	69706997.4	Granted	25-Jul-97	26-Sep-01		CONTRACT COMMUNICATIONS POWER LIST COMMUNICATIONS POWER LIST COMMUNICATIONS
ID0535	GB	97933772.2	0 917 769	Granted	25-Jul-97	16-May-01		OPTIMAL BASE STATION COMERNER FOR 3-PHASE
ID0535	FR	97933772.2	0 917 769	Granted	25-Jul-97		ID0535	OPTIMAL BASE STATION COMEINER FOR 3-PHASE
ID0535 ID0553	DE GR	97933772.2 97909452.1	697 D4 868.3 D 934 673	Granted Granted	25-Jul-97 17-Oct-97		ID0535 ID0553	OPTIMAL BASE STATION COMBINER FOR 3-PHASE DIGITAL COMMUNICATIONS SYSTEM
ID0553	FR	97909452.1	0 934 673	Granted	17-Oct-97		ID0553	ORIGINA COMMUNICATIONS SYSTEM
ID0553	DE	97909452.1	697 17 300.3	Granted	17-0ct-97	20-Nov-02	ID0553	DIGITAL COMMUNICATIONS SYSTEM
ID0580	GB co	98925857.9	0 988 712	Granted	8-Jun-98	30-Jul-03		DATA TRANSMISSION OVER A POWER LINE COMMUNICATIONS SYSTEM
ID0580 ID0580	DE	98925857.9 98925857.9	0 988 712 698 16 819.4	Granted Granted	8-Jun-98 8-Jun-98	30-Jul-03 30-Jul-03		DATA TRANSHINSOON OVER A POWER LINE COMMUNICATIONS SISTEM DATA TRANSHINSOON OVER A POWER LINE COMMUNICATIONS SISTEM
ID0580	CA	2,290,353	2,290,353	Granted	8-Jun-98	4 May 10		DATA TRANSMISSION OVER A POWER LINE COMMUNICATIONS SYSTEM
ID0604	SE	97308987.3	0 845 912	Inactive	10-Nov-97		ID0604	NETWORK RESTORATION ROUTING OPTIMISATION
ID0604	NL In		0 845 912	Inactive	10-Nov-97	21-Dec-11	_	NETWORK RESIDEATION ROUTING-OPTIMISATION
ID0604 ID0604	IP IP	2006-273308 326767/1997	4456589 3896201	Granted Granted	4-Oct-06 27-Nov-97	12-Feb-10 22-Dec-06		NETWORK RESTORATION ROUTHIS OPTIMISATION INSTRUMENT RESTORATION ROUTHIS OPTIMISATION
ID0504	GB		0 845 912	Granted	10-Nov-97	21-Dec-11		NETWORK RESTORATION ROUTING OPTIMISATION
ID0604	FR	97308987.3	0 845 912	Granted	10-Nov-97	21-Dec-11		NETWORK RESTORATION ROUTING OPTIMISATION
ID0604	FI	97308987.3	0.845.912	Granted	10-Nov-97	21-Det-11		NETWORK ESTORATION ROUTING-OPPINISATION.
ID0604 ID0604	CÁ	97308987.3 2,220,792	0 845 912 2,220,792	Granted Granted	10-Nov-97 12-Nov-97	21-Dec-11 17-Dec-02		NETWORK RESTORATION ROUTING OPTIMES ATTON NETWORK RESTORATION ROUTING OPTIMES ATTON
ID0613	GB	97309354.5	0 849 622	Granted	20-Nov-97	10-Sep-03		AL COPTICAL SINGUISTICS OF MODULATING A PULSE TRAIN
ID0613	FR	97309354.5	0 849 622	Granted	20-Nov-97	10-Sep-03	ID0613	ALL-OPTICAL SAMPLING BY MODULATING A PLUES TRAIN
ID0613	DE	97309354.5	69724750.3	Granted	20-Nov-97	10-Sep-03		ALL-OPTICAL SAMPLING OF NODOLATING A PLUSE TRAIN COLUMNS TO ANY EXAMPLE OF THE TRAIN COLUMNS TO ALL SAMPLE OF THE TRAIN
ID0640 ID0642	FR GB	97945990.6 9726500.3	0 941 628 2331431	Granted Granted	1-Dec-97 16-Dec-97	6-Mar-02 26-Jan-00		SCALABLE DATA NETWORK ROUTER RESERVATIONS SCHEDULES FOR COMPRETIONS IN A COMMUNICATIONS RETWORK
ID0694	GB	98906521.5	0 962 117	Granted	19-Feb-98	27-Aug-03		ALM ADMINISTRATION STREET, AND ADMINISTRATION OF THE PROPERTY
ID0694	FR	98906521.5	0 962 117	Granted	19-Feb-98	27-Aug-03	ID0694	ATM ADAPTATION LAYER SWITCHING
ID0694	DE C4	98905521.5	698 17 540.9	Granted	19-Feb-98	27-Aug-03		ATM ADPTATION LINES SANTORING ADDITIONAL TO SANTORING ADDITIONAL TO SANTORING
ID0694 ID0701	CA SE	2,278,725 98306108.7	2,278,725 0 923 269	Granted Granted	19-Feb-98 30-Jul-98	8-Aug-06 5-May-10		ADAPTATION LAYER SWITCHING CAPABILITY MODELLING USING TRAPPLATES IN INTERVIOR MANAGEMENT SISTEM
ID0701	GB	98306103.7	0 923 269	Granted	30-Jul-98	5-May-10		CAPABILITY MODELLING CUSING TEMPERATES IN RETWORK MANAGEMENT SYSTEM
ID0701	FR	98306103.7	0 923 269	Granted	30-Jul-98	5 May 10		CAPABILITY MODELLING USING TEMPLATES IN INCTIVIORIX MANAGEMENT SYSTEM
ID0701	FI	98306103.7	0 923 269	Granted	30-Jul-98	5 May 10		CAPABILITY MODELING USING TEMPLATES IN INCTWORK MANAGEMENT SYSTEM
ID0701 ID0701	CA CA	98306103.7 2,244,564	69841646.5 2,244,564	Granted Granted	30-Jul-98 5-Aug-98	5-May-10 1-May-05		CAPABILITY MODELLING USING TEMPLATES IN NETWORK MANAGEMENT SISTEM CAPABILITY MODELLING USING TEMPLATES IN NETWORK MANAGEMENT SISTEM
ID0716	GB	98306084.9	0 907 090	Granted	30-Jul-98	6-Oct-04		MITEGRATE OFFICIAL WATERGUE AND METHOD OF MANUFACTURING
ID0716	FR	98306084.9	0 907 090	Granted	30-Jul-98	6-Oct-04		INTEGRATED OPTICAL WAVESUIDE AND METHOD OF MANUFACTURING
ID0716	DE	98306084.9	69826800.8		30-Jul-98	6-Oct-04		INTEGRATED OPTICAL WAVESUIDE AND METHOD OF MANUFACTURING
ID0716 ID0722	JP CA	2,245,409 2000-506793	2,245,409	Granted Granted	24-Aug-98 5-Aug-98	13-Feb-07 9-Feb-07		PLANAR OPTICAL WAIN GUIDE SISTEM AND METHOD FOR ESTABLISHING A COMMUNICATION CONNECTION
ID0722	GB	4013595.6		Granted	9-Jun-04	13-Oct-10		33 SEED AND DESCRIPTION OF THE STREET AND ADDRESS AND
ID0722	FR		1 453 257	Granted	9-Jun-04	13-Oct-10		SYSTEM AND METHOD FOR ESTABLISHING A COMMUNICATION CONNECTION
ID0722	DE	4013595.6	1 453 257	Granted	9-Jun-04	13-Oct-10		SYSTEM AND METHOD FOR ESTABLISHING A COMMUNICATION CONNECTION
ID0782 ID0782	GB FR	98925858.7 98925858.7	1 021 866 1 021 866	Granted Granted	8-Jun-98 8-Jun-98	23-Oct-02 23-Oct-02		DATA TRANSINSSION OVER A POWER LINE COMMUNICATIONS SISTEM DATA TRANSINSSION OVER A POWER LINE COMMUNICATIONS SISTEM
ID0782	DE		698 08 958.8	Granted	8-Jun-98	23-Oct-02		Centry from Annabasin of Victor Own Commission Control of Control
ID0791	GB		2 332 832	Granted	23-Dec-97	4-Jun-03		COMMUNICATION SYSTEM AND METHOD OF ROUTING INFORMATION THEREIN
ID0805	GB	98945433.5	1 021 867	Granted	2-Oct-98	10-Apr-02		COUPLING COMMUNICATIONS SIGNALS TO A POWER LINE
ID0805 ID0805	FR DE	98945433.5 98945433.5	1 021 867 698 04 837.7	Granted Granted	2-Oct-98 2-Oct-98	10-Apr-02		COUPUIG COMMUNICATIONS SIGNAS TO A POWER UNIE COUPUIG COMMUNICATIONS SIGNAS TO A POWER UNIE
ID0805	CA	2,304,678	2,304,678		2-0ti-98	10-Apr-02 3-Apr-07		CONFIDENCIAMINOUNCHIONS SYMPHIES TO REPORT BUTTER OUTPHING COMMISSION STORY AND TO A POWER BUTCH OUTPHING COMMISSION STORY AND THE
ID0835	SE	98307788.4		Granted	25-Sep-98	3-Sep-08	ID0835	VIRTUAL SWITCHING
ID0835	GB	98307788.4		Granted	25-Sep-98	3-Sep-08	ID0835	WRTUAL SWITCHING
ID0835 ID0835	FR DE	98307788.4 98307788.4		Granted Granted	25-Sep-98 25-Sep-98	3-Sep-08 3-Sep-08	ID0635	VMRTUAL SINTONING VMRTUAL SINTONING
ID0835	CN	98307788.4	98120862.2	Granted	25-Sep-98 30-Sep-98	5-sep-us 14-Jul-04	ID0835	VIRULA SYNCHING VIRULA SYNCHING VIRULA SYNCHING
ID0835	CA	2,249,149	2,249,149		30-Sep-98	21-Sep-10	ID0835	VIRTUAL SWITCHING
ID0843	SE		0 926 920	Granted	8-Dec-98	2-Aug-06	ID0843	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREFOR
ID0843 ID0843	GB co		0.926.920	Granted	8-Dec-98 8-Dec-98	2-Aug-06		COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREFOR COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREFOR
ID0843	FI	98310055.3	0 926 920 0 926 920	Granted Granted	8-Dec-98 8-Dec-98	2-Aug-06 2-Aug-06		COMMUNICATION STSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREFOR
ID0843	DE	98310055.3	69835412.5	Granted	8-Dec-98	2-Aug-06	ID0843	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREFOR
ID0843	CA	2,256,187	2,256,187	Granted	15-Dec-98	23-Jan-07	ID0843	COMMUNICATION SYSTEM ABCHITECTURE AND OPERATING PROTOCOL THEREFOR
ID0845	JP ED	2000-539672	4272354 HEMIDTY	Granted East	15-Dec-98	9-Mar-09		COMMUNICATION STEEM ASCRIPTICATE AD A MANAGEMENT CONTROL (ASST AND OFFICIAL PROSPECTOR OF THE ASST AND OFFICIAL PROSPECTOR OFFICIA
ID0845 ID0845	CA	98960028.3 2,314,927	#EMPTY 2,314,927	Filled Granted	15-Dec-98 15-Dec-98		ID0845 ID0845	COMMUNICATION SYSTEM ARCHITECTURE AND A MANAGEMENT CONTROL AGENT AND OPERATING PROTOCOL THEREFOR COMMUNICATION SYSTEM ARCHITECTURE AND A MANAGEMENT CONTROL AGENT AND OPERATING PROTOCOL THEREFOR
ID0845	AU	15715/99		Granted	15-Dec-98		ID0845	COMMUNICATION SYSTEM ARCHITECTURE AND A MANAGEMENT CONTROL AGENT AND OPERATING PROTOCOL THEREFOR
ID0847	GB	99302072.6	0 955 787	Granted	18-Mar-99	22-Dec-10		ADAPTABLE RESOURCE MODULE AND OPERATING METHOD THEREFOR
ID0847	FR	99302072.6		Granted	18-Mar-99	22-Dec-10		Aparting resource module and departing whenton thereon
ID0847 ID0847	DE CA	99302072.6 2,268,760	2,268,760	Granted Granted	18-Mar-99 7-Apr-99	22-Dec-10 17-Jun-08		ADAPTABLE RESOURCE MODULE AND OPERATING METROD THEREOR ADAPTABLE RESOURCE MODULE AND OPERATING METROD THEREOR
ID0882	GB	99304876.8		Granted	22-Jun-99	1-Jun-05	ID0882	TRANSMISSION OF FRANCE BUSD DATA COVER SINCEROROUS SIGNIFIAL HERARCHY NETWORK
ID0882	FR		0 982 900	Granted	22-Jun-99	1-Jun-05		TRANSMISSION OF FRAME BASED DATA OVER SYNCHRONOUS DIGITAL HERPARCHY NETWORK
ID0882	DE	99304876.8	69925548.1	Granted	22-Jun-99	1-Jun-05		TRANSMISSION OF FRAME BASED DATA OVER SYNCERONUS DIGITAL HERRACHY NETWORK MUNICIPAL MODERNIC IN DESCRIPTION OF SYNCERONUS DIGITAL HERRACHY NETWORK MUNICIPAL MODERNIC IN DESCRIPTION OF THE ENEMOTY MODERNIC IN DESCRIPTION OF THE ENEMOTY OF THE E
ID0889 ID0889	GB GB	10179161.4 99304877.6		Granted Granted	22-Jun-99 22-Jun-99	4-Jul-12 24-Aug-11		PAYLOAD MAPPING IN SINCHRONOUS NETWORKS PAYLOAD MAPPING IN SINCHRONOUS NETWORKS
ID0889	FR		2 271 128	Granted	22-Jun-99	4-Jul-12		PERILADE ANAPPRIS DESCRIPTION OF THE PROPERTY
ID0889	FR	99304877.6	0 982 969	Granted	22-Jun-99	24-Aug-11	ID0889	PAYLOAD MAPPING IN STINCHROMOUS INTERVENTS
ID0889	EP		2 271 128	Inactive	22-Jun-99	4-Jul-12		PAYTICAD MAPPING IN STRICTHRONOUS NETWORKS
ID0889 ID0889	DE DE	10179161.4 99304877.6	69944295.8 0 982 969	Granted Granted	22-Jun-99 22-Jun-99	4-Jul-12 24-Aug-11		PAYLOAD MAPPING IN SINCHRONOUS NETWORKS PAYLOAD MAPPING IN SINCHRONOUS NETWORKS
ID0889	CA	2,276,960	2,276,960	Granted	7-Jul-99	23-Dec-08		PERLUMENT INTERPRETATION TO STRUCTURE OF THE PROPERTY OF THE P
ID0943	GB	2073200	2073200		13-Mar-98	30-Jun-98	ID0943	A CONTAINER FOR ELECTRONIC EQUIPMENT
ID0951	GB	99907744.9		Granted	9-Mar-99	28-Jul-04		CARRYING SPEECH BAAD SIGNALS OVER A POWER LUNE COMMUNICATIONS SYSTEM
ID0951	FR	99907744.9	1 062 738	Granted	9-Mar-99	28-Jul-04	ID0951	CARRYING SPEECH BAND SIGNALS OVER A POWER LINE COMMUNICATIONS SYSTEM

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ID0951 DE ID0962 GB		07744.9 2073297	69918960.8 2073297	Granted Granted	9-Mar-99 17-Mar-98	28-Jul-04 29-Jul-98		CARRYING SYFECH FAND SIGNALS ONER A POWER UNE COMMUNICATIONS SYSTEM SIGNAL COUPLER LIMIT
ID0994 GB		10583.6	2 337 429	Granted	15-May-98	29-Oct-03		JARRIELONAUMORTONIS SYSTEM
ID1068 JP	583215/2000		4439122		8-Nov-99	15-Jan-10		MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
ID1068 GB		54162.6	1 129 557	Granted	8-Nov-99	18-Aug-04		MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
ID1068 FR		54162.6		Granted	8-Nov-99	18-Aug-04		MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
ID1068 DE ID1068 CA		54162.6 350,711	69919569.1 2,350,711		8-Nov-99 8-Nov-99	18-Aug-04	ID1068 ID1068	MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
ID1081 CA		,289,394	2,289,394		12-Nov-99	13-Jan-09		MONOROUS MITTERIAL PROTOCOL MONTHUR LOD ARRIVES VICE OVER MITTERIAL PROTOCOL MONTHUR AGAITECUSE VICE OVER MONTHUR AGAITECUSE PROTOCOL MONTHUR AGAITECUSE VICE OVER MONTHUR AGAITECUSE PROTOCOL MONTHUR AGAITECUSE VICE OVER MONTHUR AGAITECUSE PROTOCOL MONTHUR AGAITECUSE PROTOCOL MONTHUR AGAITECUSE VICE OVER MONTHUR AGAITECUSE PROTOCOL MONTHUR AGAITECUS PROTOCOL PROTOCOL PROTOCOL
MM0108 JP	4-10220	,coyar-		Granted	23-Jan-92	30-Jul-99		SSISTEM FOR TRANSMITTING AND PECENTAMINA OF AN UNIVERSAL OF A STATE OF A STAT
MM0108 JP	11-108872			Granted	16-Apr-99	11-Jun-04		SYSTEM FOR TRANSITTING AND RECEIVING AURAL INFORMATION AND MODULATED DATA
MM0108 GB			0.496.427	Inactive	24-Jan-92		MM0108	SISTEM FOR TRANSITTING AND RECEIVING AURAL INFORMATION AND MODULATED DATA
MM0108 FR			0.496.427	Inactive	24-Jan-92		MM0108	SYSTEM FOR TRANSMITTING AND RECENTING AURAL INFORMATION AND MODULATED DATA
MM0108 EP MM0108 DE		01190.4 01190.4	0 496 427 69232332.5	Inactive Inactive	24-Jan-92 24-Jan-92		MM0108 MM0108	SISTEM FOR TRANSITING AND RECEIVING AURAL INFORMATION AND MODULATED DATA SISTEM FOR TRANSITING AND RECEIVING AURAL INFORMATION AND MODULATED DATA
MO0105 KR	Family member		10-308369	Assigned Ro		39411-02	MINUTOS	Jastien on treatmin time-nou excessive retirect reconstruction made industruction (see the construction of
M00105 JP	Family member			Assigned Ro				Method of making a capactor for an integrated drout
M00144 JP	8-526494		4382876	Granted	14-Feb-96	2-0ct-09	M00144	CAPACITOR STRUCTURE FOR AN INTEGRATED CIRCUIT AND METHOD OF FABRICATION THEREOF
RM1053 EP		16113.7	0 705 473	Inactive	18-May-94	22-Sep-99		SPEECH RECOGNITION METHOD USING A TWO PASS SEARCH
RM1081 CA RM1107 SE		263,264 109621.5	2,263,264 0 924 942		14-Aug-97 24-Nov-98			INTERNET BASED TILEPHONE CALL MANAGER
RM1107 GB		09621.5	0 924 942	Granted Granted	24-Nov-98	18-Apr-07 18-Apr-07		SISTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSIVE TO EVENTS IN A TELECOMMUNICATIONS RETWORK AND THEINTENNET SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSIVE TO EVENTS IN A TELECOMMUNICATIONS INTERVORK AND THEINTENNET
RM1107 FR		09621.5	0.924.942	Granted	24-Nov-98	18-Apr-07		SYSTEM AND METHOD FOR COMMUNICATION \$5500D DEPOSITION RESPONSAN TO EVENTS BIA TELECOMMUNICATIONS NETWORK AND THEIR TERRIET SYSTEM AND METHOD FOR COMMUNICATION \$5500D DEPOSITION RESPONSAN TO EVENTS BIA TELECOMMUNICATIONS NETWORK AND THEIR TERRIET SYSTEM AND METHOD FOR COMMUNICATION \$5500D DEPOSITION RESPONSAN TO EVENTS BIA TELECOMMUNICATIONS NETWORK AND THEIR TERRIET SYSTEM AND METHOD FOR COMMUNICATION \$5500D DEPOSITION RESPONSAN TO EVENTS BIA TELECOMMUNICATIONS NETWORK AND THEIR TERRIET SYSTEM AND METHOD FOR COMMUNICATION \$5500D DEPOSITION RESPONSAN TO EVENTS BIA TELECOMMUNICATIONS NETWORK AND THEIR TERRIET SYSTEM AND METHOD FOR COMMUNICATION SERVICES AND THE SYSTEM TO EVENTS BIA TELECOMMUNICATIONS NETWORK AND THE SYSTEM TO EVENTS BIA TELECOMMUNICATIONS SERVICES BIA TELECOMMUNICATIONS AND THE SYSTEM TO EVENTS BIA TELECOMMUNICATION THE SYSTEM TO EVENTS BIA TELECOMMUNICATION THE SYSTEM TO EVENTS BIA TELECOMMUN
RM1107 FI		09621.5	0 924 942	Granted	24-Nov-98	18-Apr-07	RM1107	SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSINE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THEINTERNET
RM1107 DE		09621.5	69837592		24-Nov-98	18-Apr-07	RM1107	SISTEM AND METHOD FOR COMMUNICATION \$25500 IN DISPOSITION RESPONSIVE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THEINTERNET
RM1107 CA		251,459	2,251,459		23-Oct-98			SYSTEM AND METHOD FOR COMMANDIACTION SESSION DISPOSITION RESPONSIVE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THEINTERNET
RM1118 CA RM1136 CA		244,312 246,136	2,244,312		29-Jul-98 31-Aug-09	20-Jul-04		CALL PROLEP PRODE DISCINCTINE RICHORY SERVICE AND ADMINISTRATION OF THE PROPERTY OF THE PROPE
RM1136 CA RM1137 CA		,246,136 ,246,192	2,246,136 2,246,192		31-Aug-98 31-Aug-98	22-Feb-05	RM1136 RM1137	NETWORK INTERCONNECTED COMPUTING DEVICE, SERVER AND NOTIFICATION METHOD METHOD AND DEVICE FOR BRIDGING DATA TELEPHONE METWORKS.
RM1139 CA		246,133	2,246,133		31-Aug-98		RM1139	INSTITUTOR DESTAN, FOR THE ORDER TO THE ORDE
RM1143 GB		06004.5	1 003 343	Granted	28-Jul-99		RM1143	METHOD AND APPARTUS FOR AUTOMATIC CALL STUP IN DIFFERENT NETWORK DOMAINS
RM1143 FR	99	06004.5	1 003 343	Granted	28-Jul-99		RM1143	METHOD AND APPARATUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETWORK DOMAINS
RM1143 DE		06004.5	69936624		28-Jul-99		RM1143	METHOD AND APPABATUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETYORK DOMAINS
RM1143 CA		268,564	2,268,564		9-Apr-99		RM1143	METHOD AND APPARTUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETWORK
RN1041 MX RN1050 CA	- ;	981034 251,154	2,251,154	Granted Granted	6-Feb-98 19-Oct-98			LONG DOTANCE SERVICES BUREAU SISTEM FOR NAMAGING AN AUDOI CONFERENCE
RN1092 GB			0.944.277	Granted	15-Mar-99			METHOD AND SISTEM FOR ASSIGNATIFIE DIRECTORY NUMBERS (DN) TO A PERSONAL COMMUNICATION SYSTEM (PCS) TELEPHONE
RN1082 FR	9	9301985	0.944.277	Granted	15-Mar-99	19-Jan-11	RN1082	METHOD AND SYSTEM FOR ASSISHING MULTIPLE DIRECTORY NUMBERS (DN.) TO A PERSONAL COMMUNICATION SYSTEM (PCS.) TELEPHONE
RN1082 DE			0 944 277	Granted	15-Mar-99	19-Jan-11		METHOD AND SYSTEM FOR ASSISTAINING MULTIPLE DIRECTORY NUMBERS (DA) TO A PERSONAL COMMUNICATION SYSTEM (PCS) TELEPHONE
RN1090 EP			#EMPTY	Filed			RN1090	METHOD AND SISTEM FOR HANDLING MISSED CALLS
RN1115 GB RN1115 FR			0 999 712 0 999 712	Granted Granted	3-Nov-99 3-Nov-99	24-Dec-05 24-Dec-05		ANUTI MEDIA CHAMEL MANASEMENT THROUGH PSTN SIGNALLING MULTI MEDIA CHAMEL MANASEMENT THROUGH PSTN SIGNALLING
RN1115 DE		_	0 999 712	Granted	3-Nov-99	24-Dec-06		MULTI MEDIA CHARMEL MANAGEMENT THROUGH FISTI SIGNALING MULTI MEDIA CHARMEL MANAGEMENT THROUGH FISTI SIGNALING
RN1156 GB			1 208 682	Granted	7-Jun-00	6-Oct-04		METHODS AND SYSTEM FOR CONTROLLING NETWORK GATEKEEPER MESSAGE PROCESSING
RN1156 FR			1 208 682	Granted	7-Jun-00	6-0ct-04		METHODS AND SYSTEM FOR CONTROLLING NETWORK GATEKEEPER MESSAGE PROCESSING
RN1156 EP RN1156 EP	4		#EMPTY #EMPTY	Filled Inactive		#EMPTY #EMPTY	RN1156 RN1156	MCTHOOS AND SYSTEM FOR CONTROLLING NETWORK GATEREEPER MESSAGE PROCESSING METHOOS AND SYSTEM FOR CONTROLLING NETWORK GATEREEPER MESSAGE PROCESSING
RN1156 DE		37130.3	60014677.4		7-Jun-00	6-Oct-04		INCEPTION DISTRICT OF CONTROLLING IN THE WINDLESS OF CONTROLLING IN THE CONTROLLING IN T
R02234 FR		875129		Inactive	2-Sep-87	2-Sep-87		DISPLAY ADD-ON BASE FOR A TELEPHONE SET
RO2245 FR		876063		Inactive	19-Oct-87	19-Oct-87		TELEPHONE HANDSET
RO2616 JP	4-115464			Granted	8-Apr-92	21-Jan-00		ROTATING-ACCESS ATM-STAM PACKET SWITCH
R02616 CA R02620 GB	_	061,850 21144.1	2,061,850 2,250,665	Inactive	26-Feb-92 4-Oct-91	2-Aug-94 31-Aug-94		ROTATING ACCESS ATIN STAM PACKET SWITCH IMPROVED CALL SETUP IN A COMMA SYSTEM WITH DYNAMIC CHANNALLOCAT.
RO2642 SG		92063.2	33988		19-Jun-96	19-Jun-96		INFORMACIONAL SELVE ME A COMPANIA SELVENTI DE DIRECCIO. CENTRA CONTROLI DE CON
R02642 JP	04-216392	JEOLOIL	2992787		22-Jul-92	22-Oct-99		SONTAIREOUS CALL WARRING IDENTRICATION
RO2642 HK		9001622	961816	Granted	9-Sep-96	3-Oct-99	RO2642	SPONTANEOUS CALL WAITING IDENTIFICATION
R02642 GB		13060.8	2258119		19-Jun-92		RO2642	SPONTANEOUS CALL WAITING DENTRICATION
RO2687 JP RO2743 EP	05-90802	DM63	3291350 0 578 374		25-Mar-93 8-Jun-93	22-Mar-02 2-Dec-98		METHOD AND APPARATUS FOR TESTING DIGITAL SISTEMS METHOD AND APPARATUS FOR PROVIDING A PERSONAL LOCATOR, ACCESS CONTROL AND ASSET TRACISING SERVICE USING AN IN-BUILDING TELNETWORK
R02745 GB		07646.1	05/83/4	Inactive Inactive	3-Apr-92	26-May-95	RO2745	DIE HOLD DIE PPERMETO IN DIE PRODUZIERE E PERDURA LOCATOR, ACLES LOWING, AND ASSET INGLIEGE LOSING AN IN-BOULDING TELER FIVORS. TELEPHONE LIEB IN INFRAÇA CERCUIT WITH COLOTICAL ES MOTIONISM. TELEPHONE LIEB IN INFRAÇA CERCUIT WITH COLOTICAL ES MOTIONISM.
R02745 FR	- 70	07646.1	0 587 575	Inactive	3-Apr-92	26-May-95	R02745	TRACTION CONTINUES AND ADMINISTRATION OF THE PROPERTY OF THE P
RO2745 EP		07646.1	0 587 575	Inactive	3-Apr-92	26-May-99	RO2745	TELEPHONE LINE INTERFACE CIRCUIT WITH VOLTAGE SWITCHING
RO2745 DE		07646.1	69229268.3	Inactive	3-Apr-92	26-May-99	RO2745	TELEPHONE LINE INTERFACE CIRCUIT WITH VOLTAGE SWITCHING
R02745 CA		105,376	2,105,376	Inactive	3-Apr-92	18-Feb-97	R02745	TELEPHONE LINE INTERFACE ORDIT WITH HOULDES SWITCHING ANAPONEUS MARKEDE CONTENIOR STEMPACE CONTENIOR SWITCHING ANAPONEUS MARKED CONTENIOR STEMPACE CONTENIOR SWITCHING SWITCHI
RO2770 EP RO2772 JP	6-76464	17237.1	0 641 136 3426023	Inactive Granted	2-Nov-94 22-Mar-94	12-Sep-01 9-May-03		LOW POWER WIRELESS VISITION FOR TELEPHONE SERVICES INTEGRATED CIRCUIT PACCAGING
RO2963 GB		25752.4		Granted	20-Dec-94	18 Nov-98		INITIAL DISTRICT PROFESSION OF THE PROFESSION OF
RO2863 GB		11623.9	2 322 766	Granted	29-May-98	18-Nov-98	RO2863	SCREIN BASICI TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONY SERVICE
RO2863 GB		11626.2	2 322 519	Granted	29-May-98	18-Nov-98	RO2863	SCREEN BASED TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONY SERVICE
R02863 CA		138,069	2,138,069	Constant	14-Dec-94	27-Nov-01	R02863	SCREEN BASED TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONY SERVICE AND METHOD OF OPERATING SAME BY MICROPROCESSOR CONTROL
R02917 GB R02917 FR	96	41553.8 41553.8	0 885 416 0 885 416	Granted Granted	19-Dec-96 19-Dec-96	15-Sep-99 15-Sep-99	RO2917	ENCOUNG TECHNOLIE FOR SOFTWARE AND HADDWARE ENCOUNG TECHNOLIE FOR SOFTWARE AND HADDWARE
R02917 DE		41553.8		Granted	19-Dec-96			CHOLORISE TECHNIQUE FOR DUT HAVE PRUT HAVE PRU
RO2917 CA		243,469	2,243,469	Granted	19-Dec-96	31-Oct-00		DACONING TECHNIQUE FOR SOFTWARE AND INHOMPAGE
RO2953 CA	- 2	172,205	2,172,205	Granted	20-Mar-96	30-Jul-02	RO2953	METHOD OF TRACING THE ROUTE OF WRITUAL CONNECTIONS
RO2954 JP	8-515602		3243642		8-Nov-95	26-Oct-01		A METHOD OF COMMUNICATING INFORMATION AND TEMPIAL
R02954 GB R02954 FR		36395.3 36395.3	0 739 557 0 739 557	Granted Granted	8-Nov-95 8-Nov-95	21-Jan-04 21-Jan-04		COMMUNICATIONS IN A DISTRIBUTION NETWORK COMMUNICATIONS IN A DISTRIBUTION NETWORK
R02954 PK R02954 DE		36395.3	0 /39 55/ 695 32 467.5	Granted Granted	8-Nov-95 8-Nov-95	21-Jan-04 21-Jan-04		COMMUNICATION IN A DISTRIBUTION REPORT. COMMUNICATION OF A DISTRIBUTION REPORT.
R02954 CA		180,013	2,180,013	Granted	8-Nov-95	23-May-00		Sommonomicronia na ricorroma na ricona Communicación y a Distribución na Provincia Communicación y a Distribución y a Distribución na Provincia Communicación y a Distribución y
RO2971 GB	96	00070.2	0 852 891	Granted	10-Jan-96	4-Jul-01	R02971	MOUNTING ARRANGEMENT FOR A NOSE CANCELING MICROPHONE
RO2971 FR		00070.2		Granted	10-Jan-96		RO2971	MOUNTING ARRANGEMENT FOR A NOISE CANCELLING MICHOPHONE
RO2971 DE		00070.2	696 13 706.2	Granted	10 Jan 96		R02971	MOUNTING ARRANGEMENT KRS A NOSE CANCELING MOISOPHONE
R03003 GB R03003 FR			0 845 186 0 845 186	Granted	10-Jul-96 10-Jul-96		R03003	AN INPROVED ACCESS TO TELECOMMUNICATIONS BY MULTI-SERVICE ENVIRONMENT AN INPROVED ACCESS TO TELECOMMUNICATIONS BY MULTI-SERVICE ENVIRONMENT AN INPROVED ACCESS TO TELECOMMUNICATIONS BY MULTI-SERVICE ENVIRONMENT
ROSDOS DE		21848.6 21848.6	0 845 186 69628925.3	Granted Granted	10-Jul-96 10-Jul-96		R03003 R03003	JAN INVENCED ACCESS TO TELECOMMUNICATIONS RE INVORS ON MULTI-SERVICE ENVIRONMENT AN INVENOED ACCESS TO TELECOMMUNICATIONS NETWORKS IN MULTI-SERVICE ENVIRONMENT
R03003 CA		227,474	2,227,474	_	10-Jul-96			OF THE REPORT PROCESS OF THE COMMUNICATIONS RETINORS ON MULTISERANCE ENHANCEMENT
R03031 FR	96-1805		961805	Granted	25-Mar-96	31-Oct-96	R09061	TELEPHONE NECK SET
R03042 GB	97	06793.5	0 841 792	Granted	3-Nov-97	12-May-04	R03042	INTERACTIVE SUBSCRIBER TELEPHONE TERMINAL WITH AUTOMATIC MANAGEMENT SOFTWARE COMMICING FEATURE

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						200	
RO3042	FR	97308793.5	0 841 792	Granted	3-Nov-97	12-May-04 R03042	INTERACTIVE SUBSCRIBER TILEPHONE TERNINAL WITH AUTONATIC MANAGEMENT SOFTWARE DOWNLOAD FEATURE
ROSD42 ROSD48	GB GB	97308793.5 96932408.6	69729047.6 0 857 383	Granted Granted	3-Nov-97 9-Oct-96	12-May-04 R03042 13-Mai-02 R03048	INTERACTIVE SUBSCRIBER TELEPHONE TERMINAL WITH AUTOMATIC MANAGEMENT SOFTWARE DOWNLOAD FEATURE HIGH CUPACITY ATM SWITCH
RO3048	FR	96932408.6		Granted	9-0ct-96	13-Mar-02 R03048	HIGH CAPACITY ATM SMITCH
R03048 R03048	DE	96932408.6 2,233,628	69619843.6 2,233.628	Granted Granted	9-Oct-96 9-Oct-96	13-Mar-02 R03048 5-Mar-02 R03048	NIGH CUPACITY ATM SWITCH
RO3098	GB GB	9700921.1	2,233,028	Granted	17-Jan-97	19-Jan-00 R03098	INSPECTATION OF THE PROPERTY O
R03098	CA	2,192,634	2,192,634	Granted	11-Dec-96	30-May-00 R03098	FAQUITATING SEQUEC COMMUNICATIONS IN A DISTRIBUTION NETWORK
R03110 R03110	GB co	97924834.1 97924834.1	D 914 749 D 914 749	Granted Granted	11-Jun-97 11-Jun-97	3-Mar-04 R03110 3-Mar-04 R03110	METHOD AND APPARATUS FOR REASEABLING OF DATA PRICETS INTO MESSAGES IN AN ASTRICTION OF STRANSFER MODE COMMUNICATIONS SISTEM METHOD AND APPARATUS FOR REASEABLING OF DATA PRICETS INTO MESSAGES IN AN ASTRICTRICATOR STREAM CONTINUATIONS SISTEM
R03110	DE	97924834.1	69727936.7	Granted	11-Jun-97	3-Mair-04 R03110	INCLUDIO DE PROPRIOTO DE REALISMONT DE PROTECTION DE LOS DE PROPRIOTOS DE PROPRIOTOS DE PROPRIOTOS DE LOS DE PROPRIOTOS DE PROPR
R03115	GB	97310458.1		Granted	22-Dec-97	9-Feb-05 R03115	METHOD OF PROMIDING CONFERENCING IN TELEPHONY
R03115 R03115	FR DE	97310458.1 97310458.1	0 855 827 69732475,3	Granted Granted	22-Dec-97 22-Dec-97	9-Feb-05 R03115 9-Feb-05 R03115	METHOD OF PROVIDING CONFERENCING IN TELEPHONY METHOD OF PROVIDING CONFERENCING IN TELEPHONY
R03115	CA	2,224,541	2,224,541	Granted	9-Dec-97	17-Jun-08 RO3115	METHOLO OF PROMONING CONFERENCE IN TELEPHONY
R03184	JP	10-518746	3177253	Granted	9-Oct-97	6-Apr-01 R03184	REGINITY AND AMERIKT LIGHT MONITOR
RO3184 RO3184	GB FR	97943705 97943705	0 886 920 0 886 920	Granted Granted	9-Oct-97 9-Oct-97	13-Mai-02 R03184 13-Mai-02 R03184	PROUNTY AND AMBENT USIN MONITOR PROUNTY AND AMBENT USIN MONITOR
R03271	GB	97946978		Granted	3-Dec-97	17-Aug-05 R03271	DYNAMIC TRAFFIC CONDITIONING
R03271	FR	97946978	0 954 943	Granted	3-Dec-97	17-Aug-05 R03271	DYNAMIC TRAFFIC CONDITIONING
RO3271 RO3281	JP JP	97946978 10-518744	69734013.9 #EMPTY	Granted Inactive	3-Dec-97 23-Apr-97	17-Aug-05 R03271 #EMPTY R03281	DINAMIC TRAFFIC CONDITIONING METHODS OF AND APPARATUS FOR PROVIDING TELEPHONE CALL CONTROL AND INFORMATION
RO3288	CA	2,254,407	2,254,407	Granted	17-Nov-98	18-May-04 R03288	METHOD AND APPARATUS FOR A REXIDE ACCESS RATE COMMON MEMORY PACKET SWITCH
R03398	GB ro	97945685.2	0 947 085	Granted	25-Nov-97	15-Sep-04 R03398	UNINERS COMPATIBILITY SOFTWARE SISTEM FOR SERVICES IN COMMUNICATIONS AND INFORMATION PROCESSING NETWORKS
RO3398 RO3398	DE	97945685.2 97945685.2	0 947 085 69730735.2	Granted Granted	25-Nov-97 25-Nov-97	15-Sep-04 R03398 15-Sep-04 R03398	UNINEESAL COMPATIBILITY SOFTWARE SISTEM FOR SERVICES IN COMMUNICATIONS AND INFORMATION PROCESSING NETWORKS UNINEESAL COMPATIBILITY SOFTWARE SISTEM FOR SERVICES IN COMMUNICATIONS AND INFORMATION PROCESSING NETWORKS
RO3398	CA	2,275,132	2,275,132	Granted	25-Nov-97	25-Jan-05 R03398	UNIVERSAL COMPATIBILITY SOFTWARE SYSTEM FOR SERVICES IN COMMUNICATIONS AND INFORMATION PROCESSING NETWORKS
R03467	CA	2,249,078	2,249,078		25-Sep-98	16-Mar-04 R03467	APPASATION AND METHOD FOR COMMUNICATING EDITIO ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITIO ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITIO ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITIO ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITIO ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITIO ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITIO ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITIO ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITIO ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITION AND METHOD ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITION AND METHOD ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD FOR COMMUNICATING EDITION AND METHOD ELAY-SENSITIVE DATA SPORADIC DATA APPASATION AND METHOD ELAY-SENSITIVE DATA SPORADIC DATA SPOR
RO3468 RO3468	ent FR	98308300.7 98308300.7		Granted Granted	13-Oct-98 13-Oct-98	28-Sep-05 RO3468 28-Sep-05 RO3468	A TELEPHONY SYSTEM AND METHOD OF SIGNALING ATTERPHON SYSTEM AND METHOD OF SIGNALING
R03468	DE	98308300.7	69831717.3	Granted	13-Oct-98	28-Sep-05 RO3468	A TELEPHONY SYSTEM AND METROD OF SIGNALING
R03503	GB CO	98903976.3	0 968 586	Granted	25-Feb-98	23-Nov-05 R03503	NETWORK ACESS IN MULTI-SERVICE ENVIRONMENT
R08508 R08508	DE .	98903976.3 98903976.3	0 968 586 69832474.9	Granted Granted	25-Feb-98 25-Feb-98	23-Nov-05 R03503 23-Nov-05 R03503	RETWORK ACCESS ON MULTI-SERVICE ENVIRONMENT DETWORK ACCESS ON MULTI-SERVICE ENVIRONMENT
R03503	CA	2,281,543	2,281,543		25-Feb-98	10-Oct-06 RO3503	THE THORS ACCES THE MULTI-SERVICE PROPROMENT
R03526	JP	10-357230		Granted	16-Dec-98	20-Jun-08 R03526	METHOD FOR ADDING CONTEXT TO COMMUNICATIONS
R03526 R03526	GB FR	98310270.8 98310270.8		Granted Granted	15-Dec-98 15-Dec-98	17-Jan-07 R03526 17-Jan-07 R03526	METHOD FOR ADDING CONTEXT TO COMMUNICATIONS METHOD FOR ADDING CONTEXT TO COMMUNICATIONS
R03526	DE	98310270.8		Granted	15-Dec-98	17-Jan-07 R03526	METHOD FOR ADMINISTRATIONS
R03526	CA	2,256,221	2,256,221		16-Dec-98	11-May-04 R03526	METHOD FOR ADDING CONTREXT TO COMMUNICATIONS
R03561 R03574	CA CA	2,222,259 2,245,820	2,222,259 2,245,820		25-Nov-97 27-Aug-98	3-Feb-04 R03561 30-Jul-02 R03574	HITTP DISTRIBUTED REMOTE USER AUTHERITICATION SYSTEM DISTORTION PRIVATY IN REJOURNMENT PROCEDURE IN OPTICAL SYSTEM/SUSING NOISE LOADING
R03578	GB	98907786.2		Granted	11-Mar-98	9-Jul-03 R03578	CONTAINS EXECUTION OF MEDIA STREAMS FOR DISPLAY OF THOSE CONTAINS
RO3578	FR	98907786.2		Granted	11-Mar-98	9-Jul-03 R03578	DYNAMIC SELECTION OF MEDIA STREAMS FOR DISPLAY
RO3578 RO3578	DE CA	98907786.2 2,289,504	69816294.3 2,289,504		11-Mar-98 11-Mar-98	9-Jul-03 R03578 14-May-02 R03578	DYNAMIC SELECTION OF MEDIA STREAMS FOR DIPPLAY DYNAMIC SELECTION OF MEDIA STREAMS FOR DIPPLAY
R03583	CA	2,243,034	2,243,084		10-Jul-98	4-Jan-05 R03583	ROUTE SELECTION FOR PATH BALANCING IN CONNECTION-OPERITED PACKET SMITCHING NETWORKS
RO3515	SE	98310272.4		Granted	15-Dec-98	5-Apr-06 R03616	DISTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTSUSING MULTIPLE MEDIA OPTIONS
RO3616 RO3616		10-355631 2009-211735	#EMPTY 4976471	Filled Granted	15-Dec-98 14-Sep-09	#EMPTY R03616 20-Apr-12 R03616	SISTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTSUSING MULTIPLE MEDIA OPTIONS SISTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTSUSING MULTIPLE MEDIA OPTIONS
R03616	GB GB	98310272,4		Granted	15-Dec-98	5-Apr-06 RO3616	SYSTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTSUSING MULTIPLE MEDIA OPTIONS
R03616	FR	98310272.4		Granted	15-Dec-98	5-Apr-06 R03616	DISTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTSUSING MULTIPLE MEDIA OPTIONS
RO3616 RO3616	CA.	98310272.4 2,256,289	0 938 213 2,256,289	Granted Granted	15-Dec-98 17-Dec-98	5-Apr-06 R03616 7-Nov-06 R03616	SISTEM AND METHOD FOR MANAGENG INCOMING COMMUNICATION EVENTSUSING MULTIPLE MEDIA OPTIONS SISTEM AND METHOD FOR MANAGENG INCOMING COMMUNICATION EVENTSUSING MULTIPLE MEDIA OPTIONS
R03520	GB	4104937		Granted	8-0ct-04	21-Mar-12 R03620	SYSTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON
RO3520	GB	99306693.5		Granted	23-Aug-99	29-Mar-06 R03620	NETWORK PRESENCE INDICATOR FOR COMMUNICATIONS MANAGEMENT
RO3620 RO3620	FR FR	4104937 99306693,5	1 494 392 0 989 700	Granted Granted	8-Oct-04 23-Aug-99	21-Mar-12 RO3520 29-Mar-06 RO3520	SISTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON NETWORK PRESENCE MOLICATOR FOR COMMUNICATIONS MANAGEMENT
R03620	EP	4104937	1 494 392	Inactive	8-Oct-04	21-Mar-12 R03520	SYSTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON
R03620	DE	4104937	1 494 392	Granted	8-Oct-04	21-Mar-12 R03620	SYSTEM AND METHOD FOR COMMANDICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON
R03620 R03620	LA CA	99306693.5 2,280,573	69930593.4 2,280.573	Granted Granted	23-Aug-99 20-Aug-99	29-Mar-06 R03620 25-May-10 R03620	RETWORK PRESENCE INDICATOR FOR COMMUNICATIONS MANAGEMENT SISTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A RETWORK PRESENCE ICON
R03625	GB.	98310655	0 926 922	Granted	23-Dec-98	23-Nov-11 R03625	A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION
R03625	FR CO		0 926 922	Granted Incotion	23-Dec-98	23-Nov-11 R03525	A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE A ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A STREET OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A NUMBER OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A STREET OF THE ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION A STREET OF THE ARCHITECTURE BASED
R03625 R03625	DE DE	98310655 98310655	0 926 922 0 926 922	Inactive Granted	23-Dec-98 23-Dec-98	23-Nov-11 R03625 23-Nov-11 R03625	A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR REPOLENT QUALITY OFFERINCE BASED COMPUTATION A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR REPOLENT QUALITY OFFERINCE BASED COMPUTATION
R03625	CA	2,256,937	2,256,937	Granted	23-Dec-98	20-Mar-12 R03625	A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOUS FOR EFFICIENT QUALITY OF SERVICE BASED ROUTE COMPUTATION
R03648	EP ED	10182552.9 98309264.4		Filed Filed		#EMPTY R03648	MULTIMEDIA CALL SISHALLING SISTEM AND METHOD AND ITRAMENIA CALL SISHALLING SISTEM AND METHOD
RO3648 RO3648	CA	98309264.4 2,250,275	#EMPTY 2,250,275	Filed Granted	12-Nov-98 13-Oct-98	#EMPTY R03648 11-Jul-06 R03648	ANUTIMEDIA CALL SISHALLING SISTEM AND METHOD ANUTIMEDIA CALL SISHALLING SISTEM AND METHOD
R03587	GB.	98310117.1	0 926 921	Granted	10-Dec-98	26-Feb-03 R03687	METHOD AND APPARATUS FOR MANAGEMENT OF BANDWIDTH IN A DATA COMMUNICATION NETWORK
RO3687 RO3687	FR DE	98310117.1 98310117.1		Granted Granted	10-Dec-98	26-Feb-03 R03687 26-Feb-03 R03687	METHOD AND APPARATUS FOR MANAGEMENT OF BANDWIDTH IN A DATA COMMUNICATION NETWORK INSTRUMON AND ASSENCED FOR MANAGEMENT OF GANDWIDTH IN A DATA COMMUNICATION NETWORK
RO3687	CA	2,255,385	69811622.4 2,255,385	Granted Granted	10-Dec-98 4-Dec-98	3-May-05 R03687	METHOD AND APPARATUS FOR MAINAGEMENT OF EMIDMOTH IN A DATA COMMUNICATION RETWORK SISTEM AND METHOD FOR COMMUNICATION SESSION DEPOSITION RESPONSIVE TO EVENTS IN A TELECOMMUNICATION S NETWORK AND THE INTERNET METHOD AND APPARATUS FOR MAINAGEMENT OF BANDWIDTHIN A DATA COMMUNICATION NETWORK
R03688	GB	98309620.7		Granted	24-Nov-98	2-Apr-08 R03688	FACSIMILE SIGNAL TRANSMISSION WITH SUPPRESSION OF MULTIPLE MODULATION AND DEMODULATION ACROSS A CONNECTION
RO3688 RO3688	FR DE	98309620.7 69839324.4-08	0 923 229	Granted Granted	24-Nov-98 24-Nov-98	2-Apr-08 R03688 2-Apr-08 R03688	FACSINILE SIGNAL TRANSMISSION WITH SUPPRESSION OF MULTIPLE MODULATION AND DEMODULATION AND DEMODILATION AND DEMODULATION AND
RO3588	CA	2,254,774	0 923 229 2,254,774	Granted Granted	24-NOV-98 19-Nov-98	2-Apr-08 R03588 20-May-03 R03588	PACINITIES SERVER INFORMATION WITH SUPPRESSION OF MULTIPLE ROQUERATION AND DEPOCULATION AND ASSOCIATION FOR ARCHITECTURE AND ASSOCIATION FOR A
R03713	GB.	99302713.5	0 949 838	Granted	7-Apr-99	16-Jun-04 R03713	ARCHITECTURE REPARTITIONING TO SIMPLIFT OUTSIDE PLANT COMPONENT OF FIBER BASED SYSTEM
R03713	FR co	99302713.5	0 949 838 0 949 838	Granted Granted	7-Apr-99 7-Apr-99	16-Jun-04 R03713 16-Jun-04 R03713	ARCHITECTURE REPARTITIONING TO SINPLEF OUTSIDE PLANT COMPONENT OF PRER BASED SYSTEM ARCHITECTURE REPARTITIONING TO SINPLEF OUTSIDE PLANT COMPONENT OF PRER BASED SYSTEM
R03713 R03713	DE	99302713.5 99302713.5	0 949 838 69917975	Granted Granted	7-Apr-99 7-Apr-99	16-Jun-04 R03713 16-Jun-04 R03713	APCHITECTURE REPARTITIONING TO SIMPLEY OUTSIDE PLANT COMPONENT OF PIECE BASED SYSTEM APCHITECTURE REPARTITIONING TO SIMPLEY OUTSIDE PLANT COMPONENT OF PIECE BASED SYSTEM
R03714	GB	99304110.2	0 961 522	Granted	27-May-99	29-Nov-06 R03714	NOVEL METHOD AND APPARATUS FOR TRAFFIC SHAPING IN A BROADBAND FIBER-BASED ACCESS SYSTEM
R03714	FR	99304110.2		Granted	27-May-99	29-Nov-06 R03714	NOVEL METHOD AND APPRACTICS FOR TRAFFIC SHAPING IN A BENINDARY OF THE SALES SCIENT IN A STATE
R03714 R03714	UE CA	99304110.2 2,272,978	69934165.5 2,272,978	Granted Granted	27-May-99 20-May-99	29-Nov-06 R03714 8-Dec-09 R03714	NOVEL METHOD AND APPRACTUS FOR TRAFFIC SHAPING IN A BROADEAND FREE-BASED ACCESS SYSTEM NOVEL METHOD AND APPRACTUS FOR TRAFFIC SHAPING IN A BROADEAND FREE-BASED ACCESS SYSTEM
R03744	CA	2,243,309	2,243,309		15-Jul-98	23-Jan-07 R03744	TOTAL DISCOUNT OF PROPERTY AND
R03784	EP	98310456.3		Filed	18-Dec-98	#EMPTY RO3784	NDEQ CONFERENCING SYSTEM
R03784	CA.	2,256,787	2,256,787	uranted	21-Dec-98	11-Nov-03 R03784	COLLABORATIVE SHARED SPACE

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20	R03797	DE	929151.9	600823	56 Granted	3-May-00	13-Dec-06	RO3797	TELEPHONY AND DATA NETWORK SERVICES AT A TELEPHONE
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Fig.		DE		6983165	_	18-Dec-98	21-Sep-05	R04054	METHOD AND SYSTEM FOR VOICE CALL COMPLETION USING INFORMATION RETRIEVED FROM AN OPEN APPLICATION ON A COMPUTING MACHINE
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Page	RO4106	DE			_		28-Jun-06	RO4106	METHOD AND APPARATUS FOR PERFORMING DATA PULSE DETECTION
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1985 R		CA							
		FR.							
1.985 1.98		DE	99310374.6	6993844		21-Dec-99	2-Apr-08	RO4390	METHOD OF VIRTUAL CIRCUIT RECONNECTION WITHOUT LOSS OF CALL SESSION
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Section Sect	RO4525	FR							
		DE							
Section Sect		JP				_	_	_	
	RR1114	GB	96927484.4	0 852 872	Granted	28-Aug-96	31-0ct-01	RR1114	METHOD AND APPARATUS FOR ORIGINATING VOICE CALLS
Page		FR nc							
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	RR1114	AU	199667295	6946	82 Granted	28-Aug-96	27-Jul-00	RR1114	METHODS AND APPARATUS FOR ORIGINATING VOICE CALLS
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Page	RR1116				_			_	METHODS AND APPARATUS FOR PROVIDING COMMUNICATIONS TO TELECOMMUNICATIONS TERMINALS
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PRZ256 R 1935 1		_		HEMPTY	Filed		#EMPTY	RR1146	VIRTUAL PRIVATE NETWORK SERVICE PROVIDER FOR ASYNCHRONOUS TRANSFER MODE NETWORK
	RR2299	DE	19857003.1	#EMPTY	Filed	10-Dec-98	#EMPTY	RR2299	MARKING AND SCREENING TELEPHONE CALLS
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	RR2449		300723.4	6001365	8.2 Granted	31-Jan-00	15-Sep-04	RR2449	FAULT-TOLERANT JAVA VIRTUAL MACHINE
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802451 DE 93308511 001 DG Granted 7-Dr-93 31-An-98 W02451 WITHOU AND APPARATUS FOR LOADING A WAYA APPLICATION PROGRAM		-							
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RR2534	EP	304241.3	#EMPTY	Filed	19-May-00	#EMPTY RR2534	METHOD AND APPARATUS FOR PROVIDING A VIRTUAL SS7 LINK IN A COMMUNICATIONS SYSTEM
RR2646	EP	10177245.7	#EMPTY	Filed	12-0ct-99	#EMPTY RR2648	MOBILE IP INTEGRATED GPRS ACCOUNTING FRANCWORK
RR2646	EP	99954858.9	#EMPTY	Filed	12-Oct-99	HEMPTY RR2648	MOBILE IP INTEGRATED GPRS ACCOUNTING FRANCEWORK
SC0022	NZ	316874	316874	Granted	19-Sep-96	20-Apr-99 S00022	METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALING BETWEEN TELEPHONES OR ADJUNCTS ON THE SAME LOOP
SC0022	MX	982202	210119	Granted	19-Sep-96	4-Sep-02 S00022	METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALUNG BETWEEN TELEPHONES ON ADJUNCTS ON THE SAME LOOP
SC0022	IP	9-512265		Granted	19-Sep-96	15-Dec-00 S00022	METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALUNG BETWEEN TELEPHONES ON ADJUNCTS ON THE SAME LOOP
SC0022	GR.	96929996.5		Granted	19-Sep-96	13-Nov-02 S00023	METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALIUNG BETWEEN TELEPHORES OR ADJUNCTS ON THE SAME LOOP
SC0022	DE	96929996.5	69624832.8		19-Sep-96	13-Nov-02 S00023	METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALLING BETWEEN TELEPHONES OR ADJUNCTS ON THE SAME LOOP
SC0053	GB		0.927.484	Granted	12-Mar-98	6-Jul-05 S00053	ON HOLD CALL WAITING DISPLAY METHOD AND ADDRESS OF THE COLOR OF THE CO
SC0053	10	98909258		Granted	12-Mar-98	6-Jul-05 S0005	ON HOLD CALL WHITE GENERAL PREPARATION ON HOLD CALL WHITE GENERAL PROPARATION CALL
SC0053	DE.	98909258	69830780.1		12-Mar-98	6-Jul-05 SC0053	ON HOLD CHE, WHITE DEPOY INCLITED ON THE PROPRIATE SO
SC0064	or.		0 970 576	Granted	12-War-98	14-Det-11 S00064	UN TOUR OUT, WHITH THE OUTPORT IN TELEPHONE SERVICES TO A TELEPHONE METHOD AD APPARATUS FOR PRODUING SERVICES FOR A TELEPHONE
SC0064	SE All	98910539		Granted	12-Mar-98		
SC0064	NL In						METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
	JP co	10-547465		Granted	12-Mar-98	4-Sep-09 S00064	METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
SC0064	ЭВ		0 970 576	Granted	12-Mar-98	14-Dec-11 50006	METHOD AND APPARATUS FOR PROVIDING SUBSCREER SERVICES TO A TELEPHONE
SC0064	FR	98910539		Granted	12-Mar-98	14-Det-11 500064	METHOD AND APPARATUS FOR PROVIDING SUBSCREER SERVICES TO A TELEPHONE
SC0064	FI	98910539		Granted	12-Mar-98	14-Dec-11 S00064	METHOD AND APPARATUS FOR PROVIDING SUBSCREER SERVICES TO A TELEPHONE
SC0064	EP	98910539		Inactive	12-Mar-98	14-Dec-11 S00064	METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
SC0064	DE		0 970 576	Granted	12-Mar-98	14-Dec-11 S00064	METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
SC0064	CA	2,218,789	2,218,789	Granted	20-Oct-97	4-Feb-03 S00064	METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
SC0065	GB	98310282.3	0 926 865	Granted	15-Dec-98	26-Jul-06 S00069	TEXT-TO-SPEECH DRIVEN ANNUNCIATION OF CALLER IDENTIFICATION
SC0065	FR	98310282.3	0 926 865	Granted	15-Dec-98	26-Jul-06 S00069	TEXT-TO-SPEECH DRIVEN ANNUNCIATION OF CALLER IDENTIFICATION
SC0065	DE	98310282.3	69835338.2	Granted	15-Dec-98	26-Jul-06 S00069	TEXT-TO-SPEECH DRIVEN ANNUNCIATION OF CALLER IDENTIFICATION
SC0065	CA	2,254,816	2,254,816	Granted	30-Nov-98	5-Aug-03 S00069	TEXT-TO-SPEECH DRIVEN ANNUNCIATION OF CALLER IDENTIFICATION
SC0092	MX	989050	218589	Granted	30-0ct-98	12-Jan-04 S00097	INTERACTIVE GRAPHIC PAYPHONE
SC0136	GB	99309830	1 009 148	Granted	7-Dec-99	31-Aug-05 S00138	CALLING PARTY IDENTIFICATION AUTHENTICATION AND ROUTING IN RESPONSE THERETO
SC0136	FR	99309830	1 009 148	Granted	7-Dec-99	31-Aug-05 S00136	CALLING PARTY IDENTIFICATION AUTHENTICATION AND ROUTING IN RESPONSE THERETO
SC0136	DF	99309830	69926977.6		7-Dec-99	31-Aug-05 S00136	CALLING PARTY IDENTIFICATION AUTHENTICATION AND ROUTING IN RESPONSE THERETO
SC0136	CA	2,279.870	2,279,870		10-Aug-99	30-Oct-07 S00130	CALLING PARTY IDENTIFICATION AUTHENTICATION AND ROUTING IN RESPONSE THERETO
SC0146	GB.	99309604.9		Granted	30-Nov-99	14-Mar-12 S00146	VOICE OVER DATA NETWORK MANAGER
SC0146	ER	99309604.9		Granted	30-Nov-99	14-Mar-12 S00146	VOICE OVER DATA RETYDOR MANAGER
SCD146	FD	99309604.9		Inactive	30-Nov-99	14-Mar-12 S00146	VOICE OVER DATA RETYRENT MEMBRAGE
SC0146	DE	99309604.5		Granted	30-Mov-99	14-Mair-12 SC0146	VOICE OF THE THORN THE
SN0148	KR	98-706503	1 41/100	Granted	DV 1101 22	30-Nov-01 SN014	MATERIA DESCRIPTION CONTROL TRADES
	GB GB	97917189.5		Granted		14-Nov-01 SN014	MITTER TO SOCIAL TELEVISION OF THE STATE OF
	FR	97917189.5		Granted		14-Nov-01 SN014	MITTER TO COLOR LEUK
	DE			Granted		14-Nov-01 SN014	NUMBER FRANCOS ALBER
	CA	2,248,577					
					23-Apr-97	5-Nov-02 SN014	MITERACT PROTOCOL NUTUR
SN0148	AU	1997025632		Granted	23-Apr-97	22 Jul 99 SN014	INTERNET PROTOCOL FILTER
	CA	2,249,141				9-Sep-03 SN017	METHOD AND APPARATUS FOR INTEGRATED SERVICES DIGITAL INETWORK USER PART (ISUP) SIGNALING LOOPBACK
	JP			Filed		#EMPTY SR0120	TELECOMMUNICATIONS FUNCTIONS MANAGEMENT SYSTEM PROVIDING SELECTIVE ALERTING BASED ON CALLER IDENTIFIER
	CA	2,217,050			29-Jan-97	24-Juli-01 SR0120	TELECOMMUNICATIONS FUNCTIONS MANAGEMENT SYSTEM PROVIDING SELECTIVE ALERTING BASED ON CALLER IDENTIFIER
	GB	97900059.3		Granted		16-Mar-05 SS0109	APPARATUS AND METHOD FOR REDUCING SPEECH RECOGNITION VOCABULARY PERPORTY AND DYNAMICALLY SELECTING ACOUSTIC MODELS
	FR	97900059.3		Granted		16-Mar-05 SS0109	APPARATUS AND METHOD FOR REDUCING SPEECH RECOGNITION VIOCABULARY PERPENTY AND DYNAMICALLY SELECTING ACOUSTIC MODELS
	DE	69732769.8		Granted		16-Mar-05 SS0105	APPARATUS AND METHOD FOR REDUCING SPEECH RECOGNITION VIOCABULARY PERPENTY AND DYNAMICALLY SELECTING ACOUSTIC MODELS
SS0109	CA	2,250,050	2,250,050	Granted	9-Jan-97	25-Jun-02 SS0109	APPARATUS AND METHOD FOR REDUCING SPEECH RECOGNITION VOCABULARY PERPLEXITY AND DYNAMICALLY SELECTING ACOUSTIC MODELS
SS0112	EP	97909536.1	#EMPTY	Filed	6-Nov-97	#EMPTY SS0112	ARCHITECTURE FOR DISTRIBUTION OF VOICE OVER ATM NETWORKS
\$50113	GB	98907613.8	0 962 088	Granted	25-Feb-98	12-May-04 SS0113	CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
SS0113	FR	98907613.8	0 962 088	Granted	25-Feb-98	12-May-04 SS0113	CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
SS0113	DE	98907613.8	69823810.9	Granted		12-May-04 SS0113	CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
	CA	2,268,000				17-Sep-02 SS0113	CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
	CA	2,282,633				13-May-03 SS0113	CALL-FORMARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
	CA	2,234,662				26-Aug-03 SS0116	METHOD AND APPARATUS FOR USING THE CONTROL CHANNEL IN TELECOMMUNICATIONS SYSTEMS FOR VOICE DIALIBING
		10-507406	-1	Granted		11-May-01 TA011	REQUING CROSSTALK EXPERIC COMMUNICATIONS SYSTEMS
	GB.	97900172.4		Granted		10-May-00 TA011	RECORDS RESTANCE THE TOTAL COMMUNICATION SYSTEMS
	FR	97900172A		Granted		10-May-00 TA011	REDUCES CONSTRUCT THE COMMUNICATION STATES. REDUCES CONSTRUCT THE COMMUNICATION STATES.
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	CA CA	2,236,835				2-Apr-02 TA011	REDUCING CILICIANS HALE RETIRED CONNECTION LIGHT STATE OF THE PROPERTY OF THE
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United States Patent and Trademark Office

11/22/2006

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/199,797	12/12/2006	7149506	11032RRUS04D	1786

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ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment is 13 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Gregory T. Osterhout, Coppell, TX; Kim B. Holmes, Rowlett, TX; Mark Sosebee, Plano, TX;

11-08-06

PART B - FEE(S) TRANSMITTAL Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE NON O & JUNE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 or <u>Fax</u> (571)-273-2885 INSTRUCTIONS: This form should be used for the properties of ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 5 should be completed where appropriate. All further correspondence including the Party advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address) 35527 7590 08/08/2006 Certificate of Mailing or Transmission DUKE W. YEE I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. YEE & ASSOCIATES, P.C. P.O. BOX 802333 **DALLAS, TX 75380** 11/09/2006 RMEBRAH1 00000049 503157 10199797 01 FC:1501 02 FC:1504 1400.00 DA 300.00 DA (Date APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/199,797 07/19/2002 Gregory T. Osterhout 11032RRUS04D 1786 TITLE OF INVENTION: PORTABLE CALL MANAGEMENT SYSTEM APPLN, TYPE SMALL ENTITY ISSUE FEE DUF PREV. PAID ISSUE FEE PUBLICATION FEE DUE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1400 \$300 \$0 \$1700 11/08/2006 **EXAMINER** ART UNIT **CLASS-SUBCLASS** NGUYEN, THUAN T 2618 455-417000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) St. Laurent, Quebec H45 2A9 Canada Please check the appropriate assignee category or categories (will not be printed on the patent): 🔲 Individual 😢 Corporation or other private group entity 🚨 Government 4a. The following fee(s) are submitted: 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Publication Fee (No small entity discount permitted) Dayment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-3157 (enclose an extra copy of this for Advance Order - # of Copies (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27 b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature

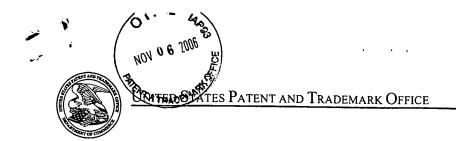
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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NOTICE OF ALLOWANCE AND FEE(S) DUE

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08/08/2006

DUKE W. YEE YEE & ASSOCIATES, P.C. P.O. BOX 802333 DALLAS, TX 75380 EXAMINER

NGUYEN. THUAN T

ART UNIT PAPER NUMBER

2618

DATE MAILED: 08/08/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/199,797	07/19/2002	Gregory T. Osterhout	11032RR1IS04D	1786

TITLE OF INVENTION: PORTABLE CALL MANAGEMENT SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	11/09/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Page 1 of 3

PTOL-85 (Rev. 07/06) Approved for use through 04/30/2007.



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NOTICE OF ALLOWANCE AND FEE(S) DUE

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08/08/2006

DUKE W. YEE YEE & ASSOCIATES, P.C. P.O. BOX 802333 DALLAS, TX 75380 EXAMINER

NGUYEN, THUAN T

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 08/08/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/199 797	07/19/2002	Gregory T. Osterhout	11032RRUS04D	1786

TITLE OF INVENTION: PORTABLE CALL MANAGEMENT SYSTEM

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	11/08/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

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Page 1 of 3

PTOL-85 (Rev. 07/06) Approved for use through 04/30/2007.

PART B - FEE(S) TRANSMITTAL

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appropriate. All further	correspondence including led below or directed other	ng the Patent, advance of	rders and notification of i	naintenance fees wi	red). Blocks 1 through 5 s ill be mailed to the current and/or (b) indicating a sepa	correspondence address :
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						(Date
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/199,797	07/19/2002		Gregory T. Osterhout		11032RRUS04D	1786
TITLE OF INVENTION	N: PORTABLE CALL M	ANAGEMENT SYSTEM	А			
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO NO	\$1400	\$300	\$0	\$1700	11/08/2006
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L	THUAN T	2618	455-417000	J		
CFR 1.363). Change of corresp Address form PTO/S	ence address or indicatio condence address (or Cha B/122) attached. lication (or "Fee Address 022 or more recent) attach	inge of Correspondence	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
	less an assignee is ident th in 37 CFR 3.11. Comp		THE PATENT (print or typer data will appear on the performance of the performance). The performance of the p	atent. If an assigned assignment.	e is identified below, the d	ocument has been filed for
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an application. Confidentially is governed by 3.0.5.6. 122 and 3.0.5.4 (14.1 line collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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PTOL-85 (Rev. 07/06) Approved for use through 04/30/2007.

OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P. O. BOX 1450 Alexandria, Virginia 22313-1450 www.usptn.ov

APPLICATION NO.	FILING DATE	ILING DATE FIRST NAMED INVENTOR		CONFIRMATION NO.	
10/199,797	07/19/2002	Gregory T. Osterhout	11032RRUS04D 1786		
35527	7590 08/08/2006		EXAM	INER	
DUKE W. YEE			NGUYEN,	THUAN T	
YEE & ASSOCIA	ATES, P.C.		ART UNIT	PAPER NUMBER	
P.O. BOX 802333 DALLAS, TX 75			2618 DATE MAILED: 08/08/200	6	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 13 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 13 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/199,797	OSTERHOUT ET AL.			
Notice of Allowability	Examiner	Art Unit			
	THUAN T. NGUYEN	2618			
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in th or other appropriate communic GHTS. This application is subj	is application. If not included cation will be mailed in due course. THIS			
1. This communication is responsive to					
2. The allowed claim(s) is/are 52-62 and 66-69.					
 3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 		f).			
Certified copies of the priority documents have	been received in Application N	No			
Copies of the certified copies of the priority do	cuments have been received in	this national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
4. A SUBSTITUTE OATH OR DECLARATION must be subminification (PTO-152) which give	itted. Note the attached EXAMI es reason(s) why the oath or de	NER'S AMENDMENT or NOTICE OF eclaration is deficient.			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.				
(a) including changes required by the Notice of Draftspers	on's Patent Drawing Review (I	PTO-948) attached			
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date					
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in	the Office action of			
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the d he header according to 37 CFR 1	drawings in the front (not the back) of .121(d).			
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT I 	sit of BIOLOGICAL MATERI FOR THE DEPOSIT OF BIOLO	IAL must be submitted. Note the DGICAL MATERIAL.			
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 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 	_	mal Patent Application (PTO-152)			
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Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's Sta	tement of Reasons for Allowance			
or biological Material	9.				

Application/Control Number: 10/199,797 Page 2

Art Unit: 2618

DETAILED ACTION

Remark

1. Claims 1-51, and 63-65 were canceled. Pending claims 52-62 and 66-69 are for reconsideration.

Allowable Subject Matter

2. Claims 52-62 and 66-69 are allowed.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

The closest prior arts of record issued to Wang and Pepe fails to combine to teach or suggest a method for processing a call as claimed in claim 52 and 56 including at least a step of receiving at a session initiated protocol (SIP) server a notice of a call for a mobile data processing system associated with a user and detailed steps as claimed therein.

As for claim 66, the prior art of record to Buttitta (previous) and Pirot either alone or combine fails to teach or suggest a method for initiating calls comprising at least the step of translating the registration from a first protocol into a second protocol to form a modified registration notice, and then transmitting the modified registration notice to a terminating device as called for in claim 66. Buttitta teaches to have a first registration notice and a second registration notice after the ending of the first call; and there is no motivation or suggestion to modify and/or translating the first registration notice to a modified registration notice from a first protocol into a second protocol. Perot does not anticipate the claim language of claim 66, please refer to the applicant's arguments from page 6 to page 11 for a detailed analysis.

Application/Control Number: 10/199,797 Page 3

Art Unit: 2618

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to the New Central Fax number:

(571) 273-8300, (for Technology Center 2600 only)

Hand deliveries must be made to Customer Service Window,

Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Thuan Nguyen whose telephone number is (571) 272-7895. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM, with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (571) 272-7899.

Art Unit: 2618

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TONYT.NGUYEN FATENT EXAMINER FSAT

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Tony T. Nguyen Art Unit 2618 August 01, 2006

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Application/Control No.	Applicant(s)/Patent under Reexamination	
10/199,797	OSTERHOUT ET AL.	
Examiner	Art Unit	
THUAN T. NGUYEN	2618	

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Application No.	Applicant(s)
10/199,797	OSTERHOUT ET AL.
Examiner	Art Unit
THUAN T NGUYEN	2618

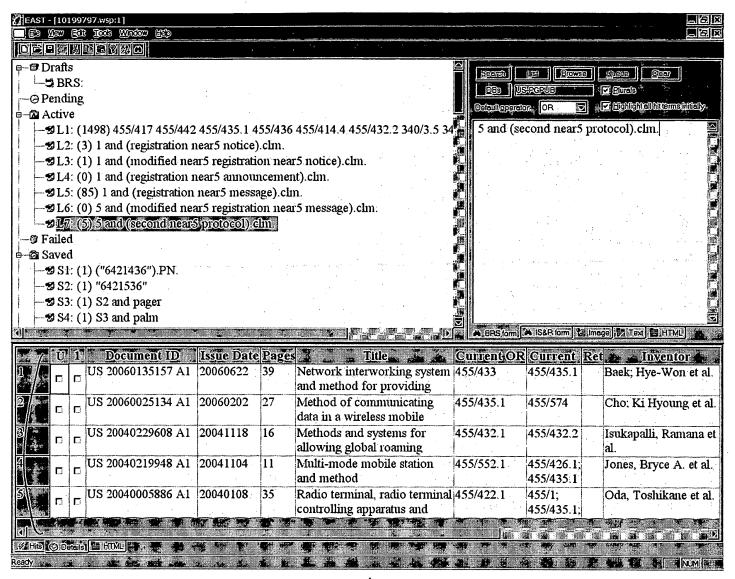
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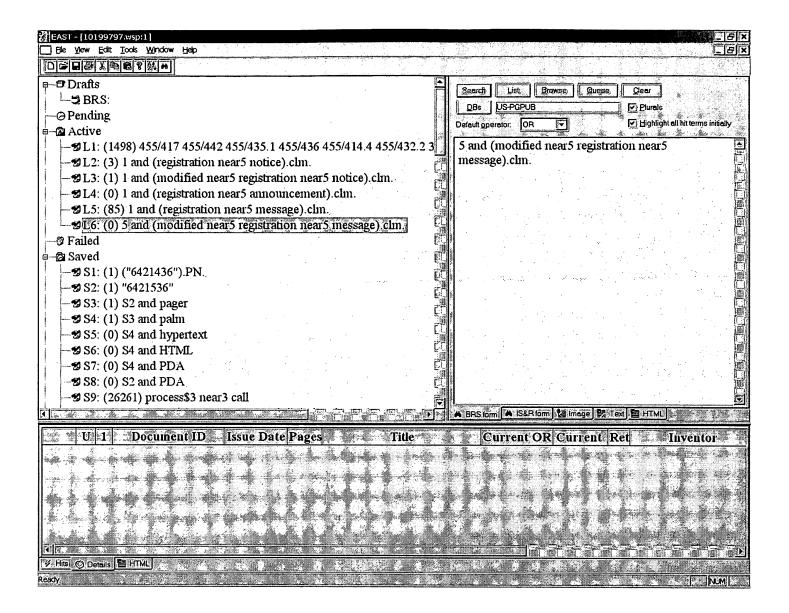
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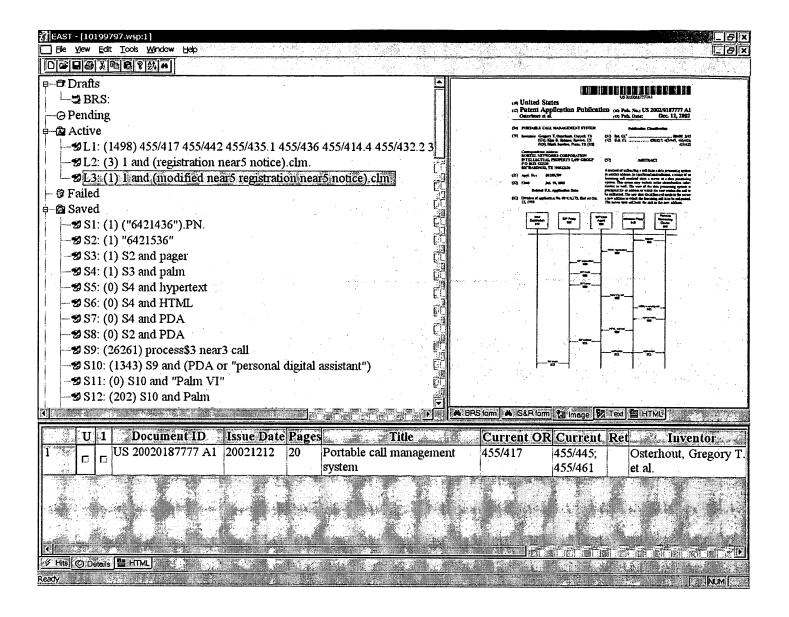
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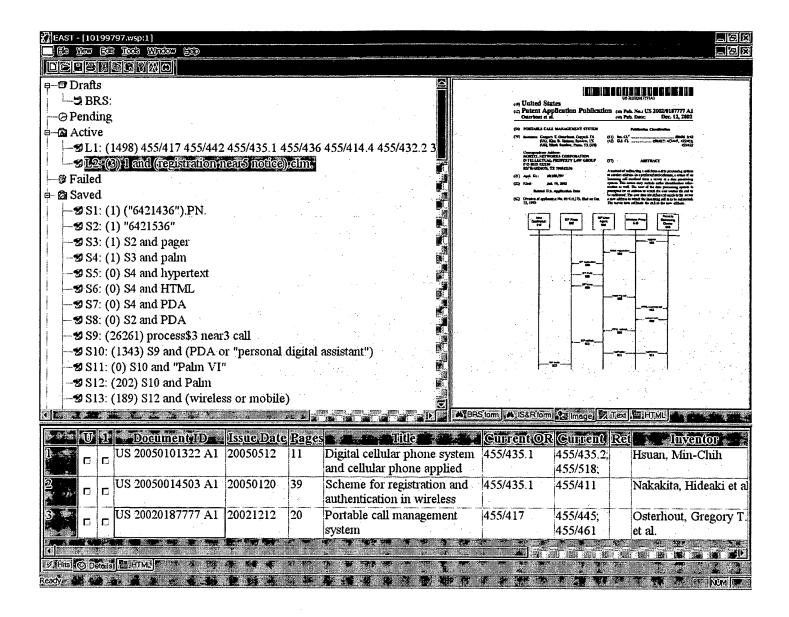
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Yee & Associates, P.C.

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FACSIMILE COVER SHEET

To: Commissioner for Patents for Examiner Thuan T. Nguyen Group Art Unit 2685	Facsimile No. 571/273-8300
From: Candace Crawford Legal Assistant to Ted Fay	No. of Pages Including Cover Sheet: 14

Enclosed herewith:

- · Transmittal; and
- Response to Office Action.

Re: Application Serial No. 10/199,797
Attorney Docket No. 11032RRUS04D

Date: Friday, May 26, 2006

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re application of: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

35527
PATENT TRADEMARK OFFICE

Group Art Unit: 2685

Examiner: Thuan T. Nguyen

Attorney Docket No.: 11032RRUS04D

Certificate of Transmission Under 37 C.F.R. § 1.8(a)

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on May 26, 2006.

By:

Candage Crawford

TRANSMITTAL

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir;

ENCLOSED HEREWITH:

Response to Office Action

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Yee & Associates, P.C. Deposit Account No. 50-3157. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Yee & Associates, P.C. Deposit Account No. 50-3157.

Respectfully submitted,

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PAGE 2/14 * RCVD AT 5/26/2006 4:59:41 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/17 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):04-20

MAY 2 6 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management System

Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450 Group Art Unit: 2685

Examiner: Thuan T. Nguyen

Attorney Docket No.: 11032RRUS04D

Certificate of Transmission Under 37 C.F.R. 8 1.8(a) I hereby certify this correspondence is being transmitted via facsimile to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, facsimile number (571) 273-8300 on May 26, 2006.

Bv:

RESPONSE TO OFFICE ACTION

Sir:

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Yee & Associates, P.C. Deposit Account No. 50-3157. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Yee & Associates, P.C. Deposit Account No. 50-3157.

In response to the Office Action of February 27, 2006, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper. Remarks/Arguments begin on page 5 of this paper.

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PAGE 3/14 * RCVD AT 5/26/2006 4:59:41 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/17 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):04-20

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-51. (Canceled)
- 52. (Previously Presented) A method in a communications system for processing a call, the method comprising:
 - receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user;
 - identifying an address to which the call is to be sent from a database of preferred locations, wherein the user has previously indicated a preferred location;
 - sending a first request to setup the call to the mobile data processing system associated with a the user, wherein the mobile data processing system has a wireless communications capability;
 - sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system; and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed;
 - receiving, prior to establishing the call, a response to the request, wherein the response includes
 the address for the call input by the user of the mobile data processing system in response
 to receiving the notification message; and
 - sending a second request to setup the call to the user using the address.
- 53. (Original) The method as recited in claim 52, wherein the data processing system is a personal digital assistant.
- 54. (Previously Presented) The method as recited in claim 53, wherein the personal digital assistant is a Palm VII.
- 55. (Original) The method as recited in claim 52, wherein the request and the response are session initiation protocol messages.

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56. (Previously Presented) A method for processing a call at a data processing system the method comprising:

receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user;

identifying an address to which the call is to be sent from a database of preferred locations, wherein the user has previously indicated a preferred location;

receiving a notification message at the data processing system indicating a request to setup the call;

presenting the notification to the user at the data processing system;

receiving the request to establish the call;

presenting caller information at the data processing system;

receiving user input from the user identifying an address to which the call is to be directed; and responsive to an identification of the address for the call, returning a response including the address to which the call is to be directed.

- 57. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises displaying the caller information.
- 58. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises presenting the caller information audibly.
- 59. (Original) The method as recited in claim 56, wherein the request and the response are session initiation protocol messages.
- 60. (Original) The method as recited in claim 56, wherein the data processing system is a wireless device.
- 61. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises a vibrating alert.
- 62. (Original) The method as recited in claim 56, wherein the data processing system is a two-way pager.
- 63-65. (Canceled)

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- 66. (Currently Amended) A method for initiating calls, comprising the steps of:
 receiving a registration notice of an incoming call, wherein said registration notice is formatted in
 a first protocol:
 - translating said registration notice from the first protocol into a second protocol to form a modified registration notice; and
 - transmitting the modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.
- 67. (Original) The method as recited in claim 66, further comprising:
 - selecting, at a session initiated protocol (SIP) server, an address to which the user has previously selected the call be sent from a database of preferred locations;
 - receiving a location data with which to redirect the incoming call from the terminating device; wherein the location data is formatted in the second protocol; and
 - translating the location data to a second location data; and
 - transmitting the second location data, wherein the second location data is formatted in the second protocol.
- 68. (Original) The method as recited in claim 66, wherein the first protocol is a session initiation protocol.
- 69. (Original) The method as recited in claim 66, wherein the second protocol is a hypertext markup language.

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REMARKS/ARGUMENTS

Claims 52-62 and 66-69 are pending in the present application. Claim 66 is amended to correct a typographical error that does not affect the scope of the claim. Reconsideration of the claims is respectfully requested.

I. Comments on Statement of Reasons for Allowance

Regarding the allowance of claims 52-62, the examiner states that:

The closest prior arts of record issued to Wang and Pepe fails to combine to teach or suggest a method for processing a call as claimed in claim 52 and 56 including at least a step of receiving at a session initiated protocol (SIP) server a notice of a call for a mobile data processing system associated with a user and detailed steps as claimed therein.

Office Action of February 27, 2006, p. 2.

In response, Applicants point out that claims 52-62 contain other features not taught or suggested by the references. Thus, these claims also should be allowable for reasons other than those identified by the examiner.

II. 35 U.S.C. 8 102, Asserted Anticipation

The examiner rejected claims 66 and 68-69 as anticipated by *Pirot et al.*, <u>System and Method of Controlling and Managing Voice and Data Services in a Telecommunications Network</u>, U.S. Patent 6,856,676 (February 15, 2005) (hereinafter "*Pirot*"). This rejection is respectfully traversed.

A prior art reference anticipates the claimed invention under 35 U.S.C. § 102 only if every element of a claimed invention is identically shown in that single reference, arranged as they are in the claims. In re Bond, 910 F.2d 831, 832, 15 U.S.P.Q.2d 1566, 1567 (Fed. Cir. 1990). All limitations of the claimed invention must be considered when determining patentability. In re Lowry, 32 F.3d 1579, 1582, 32 U.S.P.Q.2d 1031, 1034 (Fed. Cir. 1994). Anticipation focuses on whether a claim reads on the product or process a prior art reference discloses, not on what the reference broadly teaches. Kalman v. Kimberly-Clark Corp., 713 F.2d 760, 218 U.S.P.Q. 781 (Fed. Cir. 1983). In this case each and every feature of the presently claimed invention is not identically shown in the cited reference, arranged as they are in the claims.

Claim 66 is as follows:

66. (Currently Amended) A method for initiating calls, comprising the steps of: receiving a registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;

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translating said registration notice from the first protocol into a second protocol to form a modified registration notice; and transmitting the modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.

Regarding claim 66, Pirot does not anticipate claim 66 because Pirot does not teach the features of claim 66. Pirot does not teach any of the claimed features because Pirot does not teach receiving a registration notice, translating the registration notice as claimed, or transmitting the modified registration notice as claimed.

The examiner asserts otherwise, stating that:

Claims 66 and 68-69 are rejected under 35 U.S.C. 102(e) as being anticipated by *Pirot et al.* (U.S. Patent No. 6,856,676 Bl).

Regarding claim 66, Pirot discloses a method for initiating calls comprising the steps of receiving registration of an incoming call, which is formatted in a first protocol, and translating the registration from the first protocol to a second protocol to form a modified registration notice, and transmitting the modified registration notice to a terminating device, and the modified registration notice formatted in a second protocol (refer to Figs. 1 & 3, an incoming call is registered with the system in a first protocol -called registration admission status using a number of protocols including a first protocol session initiation protocol or SIP, refer to col. 5/lines 30-40; and as the system receives the registration notice, the registration is being modified to form a modified registration notice with the use of service provisioning within a service management subsystem 52, refer to col. 11/lines 17-41, to a second protocol (col. 13/line 54-65); and the modified registration notice is sending to the terminating device in the format of the second protocol in HTML (see col. 13/line 49 to col. 14/line 13 for provisioning and modification of registration services into HTML-a second protocol; and col. 16/lines 36-48 for presentation to the customer using graphical screen layouts).

As for claims 68 and 69, as already noted and explained above, *Pirot* discloses wherein the first protocol is a session initiation protocol and the second protocol is a hypertext markup language.

Office Action dated February 27, 2006 pp. 3-4.

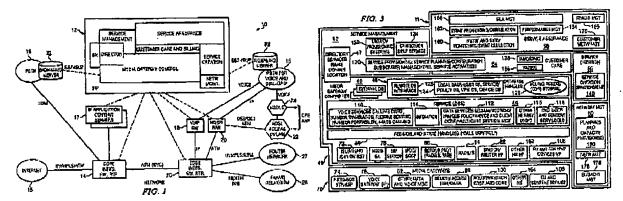
However, the examiner's characterization of *Pirot* is mistaken. Applicants address each of the examiner's assertions in turn. First, the examiner asserts that figures 1 and 3 of *Pirot* teach the claimed features. These figures are as follows:

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These figures do not teach or suggest a registration notice. These features do not teach or suggest translating or transmitting a registration notice in the claimed manner. Other than referring to the text in Ptrot, the examiner does not state where these figures show receiving, translating, or sending a translation notice in the claimed manner. However, as shown below, nothing in the text or figures of Pirot teaches these claimed features.

Instead, these figures teach an integrated communication system able to deal with both data and voice communications via media gateway control 12, as shown in figure 1. Figure 3 shows some of the operational details of the system shown in Figure 1. However, nothing in either figure mentions registration notices and nothing in either figure teaches translating or transmitting a registration notice, as claimed in claim 66.

Next, the examiner asserts that Pirot teaches that:

an incoming call is registered with the system in a first protocol -called registration admission status using a number of protocols including a first protocol session initiation protocol or SIP, refer to col. 5/lines 30-40;

Office Action dated February 27, 2006 p. 3.

However, the examiner's characterization of Pirot is mistaken. The text cited by the examiner is as follows:

> FIG. 3 is a more detailed block diagram of system and method of controlling and managing Internet protocol services in a voice/data telecommunications network 11. It may be seen that the lowest layer of media gateway controller 40 contains the interfaces to various media gateways 70. Media gateway interface 42 may include a first interface 72 which provides SS7 signaling to PSTN or switched circuit networks (SCN) 74 with ISUP (integrated services digital network user part) for interfacing to STP/SSP (signaling transfer point/service switching point) and INAP (intelligent network application protocol) and IS41 for interfacing to IN devices and HLR (home location register) systems. A second interface 76 provides interface functions to voice gateways 78 in a number of protocols, such as RAS (registration admission status) protocol interface for connecting to H.323 VoIP gateways and H.323 end-points. Other protocols interfacing to VOIP

> > Page 7 of 12 Osterhout et al. - 10/199,797

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gateways may include SIP (session initiation protocol) and IP device control/simple gateway control protocol (IPDC/SGCP). SIP is targeted at IP services such as click-to-dial or real-time fax. IPDC and SGCP will be combined into a common protocol referred to as media gateway controller protocol (MGCP).

Pirot, col. 5, ll. 19-40 (emphasis to show portion cited by the examiner).

This portion of *Pirot* teaches that media gateway controller 40 in figure 3 contains the interfaces to various media gateways. The media gateway interface can include first and second interfaces that allow communication of signals across different protocols. In the portion cited by the examiner, the second interface provides interface functions to voice gateways in a number of protocols, including registration admission status protocol. Registration admission status protocol is an interface for connecting to H.323 VoIP (voice over internet protocol) gateways and H.323 end-points. (H.323 is a protocol used for video telephone conferencing). *Pirot* also states that other protocols for interfacing VoIP gateways can include SIP (session initiated protocol) and IPDC/SGCP (Internet protocol device control/ simple gateway control protocol).

However, this portion of *Pirot* does not teach that an incoming call is *registered* with the system in registration admission status protocol, as the examiner asserts. *Pirot* does not teach this claimed feature. Instead, *Pirot* teaches that *registration admission status protocol* is used to provide an interface to a voice gateway. Similarly, this portion of *Pirot* does not teach "translating said *registration notice* from the first protocol into a second protocol to form a *modified registration notice*," as claimed. Similarly, this portion of *Pirot* does not teach "transmitting the modified registration notice to a terminating device," as claimed. As shown further below, nothing in *Pirot* teaches these claimed features.

Next, the examiner asserts that Ptrot teaches that:

as the system receives the registration notice, the registration is being modified to form a modified registration notice with the use of service provisioning within a service management subsystem 52, refer to col. 11/lines 17-41, to a second protocol (col. 13/line 54-65);

Office Action dated February 27, 2006 pp. 3-4.

Again, the examiner's characterization of *Pirot* is mistaken. The first portion of text cited by the examiner is as follows:

A service management subsystem 52 provides easy entry of user and services data employing different interfaces, such as operator entry (service provisioning), import of files (legacy provisioning), and user self-registration (customer self service). Further, the service management subsystem 52 provides a link between users and services with very extensive authorization levels, i.e. access to different categories of services (e.g. using IP filtering) or different service quality levels (e.g. by managing access to virtual circuits and tunnels). The service management subsystem 52 also provides extended accounting, taking into

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PAGE 10/14 * RCVD AT 5/26/2006 4:59:41 PM (Eastern Daylight Time) * SVR:USPTO-EFXRF-1/17 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):04-20

account time and volume based billing (billing tickets, rating and invoicing). Billing processing is performed in three steps. First, the billing tickets are generated and stored. Then rating is performed by converting raw format into "money tickets" by taking into account all kinds of teleo-oriented parameters such as time, holiday and even access speed. Third, the invoice for each user is the computed. The service management subsystem 52 further provides interfaces to other systems to incorporate transaction-based billing from e-mail, WWW servers, etc. The data can be extracted by the operator on every level out of a standard database using service management functions. The service management subsystem 52 allows reporting of data by generating pre-formatted statistics reports and user-specified reports.

Pirot, col. 11, 11. 17-41.

This portion of *Pirot* does not teach that the registration of a call is being modified to form a modified registration notice with the use of service provisioning within a service management subsystem 52, as the examiner suggests. Instead, this portion of *Pirot* teaches that the service management subsystem 52 allows a user to "register," or enroll, with the subsystem in order to manipulate various aspects of the user's account, such as billing, level of service, or other aspects of the user's account. In fact, this portion of *Pirot* has absolutely nothing to do with modifying or translating a registration notice of a call. Thus, this portion of *Pirot* is wholly irrelevant to claim 66.

Nevertheless, the examiner asserts that the following portion of *Pirot* teaches translating the "first registration notice" to a "second protocol:"

The service management subsystem 52 also incorporates a powerful service packaging system which allows operators to identify and isolate a group of services (sites) on a network and offer this as a package to which subscribers can register. The service packaging application includes a GUI management program which allows a user to set up description records of service package(s) and the host that belong to this package. The system is hierarchical, this means that a package can have sub-categories, sub-categories can have further sub-categories etc. Definitions of services can be retrieved or modified from the host database if the service is already individually registered.

Pirot, col. 13, 11. 54-65.

This portion of *Pirot* does not teach translating the registration notice from a first protocol to a second protocol in the claimed manner. Instead, this portion of *Pirot* teaches that the service management subsystem 52 allows operators to identify and isolate a group of services on a network and offer the group of services as a package of service to which the subscribers can register. In this context, the term "to register" means "to enroll." Thus, *Pirot* is again describing the functionality of service management subsystem 52 in terms of a customer service interface that allows users to enroll in different service levels. This functionality of *Pirot* is wholly irrelevant to translating a *registration notice* of a call into a second protocol, as claimed in claim 66.

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PAGE 11/14 * RCVD AT 5/26/2006 4:59:41 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/17 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):04-20

Nevertheless, the examiner goes on to assert that:

and the modified registration notice is sending to the terminating device in the format of the second protocol in HTML (see col. 13/line 49 to col. 14/line 13 for provisioning and modification of registration services into HTML-a second protocol...).

Office Action dated February 27, 2006 p. 4.

However, the examiner's characterization of *Pirot* again is mistaken. The text cited by the examiner is as follows:

It should be noted that owners of a host can themselves manipulate certain parameters of their host profile (those that the operator deems to be appropriate) via the embedded WWW/HTTP server using CGI programs and HTML forms or Java applets.

The service management subsystem 52 also incorporates a powerful service packaging system which allows operators to identify and isolate a group of services (sites) on a network and offer this as a package to which subscribers can register. The service packaging application includes a GUI management program which allows a user to set up description records of service package(s) and the host that belong to this package. The system is hierarchical, this means that a package can have sub-categories, sub-categories can have further sub-categories etc. Definitions of services can be retrieved or modified from the host database if the service is already individually registered.

Data that are stored in the service packaging tables includes name of the service, short description of what is offered, full description, hyper-link to the service, service provider name, opening hours, location, billing tariff, bitmap and HTML header and trailer for directory page, link to advertisement pages of service provider, and package membership of this service.

Based on this formation, an automatic HTML directory application is generated from the data stored in the RDBMS. This application can be in the limited individual for each user, so that each user enters in a complete customized welcome tree, from where he can select services from the service categories he has subscribed to. In practice a limited number of service packages will be created to fit the needs of certain groups of users.

Pirot, col. 13, 1, 49 through col. 14, 1, 13.

As pointed out above, the second paragraph quoted above teaches allowing customers to enroll with different services using service management subsystem 52. The expanded text also teaches that owners of a host can manipulate host profiles. The expanded text also teaches that data are stored in service packaging tables that include HTML header and trailers for directory pages, as well as links to other sites regarding a service. The expanded text also teaches that an automatic HTML directory application is generated from the data stored in the system. The HTML directory allows users to enter

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PAGE 12/14 * RCVD AT 5/26/2006 4:59:41 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/17 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):04-20

into the system in a "complete customized welcome tree, from where he can select services from the service categories he has subscribed to" (emphasis supplied).

However, this portion of *Pirot* does not teach the claimed feature of "transmitting the modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol." In fact, this portion of *Pirot* only deals with the customer service aspects of *Pirot*'s system. Therefore, this portion of *Pirot* is wholly irrelevant to claim 66.

Additionally, nothing else in *Pirot* teaches or suggests the features of claim 6. A simple "find" command with a word processor or browser will verify that *Pirot* never mentions the term "registration notice." *Pirot* never teaches translating or transmitting registration notices in the claimed manner.

Because *Pirot* does not teach any of the features of claim 66, *Pirot* does not anticipate claim 66. Additionally, *Pirot* teaches nothing that would suggest these claimed features. Thus, the rejection of claim 66 over *Pirot* is in error and should be withdrawn.

Because claims 68 and 69 depend from claim 66, the same distinctions between *Pirot* and claim 66 can be made for these claims. Additionally, claims 68 and 69 claim other additional combinations of features not suggested by the reference. For example, *Pirot* does not teach the feature that the second protocol is a hypertext markup protocol, as claimed in claim 69. Consequently, it is respectfully urged that the rejection of claims 68 and 69 have been overcome.

As shown above, *Pirot* does not teach the features of claims 66, 68, and 69. Therefore, the rejection of these claims under 35 U.S.C. § 102 has been overcome.

Furthermore, *Pirot* does not teach, suggest, or give any incentive to make the needed changes to reach the presently claimed invention. Absent the examiner pointing out some teaching or incentive to implement *Pirot* and receiving, translating, and transmitting a registration notice as claimed in claim 66, one of ordinary skill in the art would not be led to modify *Pirot* to reach the present invention when the reference is examined as a whole. Absent some teaching, suggestion, or incentive to modify *Pirot* in this manner, the presently claimed invention can be reached only through an improper use of hindsight using the applicants' disclosure as a template to make the necessary changes to reach the claimed invention.

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III. Conclusion

It is respectfully urged that the subject application is patentable over *Ptrot* and is now in condition for allowance.

The examiner is invited to call the undersigned at the below-listed telephone number if in the opinion of the examiner such a telephone conference would expedite or aid the prosecution and examination of this application.

DATE: May 26, 2006

Respectfully submitted,

Valy-

Theodore II. Fay III Reg. No. 48,504

Yee & Associates, P.C.

P.O. Box 802333

Dallas, TX 75380 (972) 385-8777

Attorney for Applicants

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/199,797	07/19/2002	Gregory T. Osterhout	11032RRUS04D	1786
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DUKE W. Y	/EE		NGUYEN,	THUAN T
	OCIATES, P.C.		ART UNIT	PAPER NUMBER
P.O. BOX 80 DALLAS, T			2685	
, .			DATE MAILED: 02/27/2000	6

Please find below and/or attached an Office communication concerning this application or proceeding.

•		
	Application No.	Applicant(s)
Office Action Summany	10/199,797	OSTERHOUT ET AL.
Office Action Summary	Examiner	Art Unit
The MAN INC DATE of this communication are	THUAN T. NGUYEN	2685
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the t	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on		
,—	action is non-final.	
3) Since this application is in condition for allowar	•	
closed in accordance with the practice under E	x parte Quayle, 1955 C.D. 11, 45	33 O.G. 213.
Disposition of Claims		
4) Claim(s) <u>52-62 and 66-69</u> is/are pending in the	• •	
4a) Of the above claim(s) is/are withdraw	n from consideration.	
5)⊠ Claim(s) <u>52-62</u> is/are allowed. 6)⊠ Claim(s) <u>66,68 and 69</u> is/are rejected.		
7)⊠ Claim(s) <u>67</u> is/are objected to.		
8) Claim(s) are subject to restriction and/or	election requirement.	
Application Papers		
9)☐ The specification is objected to by the Examiner	۲.	
10)☐ The drawing(s) filed on is/are: a)☐ acce	epted or b) objected to by the I	Examiner.
Applicant may not request that any objection to the o	frawing(s) be held in abeyance. See	e 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correcti		•
11) The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).
1. Certified copies of the priority documents	have been received.	
Certified copies of the priority documents	have been received in Applicati	on No
Copies of the certified copies of the prior		ed in this National Stage
application from the International Bureau		
* See the attached detailed Office action for a list of	of the certified copies not receive	3 G .
Attachment(s) 1) Notice of References Cited (PTO-892)	4 , □ 1	(0.70, 440)
2) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P 6) Other:	Patent Application (PTO-152)

U.S. Patent and Trademark Office PTOL-326 (Rev. 7-05) Application/Control Number: 10/199,797

Art Unit: 2685

Page 2

DETAILED ACTION

Remarks

1. Claims 52-62 and 66-69 are pending for examination. The examiner offered a suggestion to the applicants' representative to revise claim 66 on Feb 02, 2006 on a telephone discussion for this claim to be in a better condition for allowance, but the applicants' representative denies complying with the examiner's suggestion and prefers the claim stayed as it is.

Allowable Subject Matter

- 2. Claims 52-62 are allowed.
- 3. The indicated allowability previously of claims 68 and 69 is withdrawn in view of the newly discovered reference(s) to Pirot et al. (US Patent no. 6,856,676 B1). Rejections based on the newly cited reference(s) follow.

Reasons for Allowance

4. The following is an examiner's statement of reasons for allowance:

The closest prior arts of record issued to Wang and Pepe fails to combine to teach or suggest a method for processing a call as claimed in claim 52 and 56 including at least a step of receiving at a session initiated protocol (SIP) server a notice of a call for a mobile data processing system associated with a user and detailed steps as claimed therein.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Response to Arguments

5. Applicant's arguments with respect to claims 66-69 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC 102

- 6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
 - A person shall be entitled to a patent unless -(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 7. Claims 66 and 68-69 are rejected under 35 U.S.C. 102(e) as being anticipated by Pirot et al. (U.S. Patent No. 6,856,676 B1).

Regarding claim 66, Pirot discloses a method for initiating calls comprising the steps of receiving registration of an incoming call, which is formatted in a first protocol, and translating the registration from the first protocol to a second protocol to form a modified registration notice, and transmitting the modified registration notice to a terminating device, and the modified registration notice formatted in a second protocol (refer to Figs. 1 & 3, an incoming call is registered with the system in a first protocol—called registration admission status using a number of protocols including a first protocol session initiation protocol or SIP, refer to col. 5/lines 30-40; and as the system receives the registration notice, the registration is being modified to form a modified registration notice with the use of service provisioning within a service management

Application/Control Number: 10/199,797

Art Unit: 2685

subsystem 52, refer to col. 11/lines 17-41, to a second protocol (col. 13/line 54-65); and the modified registration notice is sending to the terminating device in the format of the second protocol in HTML (see col. 13/line 49 to col. 14/line 13 for provisioning and modification of registration services into HTML-a second protocol; and col. 16/lines 36-48 for presentation to the customer using graphical screen layouts).

As for claims 68 and 69, as already noted and explained above, Pirot discloses wherein the first protocol is a session initiation protocol and the second protocol is a hypertext markup language.

Allowable Subject Matter

- 8. Claims 67 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 9. The following is a statement of reasons for the indication of allowable subject matter:

 The closest prior art of Pirot does not further disclose the feature of claim 66 AND the steps as claimed in claim 67.

Conclusion

10. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

or faxed to the New Central Fax number:

(571) 273-8300, (for Technology Center 2600 only)

Hand deliveries must be made to Customer Service Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Thuan Nguyen whose telephone number is (571) 272-7895. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM, with alternate Fridays off.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TONYT. NGUYEN
PATENT EXAMINER

Dynyrhan

Tony T. Nguyen Art Unit 2685 February 17, 2006

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	Α	US-6,856,676 B1	02-2005	Pirot et al.	379/201.01
	В	US-			
	С	US-			
	D	US-			
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office PTO-892 (Rev. 01-2001)

Notice of References Cited

Part of Paper No. 021306

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U.S. Patent and Trademark Office

Part of Paper No. 71505-2170C



Bib Data Sheet

CONFIRMATION NO. 1786

SERIAL NUMBER 10/199,797	FILING DATE 07/19/2002 RULE	(CLASS 455	GRO	OUP ART -2684 -268	·	C	ATTORNEY OCKET NO. 032RRUS04D
APPLICANTS Gregory T. O. Kim B. Holme Mark Sosebe	sterhout, Coppell, TX; s, Rowlett, TX; e, Plano, TX;							
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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4700	registration near5 (call or notice or acknowledg\$5)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:47
L2	351	1 and "session initiation protocol"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:45
L3	13	2 and "second protocol"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:45
L4	5	3 and ("hypertext markup language" or HTML)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:45
L5	1762	registration and ("session initiation protocol" or SIP)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:45
L6	247	5 and ("hypertext markup language" or HTML)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:46
L7	9	6 and "second protocol"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:45
L8	1	6 and (modified near5 registration)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:46
. L9	1	6 and (modified near5 notice)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:46
L10	.7	6 and (modified near5 (call or notice or acknowledg\$5))	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:48
L11	195	6 and modif\$4	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:49
L12	46	6 and modif\$4	USPAT	OR	ON	2006/02/17 16:43
L13	46	12 and protocol	US-PGPUB; USPAT; EPO	OR	ON	2006/02/17 15:49
L14	2	13 and (modif\$4 same registration)	USPAT	OR	ON	2006/02/17 16:43
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S2	1	"6421536"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:22

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Page 1

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S3	1	S2 and pager	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:21
S4	1	S3 and palm	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:21
S5	0	S4 and hypertext	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:21
S6	.0	S4 and HTML	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:21
S7	0	S4 and PDA	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:22
S8	0	S2 and PDA	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:22
S9	26261	process\$3 near3 call	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:22
S10	1343	S9 and (PDA or "personal digital assistant")	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:23
S11	0	S10 and "Palm VI"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:23
S12	202	S10 and Palm	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:24
S13	189	S12 and (wireless or mobile)	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:24
S14	54	S13 and setup	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:24
S15	72	S13 and (set\$1up or setup or "setting up")	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:25
S16	60	S15 and (protocol and address)	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:25
S17	51	S16 and (redirect\$3 or rerout\$3 or transferr\$3)	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:26

Page 2

S18	47	S17 and (request and response)	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:26
S19	21	S18 and ("caller ID" or (caller near2 identification))	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:27
S20	13	S19 and pager	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 16:07
S21	2	S20 and hypertext	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:27
S22	2	S20 and HTML	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:28
S24	2	S19 and "session initiation protocol"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:50
S25	4	S18 and "session initiation protocol"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:51
S26	4	S17 and "session initiation protocol"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:52
S27	7	S16 and "session initiation protocol"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:53
S28	12	S13 and "session initiation protocol"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 15:09
S29	3	S28 and (hypertext or HTML)	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:53
S30	1	"6421536"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 15:09
S31	0	S30 and PDA	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 15:09
S32	1	S30 and pager	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 15:09
S33	1	S32 and palm	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 15:10

S34	. 0	S33 and "personal digital assistant"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 15:45
S35	1	S33 and (audio or audibly or vibrat\$3 or alert\$3)	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 15:47
S36	12	S28 and (audio or audibly or vibrat\$3 or alert\$3)	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 16:02
S37	3	S28 and (vibrat\$3 or alert\$3)	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 16:02
S38		("6161134").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2003/09/08 16:02
S39	0	S38 and (vibrat\$3)	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 16:03
S40	0	S39 and alert\$3	US-PGPUB; USPAT; EPO	OR .	ON	2003/09/08 16:03
S41	0	S38 and pager	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 16:03
S42	0	S38 and pag\$3	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 16:03
S43	8	S20 and vibrat\$3	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 16:07
S44	24318	initiat\$3 near5 call	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 16:57
S45	24	S44 and "registration notice"	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 16:58
S46	35	S44 and (registration near5 notice)	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:43
S47	31	S46 and protocol	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 16:58
S48	1	S47 and (modified near5 registration)	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:00

S49	1	S47 and (second near5 protocol)	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:44
S50	1	S45 and (modified near5 registration)	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:41
S51	1291	455/417 455/442 455/435.1 455/436 455/414.4 455/432.2 340/3.5 340/3.52 340/3.53 340/3. 54 340/7.45 340/7.46	US-PGPUB	OR	ON	2006/01/21 17:43
S52	3	S51 and (registration near5 notice). clm.	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:45
S53	42	S51 and (second near5 protocol). clm.	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:44
S54	1	S53 and (registration near5 notice). clm.	US-PGPUB	OR	ON	2006/01/21 17:45
S55	0	S51 and "session initiated protocol". clm.	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:46
S56	14	S51 and SIP.clm.	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:46
S57	6	S56 and address.clm.	US-PGPUB; USPAT; EPO	OR	ON .	2006/01/21 17:46
S58	4	S57 and message.clm.	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:47
S59	2	S58 and notification.clm.	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:47
S60	· 1	S59 and call.clm.	US-PGPUB; USPAT; EPO	OR	ON	2006/01/21 17:47

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From: Carrie Parker Legal Assistant to Ted Fay	No. of Pages Including Cover Sheet: 12									
Message:										
Transmitted herewith:										
 Transmittal Document; and Response to Office Action. 										
Re: Application No. 10/199,797 Attorney Docket No: 11032RRUS04D										
Date: Tuesday, November 22, 2005										
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOV 2 2 2005

In re application of: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

PATENT TRADEMARK OFFICE CUSTOMER NUMBER

Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

Certificate of Transmission Under 37 C.F.R. & 1.8(a) I hereby certify this correspondence is being transmitted via facsimile to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, facsimile number (571) 273-8300 on November 22, 2005.

Carrie Carrie Parker

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Response to Office Action

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Yee & Associates, P.C. Deposit Account No. 50-3157. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Yee & Associates, P.C. Deposit Account No. 50-3157.

Respectfully submitted,

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Registration No. 48,504

Duke W. Yee

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Dallas, Texas 75380

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ATTORNEYS FOR APPLICANTS

PAGE 2/12 * RCVD AT 11/22/2005 4:23:05 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/40 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):03-24

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re application of: Osterhout et al.

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Attorney Docket No.: 11032RRUS04D

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By: Carrie Parker

RESPONSE TO OFFICE ACTION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Yee & Associates, P.C. Deposit Account No. 50-3157. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Yee & Associates, P.C. Deposit Account No. 50-3157.

In response to the Office Action dated August 23, 2005, please amend the above-identified application as follows:

Amendments to the Claims begin on page 2 of this paper. Remarks begin on page 5 of this paper.

> Page 1 of 10 Osterhout et al. - 10/199,797

PAGE 3/12 * RCVD AT 11/22/2005 4:23:05 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/40 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):03-24

IN THE CLAIMS:

- 1-51. (Canceled)
- 52. (Previously Presented) A method in a communications system for processing a call, the method comprising:
 - receiving, at a session imitiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user;
 - identifying an address to which the call is to be sent from a database of preferred locations, wherein the user has previously indicated a preferred location;
 - sending a first request to setup the call to the mobile data processing system associated with a the user, wherein the mobile data processing system has a wireless communications capability:
 - sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system; and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed;
 - receiving, prior to establishing the call, a response to the request, wherein the response includes the address for the call input by the user of the mobile data processing system in response to receiving the notification message; and

sending a second request to setup the call to the user using the address.

- 53. (Original) The method as recited in claim 52, wherein the data processing system is a personal digital assistant.
- 54. (Previously Presented) The method as recited in claim 53, wherein the personal digital assistant is a Palm VII.
- 55. (Original) The method as recited in claim 52, wherein the request and the response are session initiation protocol messages.

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PAGE 4/12 * RCVD AT 11/22/2005 4:23:05 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/40 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):03-24

56. (Previously Presented) A method for processing a call at a data processing system the method comprising:

receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user;

identifying an address to which the call is to be sent from a database of preferred locations, wherein the user has previously indicated a preferred location;

receiving a notification message at the data processing system indicating a request to setup the call;

presenting the notification to the user at the data processing system;

receiving the request to establish the call;

presenting caller information at the data processing system;

receiving user input from the user identifying an address to which the call is to be directed; and

responsive to an identification of the address for the call, returning a response including the address to which the call is to be directed.

- 57. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises displaying the caller information.
- 58. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises presenting the caller information audibly.
- 59. (Original) The method as recited in claim 56, wherein the request and the response are session initiation protocol messages.
- 60. (Original) The method as recited in claim 56, wherein the data processing system is a wireless device.
- 61. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises a vibrating alert.

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62. (Original) The method as recited in claim 56, wherein the data processing system is a two-way pager.

63-65. (Canceled)

- 66. (Currently Amended) A method for initiating calls, comprising the steps of: receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;
 - translating said registration notice from the first protocol into a second protocol to form a modified registration notice; and
 - transmitting [[a]] the modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.
- 67. (Original) The method as recited in claim 66, further comprising: selecting, at a session initiated protocol (SIP) server, an address to which the user has previously selected the call be sent from a database of preferred locations; receiving a location data with which to redirect the incoming call from the terminating device; wherein the location data is formatted in the second protocol; and translating the location data to a second location data; and transmitting the second location data, wherein the second location data is formatted in the second protocol.
- 68. (Original) The method as recited in claim 66, wherein the first protocol is a session initiation protocol.
- 69. (Original) The method as recited in claim 66, wherein the second protocol is a hypertext markup language.

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REMARKS

Claims 52-62 and 66-69 are pending in the present application. Claim 66 is amended. Reconsideration of the claims is respectfully requested.

I. 35 U.S.C. § 102, Anticipation

The examiner rejects claim 66 as anticipated by Buttitta et al., Arrangement for Providing a Call Hand-Off for a Mobile Station from a Land-Line Supported Private Base Station to a Cellular Base Station Operating in a Cellular System, U.S. Patent 5,913,166 (June 15, 1999) (hereinafter "Buttitta"). This rejection is respectfully traversed.

As to claim 66 the Office Action states:

Regarding claim 66, Buttitta discloses a method for initiating calls comprising the steps of receiving registration of an incoming call, which is formatted in a first protocol, and translating the registration from the first protocol to a second protocol, and transmitting a modified registration notice to a terminating device, and the modified registration notice formatted in a second protocol (refer to Fig. 1, 2A & 2B as the mobile terminal registers with its private system in a first protocol, and as the mobile hands off or transfers an active call to a public communication system, the system modifies the registration in a second protocol, which is the public communication system, and the acknowledgement or modified registration notice is sending to the terminal for call activation, see further details on col. 5/line 48 to col. 6/line 26 and col. 7/line 35 to col. 8/line 23).

Office Action of August 23, 2005, p. 3.

A prior art reference anticipates the claimed invention under 35 U.S.C. § 102 only if every element of a claimed invention is identically shown in that single reference, arranged as they are in the claims. In re Bond, 910 F.2d 831, 832, 15 U.S.P.Q.2d 1566, 1567 (Fed. Cir. 1990). All limitations of the claimed invention must be considered when determining patentability. In re Lowry, 32 F.3d 1579, 1582, 32 U.S.P.Q.2d 1031, 1034 (Fed. Cir. 1994). Anticipation focuses on whether a claim reads on the product or process a prior art reference discloses, not on what the reference broadly teaches. Kalman v. Kimberly-Clark Corp., 713 F.2d 760, 218 U.S.P.Q. 781 (Fed. Cir. 1983). In this case each and every feature of the presently claimed invention is not identically shown in the cited reference, arranged as they are in the claims.

Claim 66 as amended is as follows:

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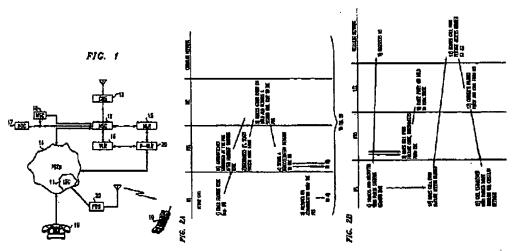
PAGE 7/12 * RCVD AT 11/22/2005 4:23:05 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/40 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):03-24

66. A method for initiating calls, comprising the steps of: receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;

translating said registration notice from the first protocol into a second protocol to form a modified registration notice; and transmitting the modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.

Buttitta does not anticipate claim 66 because Buttitta does not teach the claimed feature of "translating said registration notice from the first protocol into a second protocol" Buttitta also does not teach translating the registration notice "to form a modified registration notice," in the manner claimed.

The examiner asserts otherwise, citing to figures 1, 2A, and 2B, as well as portions of the cited text. These figures are as follows:



These figures teach establishing a new call while a first call is on hold. The new call is placed on a public base station, whereas the old call is made on a private base station. After the new call is established, the old call is terminated. One of ordinary skill would not and can not interpret this process as "translating said registration notice from the first protocol into a second protocol to form a modified registration notice" as claimed. No translation of a registration notice takes place and no modified registration notice is formed; instead, a first call is ended and a second call is established. For this reason, *Buttitta* does not teach all of the features of claim 66.

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PAGE 8/12 * RCVD AT 11/22/2005 4:23:05 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/40 * DNIS:2738300 * CSID:972 385 7766 * DURATION (mm-ss):03-24

In addition, the text cited by the examiner is as follows:

FIG. 2 shows a first protocol of a call hand-off process for handing-off an active call from the private wireless system to the public cellular system with minimal disruption to the parties conversing in the call. In the execution of the process, telephone communications are switched from a first path, which includes a wireless communications path between the mobile station 10 and the private base station 20, to a second path, which includes a wireless communications path between the mobile station 10 and the public base station 13, for maintaining the communications between the mobile station and a remote telephone station.

In the execution of the hand-off of telephone communications occurring in the mobile station from the private base station 20 to the cellular base station 13, in accordance with the first described protocol of the embodiment of the invention, the arrangement uses third party call and call park features presently available on a 5ESS.RTM. electronic switch manufactured by AT&T Corp. The 5ESS electronic switch is well known and is described in general in the AT&T Technical Journal, Volume 64, Number 6, Part 2, July-August 1985. The 5ESS electronic switch may easily function as the local exchange carrier switch 11, and thereby provide access for the private base station 20 to the public switched telephone network 14.

Available on most local exchange carrier switches, the third party call feature, like three-way calling, permits a subscriber at a first telephone to send a switch-hook flash signal to the local exchange carrier switch for placing the other party to the call in progress on hold in the switch and obtaining dial tone at the telephone. In the application of the third party call feature, the subscriber at the first telephone is able to make a telephone call to a second telephone number while leaving the other party to the call on hold.

The call park feature is invoked by a code transmitted to the switch 11 from the private base station 20. This feature is described in detail in, for example, AT&T's 5ESS Switch Business and Residence Custom Services Feature Descriptions, Document Number 235-190-101, Issue 5, dated November 1993, pages 8-92 through 8-107. By way of general operation, the call park feature simply provides a way for a subscriber at a first telephone connected to the switch 11 to place a remote party to a conversation on hold in the switch, disconnect from the call, and then from a different telephone reconnect to the party placed on hold by dialing an appropriate call park feature access code recognized by the switch.

The execution of the hand-off process is conveniently described in the following steps, which may be more easily understood when read in conjunction with the flowchart shown in FIG. 2.

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- 1) From an active call the user presses a feature code (e.g. #T). This sends to the PBS a hand-off trigger.
- 1a) The PBS detects low signal strength from the MS and sends to the MS hand-off warning tones, after which the PBS proceeds with the following process.
- The PBS sends a switch-hook flash to the LBC.
- 3) The LEC places the other party on hold and returns a dial tone to the PBS.
- 4) The PBS sends a deregistration message to the MS.
- 5) The MS ceases communications with the PBS and releases its channel.
- 6) The MS selects and registers With the public cellular system. The registration with the public system will automatically update the MS's Temporary Listed Directory Number (TLDN) with the corresponding HLR/VLR.
- 7) The public cellular system accepts the MS registration.
- 8) After step 4, the PBS sends a call park feature code in order to invoke the call park feature and optionally a PIN at the LEC.
- 9) The LEC places the other party on hold into the parked state.
- 10) The MS dials the call park feature access number over the cellular network.
- 11) The cellular network routes the call park feature access number to the LEC.
- 12) The LEC connects the parked party and the call from the MS.
- 13) The call with parked party is established with MS through cellular network.

The entire hand-off process for the mobile station may be achieved within 5 seconds. This time is subject to the number of digits that are transmitted to the switch 11 by both the private base station 20 as well as the mobile station 10 during the hand-off process. The hand-off may be achieved in less time, for example, if the PIN and/or MIN are not provided to the switch 11.

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Although numerous switches presently available in the art serve as the LEC switch 11, many do not have a call park capability. Nevertheless, it is possible to achieve a call hand-off for a private wire ess system which has a private base station connected to a switch without such feature.

In the execution of the hand-off of the mobile station from the private base station 20 to the cellular base station 13, in accordance with a second described protocol of the embodiment, the arrangement uses third party call and conference bridge features available at the local exchange carrier switch 11. This switch 11 also provides access for the private base station 20 to the public switched telephone network 14.

Buttitta, col. 5, l. 48 through col. 6, l. 26 and col. 7, l. 35 through col. 8, l. 23 (emphasis supplied).

The emphasized portions of the text shows that Buttitta does not perform a translation of a registration notice in the manner claimed. Instead, Buttitta teaches placing a first call on hold, placing a second call using a public base station, ending the first call, and continuing with the second call. In other words, Buttitta teaches terminating a first registration and then establishing an entirely new registration. One of ordinary skill would not and can not interpret this process as "translating said registration notice from the first protocol into a second protocol to form a modified registration notice" as claimed. No translation takes place and no modified registration notice is formed; instead, a first call is ended and a second call is established. Thus, at most, Buttitta might teach that a first registration notice is established and terminated and then a second registration notice is established. For this reason, Buttitta does not teach all of the features of claim 66. Accordingly, Buttitta does not anticipate claim 66. Therefore, the rejection of claim 66 under 35 U.S.C. § 102 has been overcome.

Furthermore, Buttitta does not teach, suggest, or give any incentive to make the needed changes to reach the presently claimed invention. Buttitta et al. actually teaches away from the presently claimed invention because it teaches establishing first and second calls, as opposed to translating a first registration notice as in the presently claimed invention. Absent the examiner pointing out some teaching or incentive to implement Buttitta translating a first registration notice in the manner claimed, one of ordinary skill in the art would not be led to modify Buttitta to reach the present invention when the reference is examined as a whole. Absent some teaching, suggestion, or incentive to modify Buttitta in this manner, the presently claimed invention can be reached only through an improper use of hindsight using Applicants' disclosure as a template to

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make the necessary changes to reach the claimed invention.

II. Objection to Claims

The examiner states that claims 67-69 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. As shown above, claim 66 should be allowable over *Buttitta*. Thus, claims 67-69 should also be allowable in their present form.

III. Conclusion

It is respectfully urged that the subject application is patentable over *Buttitta* and is now in condition for allowance.

The examiner is invited to call the undersigned at the below-listed telephone number if in the opinion of the examiner such a telephone conference would expedite or aid the prosecution and examination of this application.

DATE: November 22, 2005

Respectfully submitted,

Theodore D. Fay III Reg. No. 48,504

Yee & Associates, P.C.

P.O. Box 802333

Dallas, TX 75380 (972) 385-8777

Attorney for Applicants

Page 10 of 10 Osterhout et al. - 10/199,797

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/199,797	07/19/2002	Gregory T. Osterhout	11032RRUS04D	1786
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DUKE W. YE			NGUYEN,	THUAN T
YEE & ASSOC P.O. BOX 8023			ART UNIT	PAPER NUMBER
DALLAS, TX			2685	
•			DATE MAILED: 08/23/2005	;
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omee mount cumumy	Examiner	Art Unit										
The MAILING DATE of this communication app	THUAN T. NGUYEN	2685										
Period for Reply												
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).												
Status												
1) Responsive to communication(s) filed on												
2a) ☐ This action is FINAL . 2b) ☑ This	action is non-final.											
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the merits is										
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.										
Disposition of Claims	•	·										
4) ☐ Claim(s) 52-62 and 66-69 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) 52-62 is/are allowed. 6) ☐ Claim(s) 66 is/are rejected. 7) ☐ Claim(s) 67-69 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.												
Application Papers												
9) The specification is objected to by the Examine	r.											
10)⊠ The drawing(s) filed on <u>19 July 2002</u> is/are: a)[·										
Applicant may not request that any objection to the	•											
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex		, ,										
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Priority under 35 U.S.C. § 119												
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 												
Attachment(s)												
1) Notice of References Cited (PTO-892)	4) Interview Summary											
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate Patent Application (PTO-152)										

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Application/Control Number: 10/199,797

Art Unit: 2685

DETAILED ACTION

Remarks

1. Claims 52-62 and 66-69 are pending for examination.

Allowable Subject Matter

2. Claims 52-62 are allowed.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

The closest prior arts of record issued to Wang and Pepe fails to combine to teach or suggest a method for processing a call as claimed in claim 52 and 56 including at least a step of receiving at a session initiated protocol (SIP) server a notice of a call for a mobile data processing system associated with a user and detailed steps as claimed therein.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Page 2

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Art Unit: 2685

Claim Rejections - 35 USC 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 5. Claim 66 is rejected under 35 U.S.C. 102(e) as being anticipated by Buttitta et al. (U.S. Patent No. 5,913,166).

Regarding claim 66, Buttitta discloses a method for initiating calls comprising the steps of receiving registration of an incoming call, which is formatted in a first protocol, and translating the registration from the first protocol to a second protocol, and transmitting a modified registration notice to a terminating device, and the modified registration notice formatted in a second protocol (refer to Fig. 1, 2A & 2B as the mobile terminal registers with its private system in a first protocol, and as the mobile hands off or transfers an active call to a public communication system, the system modifies the registration in a second protocol, which is the public communication system, and the acknowledgement or modified registration notice is sending to the terminal for call activation, see further details on col. 5/line 48 to col. 6/line 26 and col. 7/line 35 to col. 8/line 23).

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Allowable Subject Matter

6. Claims 67-69 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter:
The closest prior art of Buttitta does not further disclose the steps as claimed in claims
67-69.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kulkarni et al and Zicker (PTO 892 attached) disclose systems related to hand offs using different approaches.

9. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306, (for Technology Center 2600 only)

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Thuan Nguyen whose telephone number is (571) 272-7895. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM, with alternate Fridays off.

Art Unit: 2685

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TONYT. NGUYEN
DATENT EXAMINER

Tony T. Nguyen Art Unit 2685 July 15, 2005

Application/Control No. Applicant(s)/Patent Under Reexamination 10/199,797 OSTERHOUT ET AL. Notice of References Cited Examiner Art Unit Page 1 of 1 THUAN T. NGUYEN 2685 **U.S. PATENT DOCUMENTS** Document Number Date Name Classification Country Code-Number-Kind Code MM-YYYY US-5,913,166 06-1999 Buttitta et al. 455/436 Α 01-1999 В US-5,862,481 Kulkami et al. 455/432.2 С US-6,526,277 B1 02-2003 Zicker et al. 455/426.2 D US-US-Ε F US-US-G USн USı US-J US-Κ L US-US-М FOREIGN PATENT DOCUMENTS Document Number Date Country Name Classification Country Code-Number-Kind Code MM-YYYY Ν 0 Р Q R s Т **NON-PATENT DOCUMENTS** Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) W

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

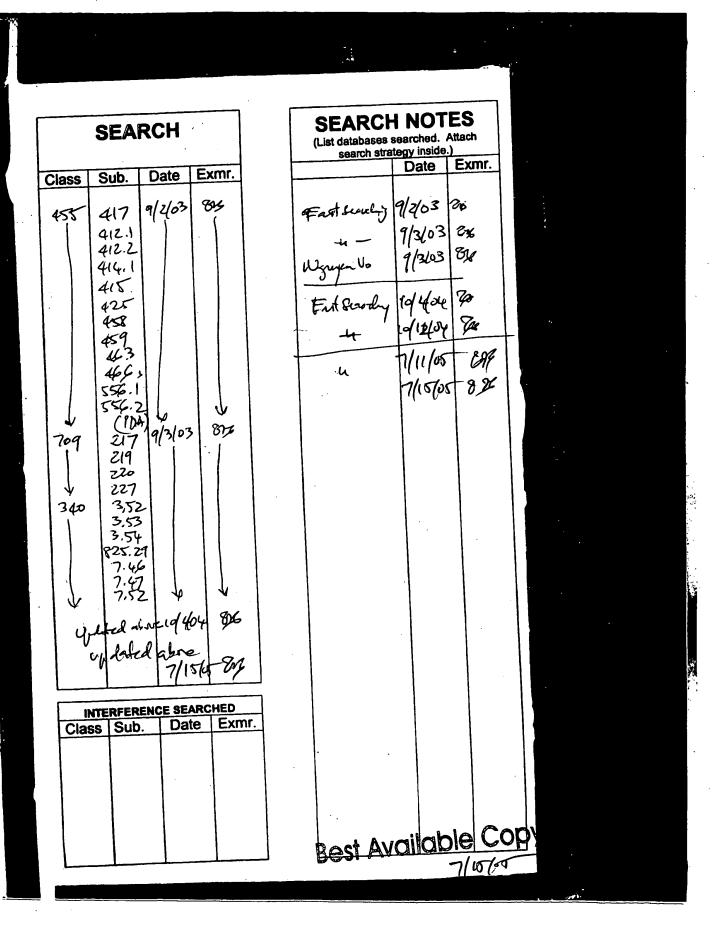
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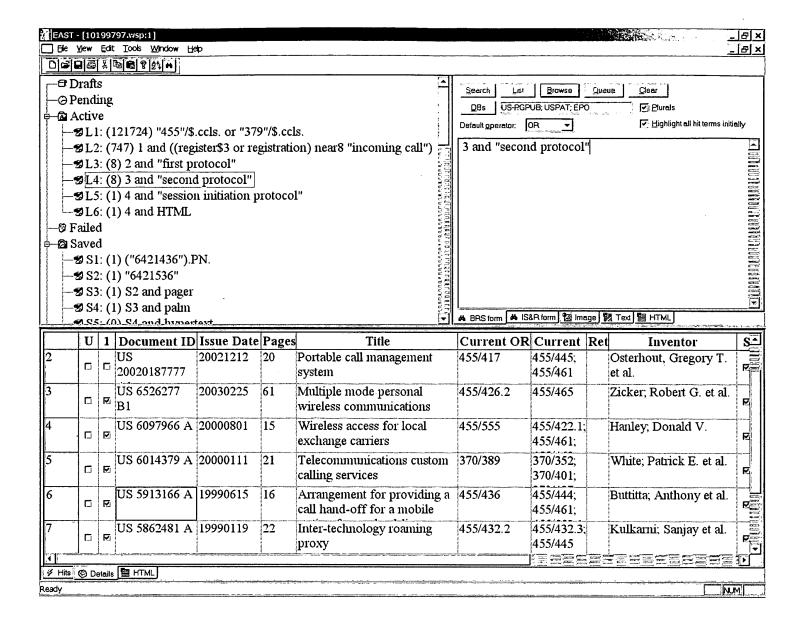
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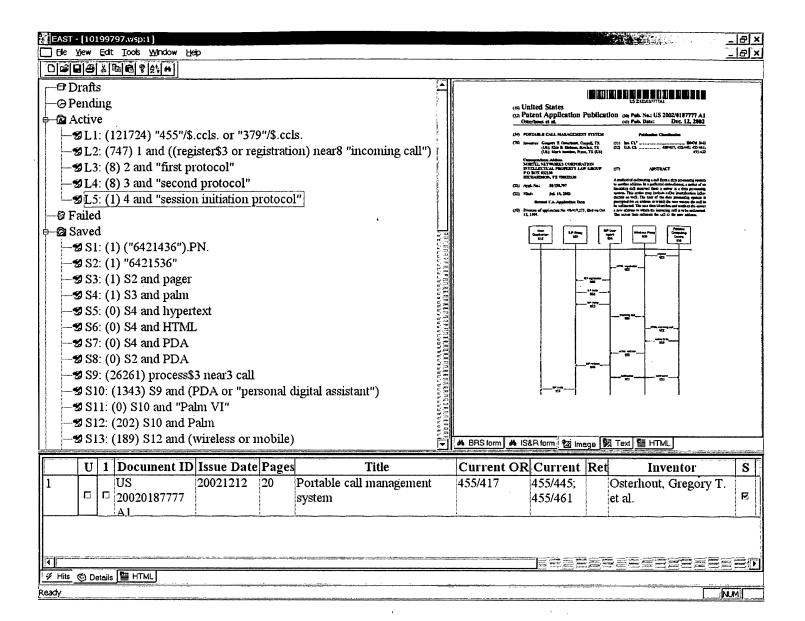
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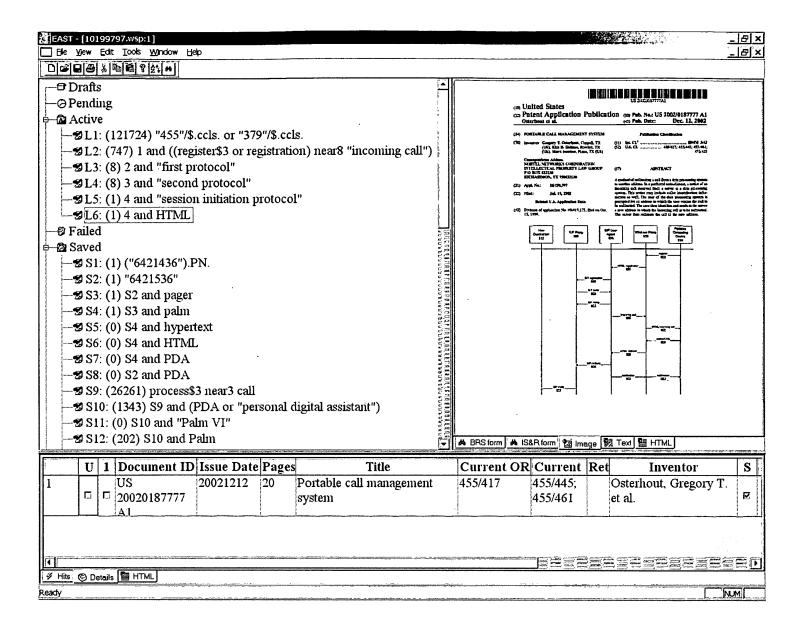
Part of Paper No. 71505

	Index of Claims											Application/Control No. 10/199,797 Examiner THUAN T. NGUYEN											Applicant(s)/Patent under Reexamination										
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AMENDMENT B	•	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSL PAID FOR	PRESENT	RA	TE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE
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• If the entry in column 1 is less than the entry in column 2, write "0" in column 3.								GA-II			
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20." **ADDIT. FEE OR ADDIT. FEE ADDIT. FEE The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.											
POPULIFIC-878 Rev. 4009) Rev. 4009) Rev. 4009) Rev. 4009)											

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

99999999999

Eln re application: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

I hereby certify this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria,

VA 22313-1450 on February 22, 2005.

Carrie Parker

RESPONSE TO OFFICE ACTION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 50-3157. A one-month extension of time is believed to be necessary and a check in the amount of \$120.00 is enclosed. No additional extension of time is believed to be necessary. If, however, an additional extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 50-3157.

In response to the Office Action dated October 20, 2004, please amend the aboveidentified application as follows:

Claims Listing begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.

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IN THE CLAIMS:

- 1-51. (Canceled)
- 52. (Previously presented) A method in a communications system for processing a call, the method comprising:
 - receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user;
 - identifying an address to which the call is to be sent from a database of preferred locations, wherein the user has previously indicated a preferred location;
 - sending a first request to setup the call to the mobile data processing system associated with a the user, wherein the mobile data processing system has a wireless communications capability;
 - sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system; and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed;
 - receiving, prior to establishing the call, a response to the request, wherein the response includes the address for the call input by the user of the mobile data processing system in response to receiving the notification message; and
 - sending a second request to setup the call to the user using the address.
- 53. (Original) The method as recited in claim 52, wherein the data processing system is a personal digital assistant.
- 54. (Previously Presented) The method as recited in claim 53, wherein the personal digital assistant is a Palm VII.
- 55. (Original) The method as recited in claim 52, wherein the request and the response are session initiation protocol messages.

Page 2 of 20 Osterhout et al - 10/199,797 56. (Previously presented) A method for processing a call at a data processing system the method comprising:

receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user;

identifying an address to which the call is to be sent from a database of preferred locations, wherein the user has previously indicated a preferred location;

receiving a notification message at the data processing system indicating a request to setup the call;

presenting the notification to the user at the data processing system;

receiving the request to establish the call;

presenting caller information at the data processing system;

receiving user input from the user identifying an address to which the call is to be directed; and

responsive to an identification of the address for the call, returning a response including the address to which the call is to be directed.

- 57. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises displaying the caller information.
- 58. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises presenting the caller information audibly.
- 59. (Original) The method as recited in claim 56, wherein the request and the response are session initiation protocol messages.
- 60. (Original) The method as recited in claim 56, wherein the data processing system is a wireless device.
- 61. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises a vibrating alert.

Page 3 of 20 Osterhout et al - 10/199,797 62. (Original) The method as recited in claim 56, wherein the data processing system is a two-way pager.

63-65. (Canceled)

- 66. (Original) A method for initiating calls, comprising the steps of: receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;
 - translating said registration notice from the first protocol into a second protocol; and
 - transmitting a modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.
- 67. (Original) The method as recited in claim 66, further comprising: selecting, at a session initiated protocol (SIP) server, an address to which the user has previously selected the call be sent from a database of preferred locations;
 - receiving a location data with which to redirect the incoming call from the terminating device; wherein the location data is formatted in the second protocol; and
 - translating the location data to a second location data; and transmitting the second location data, wherein the second location data is formatted in the second protocol.
- 68. (Original) The method as recited in claim 66, wherein the first protocol is a session initiation protocol.
- 69. (Original) The method as recited in claim 66, wherein the second protocol is a hypertext markup language.

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REMARKS

Claims 52-62 and 66-69 are pending in the present application. Applicants maintain all arguments presented in the previous responses to office actions.

Reconsideration of the claims is respectfully requested in the light of the previous office action arguments and in light of the following arguments.

I. 35 U.S.C. § 103, Obviousness

The office action has rejected claims 52-62 and 66-69 under 35 U.S.C. § 103(a) as being obvious over Wang et al, Method, Apparatus and Communications System for Companion Information and Network Appliances, U.S. Patent 6,161,134 (Dec. 12, 2000) in view of Pepe et al, Personal Communications Internetworking, U.S. Patent 5,742,905 (Apr. 21, 1998). This rejection is respectfully traversed.

I.A The Office Action Has Failed To State Prima Facie Obviousness Rejections

I.A.1 The Proposed Combination Does Not Result in the Claimed Inventions

The office action asserts that:

Regarding claims 52 and 56, Wang discloses this limitation for a method to process a call as the user can set up the call using his palm top device with the mobile system with a preferred address to receive the call from a called party; in other words, the call is redirected or rerouted to another address which is specified by the user (see Wang, Figs 10-11 for call initialization process; Figs. 16-17 for the user intention to transfer the call to another number; Figs. 18-19 for transferring status and then completed; and Figs. 21-22 for options to forward incoming calls; see col. 36/line 10 to col. 37/line 11 for call forwarding and call transfer). Furthermore, Wang further discloses "sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed" and then receiving, "prior to establishing the call", a response to the request, wherein the response includes the address "input by the user of the mobile data processing system in response to receiving the notification message; and sending a second request to set up the call to the user using the address, for instance, the user of the mobile data processing system or a palm

> Page 5 of 20 Osterhout et al – 10/199,797

pilot receives an incoming call with a notification message such as call information coming from caller name and caller ID waiting as a first request to setup the call for call connection (as shown in Fig. 25), the user has options to answer it right way, reject or OK meaning answer it at a later time (col. 15/lines 15-31) or choose to transfer the call to another destination before answering the call while the call is being connected (as shown in Fig. 15) and waiting for answering, then the procedure to transfer the call is followed during the active call by the user input at the time with the address for the transfer (col. 40/line 43 to col. 41/line 4, and Figs. 20-22 for "hold" active calls and then forwards them; and col. 38/line 65 to col. 39/line 5 for either entering a telephone number or entering a network address for the destination if desired) as a fifth feature of the wireless device (col. 24/lines 16-17); and as soon as the user already enters the address for the destination for forwarding, the second request for setup the call for call connection is sent to the system as the user hits the forward button (Figs. 21-22, item 2110).

Wang does not clearly show that the receiving of a notice of a call for a mobile data processing system associated with the user is at a session initiated protocol, and the user can identify an address to which the call is to be sent from a database of preferred location as preamended; however, this feature is taught by Pepe as Pepe shows that at a PCI server associated with a PCI database, the user can identify the address that he/she would like to forward the call to based on his/her own preference or from a default setup, and the server handles session protocols for TCP/IP functions (see Pepe, Figs. 1-4 & 24, col. 9/lines 33-55, col. 11/line 55 to col. 12/line 33, col. 14/line 12-65, and col. 30/lines 28-56). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Wang's system with the disclosed technique as taught by Pepe in order to forward or route the call effectively to a desired addressed identified by the user via the server of the service system.

As for claims 53-54, Wang discloses that the palm top device is a personal digital assistant (col. 1/lines 13-46 & col. 10/lines 8-25) and a Palm top computer. (The Palm version number is not a significant patentability weight herein because Palm Computing, Inc develops these devices).

As for claims 55 and 59, Wang further discloses "wherein the request and response are session initiation protocol messages" (col. 11/lines 13-21 for SIP addressed).

Page 6 of 20 Osterhout et al – 10/199,797 As for claim 57-58, Wang discloses that caller identification is provided to the user (Fig. 25) and the user can set up audio elements depending on user's preferences (col. 38/lines 15-28).

As for claim 60, Wang discloses that the data processing system is a wireless device (Figs. 10-35).

Office Action of October 20, 2004, pp. 2-5.

The office action has failed to state prima facie obviousness rejections because the proposed combination does not result in the claimed inventions. Pepe does not show the limitation of "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user," as asserted by the office action. Thus, the proposed combination does not result in the claimed inventions.

The office action asserts that Pepe does show the claimed feature, referring to numerous citations from Pepe. Applicants address each citation below and show that Pepe does not show the claimed limitation.

As a first matter, the office action cites Figures 1 through 4 and 24. Figure 1 is as follows:

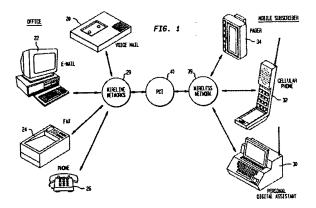
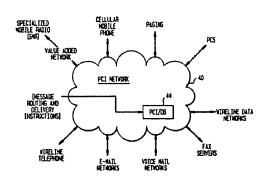


Figure 1 shows a set of communications equipment connected via wireless networks and PCI (personal communications internetworking). However, Figure 1 does not show "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user," as claimed. Figure 1 provides no indication of use of a session initiated protocol server or use of session initiated protocol.

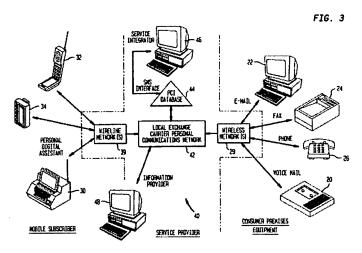
Figure 2 is as follows:

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Again, Figure 2 shows a variety of communications equipment connected via a PCI network. However, Figure 2 does not show "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user," as claimed. Figure 2 provides no indication of use of a session initiated protocol server or use of session initiated protocol.

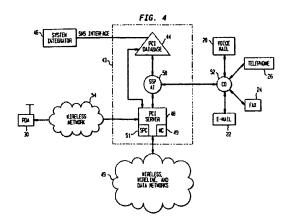
Figure 3 is as follows:



Again, Figure 3 shows a variety of communications equipment connected via wireless networks, a local exchange carrier personal communications network and a PCI database. However, Figure 3 does not show "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user," as claimed. Figure 3 provides no indication of use of a session initiated protocol server or use of session initiated protocol.

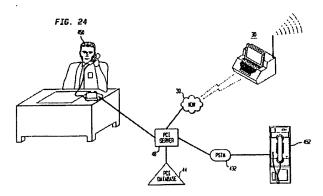
Figure 4 is as follows:

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Again, Figure 4 shows a variety of communications equipment connected via wireless networks, a PCI database and server, and an SSP AT (Service Switching Point Access Tandem) switch. However, Figure 4 does not show "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user," as claimed. Figure 4 provides no indication of use of a session initiated protocol server or use of session initiated protocol.

Figure 24 is as follows:



Again, Figure 24 shows a variety of communications equipment connected via a PCI server, a PCI database, a PSTN (Public Switched Telephone Networks), and a WDN (wireless networks). However, Figure 24 does not show "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user," as claimed. Figure 24 provides no indication of use of a session initiated protocol server or use of session initiated protocol.

Page 9 of 20 Osterhout et al – 10/199,797 Similarly, Pepe does not describe "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user," as claimed. The office action asserts otherwise, citing from Pepe as follows:

The call processor 110 also includes an IP Functions Server 130. The IP Function Server 130 manages CallCommand applications. This server is also connected to the PCI database protocol handler 126 for communication with the PCI database 44 and the PDA protocol handler 115 for communication with the wireless network 54. The PCI database protocol handler 126 handles both interfaces between the PCI database and the PCI server, as described below.

Thus, the two main application servers in the call processor 110 are the IP Function server 130 for CallCommand applications and the PCI applications server 114 for wireless messaging services.

The call processor 110 also includes a plurality of communication interfaces. The protocol handlers 115 and 126 have already been discussed. The alphanumeric paging server (APS) 132 gives the call processor 110 the ability to provide alphanumeric paging services. The APS 132 includes one or more modems to communicate with terminal equipment of a network 134 maintained by a paging service provider. The APS communicates with the paging service provider using, for example, the TAP protocol (Telocator Alphanumeric Protocol).

Pepe, col. 9, 11. 33-55.

Although Pepe does discuss protocols, and names some protocols used, Pepe does not show or suggest the claimed protocol. Nevertheless, the office action continues to cite from Pepe as follows:

A PCI Database 44 maintains the subscriber profile, controls the Call Command functions, and handles DTMF-based subscriber profile updates.

The PCI database architecture shown in FIG. 6 comprises several application and support components. The application components include Multiple Services Application Platform (MSAP) 202; Service Provisioning and Creation Environment (SPACE) 204; and Data and Report Subsystem (DRS) 206.

The service components include the Maintenance and Operation Console (MOC) 208; the Intelligence Peripheral Interface (IPI) 210; the Generic Data Interface (GDI) 212; the Service Network Interface (SNI) 214; and the Data and Report database (D&R) 218.

Page 10 of 20 Osterhout et al – 10/199,797 The service network interface (SNI) 214 provides a communication interface to external systems such as switch 50 and PCI server 48. These interfaces include the IPI 210 and GDI 212 which connect the PCI database to the PCI server via the TCP/IP network 213. The GDI 212 is used for uploading and downloading a subscriber profile to the PCI server 48. The IPI 210 is used for transmitting DTMF commands from a user via the PCI server 48. For redundancy, each intelligent peripheral interface (IPI) and generic data interface (GDI) processor preferably requires two logical connections to the PCI server.

The Multiple Services Application Platform (MSAP) 202 includes a call processor 220, a first call process request (CPR) database 222, an MSAP common 224, a shared memory 226, and a call contact database (CCDB) 228. The call processor 220 receives messages from and sends messages to a message distributor 219 in the SNI 214. The message distributor determines whether the message received from the call processor 220 is to be sent to the IPI 210 or the GDI 212. The call processor receives messages from the message distributor and sends them to the first CPR database, the CCDB 228, and/or the shared memory 226. The first CPR database 222 stores the subscriber profiles. The MSAP 224 connects the first CPR database 222 with the second CPR 230, which resides in SPACE 204. MSAP common 224 updates one of the CPR databases 222, 230 when changes have been made to the other CPR database. The CCDB 228 is a temporary, dynamic storage for storing subscriber profiles, and related data during profile update procedures. The shared memory 226 allows different processors to use the same data.

Pepe, col. 11, l. 55 through col. 12, l.33.

Nowhere does the cited text show or suggest the claimed session initiated protocol. Instead, the cited text only describes Pepe's PCI architecture. Nevertheless, the office action continues to cite from Pepe as follows:

The interface between the PCI server 48 and the PCI database 44 is based on two protocols. The first protocol is 1129+. This protocol will be used to support the PCI Call Command feature and for subscriber initiated profile manipulation using DTMF. The second protocol is Generic Data Interface. The GDI is used for subscriber profile management, specifically downloading a subscriber profile from the PCI database 44 to the PCI server 48 and for applying updates to the profile stored in the PCI database 44.

FIG. 7 shows the logical links from the PCI database 44 to the PCI server 48. The PCI database 44 consists of a mated pair of PCI

Page 11 of 20 Osterhout et al – 10/199,797 databases 44a, 44b, each containing three call processors 220 which each share the load. The links 250 are TCP/IP links between Intelligent Peripheral Interface (IPI) 210 and the Generic Data Interface (GDI) 212 processors on the PCI database 44 to the PCI server call processor. Two logical connections are made from each IPI 210 and GDI 212 processors to the PCI server for redundancy. Thus, a full SCP configuration supporting PCI would preferably require 24 logical links, as shown in FIG. 7. The PCI database initiates the opening of the logical links.

In this illustrative embodiment, the CallCommand feature employs the 1129+ protocol. For the wireless messaging feature, PCI uses the GDI protocol. The GDI tag IDs assigned for the PCI subscriber profile elements are provided in Appendix B.

Appendix B also shows the PCI profile data, including the profile elements, their data types, maximum lengths, and GDI tag IDs. An * indicates elements which were shortened to 32 bytes because of GDI byte limitations. The description of the types and lengths of these elements is as follows:

dN BCD-encoded digits. The number N represents the maximum number of BCD digits, not octets.

cN Up to N ASCII characters.

cN Binary integer N bytes in length, in network byte order (highest order bit transmitted first).

Because the portion of the PCI subscriber profile downloaded to the PCI server is large (preferably approximately 1,000 bytes), and a maximum Transaction Capable Application Program (TCAP) message size is 256 bytes, the profile must be managed in segments. The service profile is divided into six segments as shown in Table 1. Each segment is assigned a unique numeric identifier.

Pepe, col. 14, ll. 12-65 (table omitted).

Again, the cited text does not describe the claimed protocol. The cited text does describe basing the interface between the PCI server and the PCI database based on two protocols: an 1129+ protocol and a GDI (generic data interface) protocol. However, the cited text is devoid of disclosure regarding the claimed protocol. Nevertheless, the office action continues to cite from Pepe as follows:

Page 12 of 20 Osterhout et al – 10/199,797 FIG. 24 is an illustrative example of a CallCommand service network. A caller, Joe 450, wishes to speak with Mary, Mary, who is away from the office, is a PCI subscriber having the CallCommand service. She has a PDA 30, which is turned on and registered at a visiting location. Joe dials Mary's office phone number. This phone number connects Joe's call to the PCI server 48. The PCI server 48 network instructs Joe to type in his telephone number. The PCI server 48 puts Joe on hold and plays back a message using synthesized speech informing Joe that the network is trying to locate Mary. The network recognizes that Mary is registered at a visiting location and sends a phone notification over a wireless data network 39. Mary is notified on a PDA 30 that a phone call is coming from a particular phone number. If Mary has already programmed a name corresponding to that phone number in a directory on her PDA 30, that name will also appear. Therefore, she is aware that she has a phone call from Joe Smith. Mary has several options. She may type or select a preselected message to be sent from the PDA 30 to the PCI network which converts the message into synthesized speech and play it back to Joe; she may forward the call to a nearby telephone, such as a cellular phone or a nearby pay phone 452 or forward the call to her secretary or colleagues's phone number; she may send a message and forward the call; or she may direct the call to her voice mail. In this illustration, Mary selects that the call be routed to a local public pay telephone 452. The call is routed over public switched telephone networks 432 to the selected telephone and Mary and Joe speak.

Pepe, col. 30, 11. 28-56

Again, the cited text does not show the claimed feature of "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user." The cited text does describe the operation of Pepe's system; however, nothing in the cited text discloses the claimed limitation. Furthermore, nothing in Pepe shows or suggests the claimed limitation. Thus, the proposed combination does not result in the claimed invention. Accordingly, the office action has failed to state prima facie obviousness rejections of any of the claims.

I.A.2 The Office Action Has Failed to State a Proper Motivation to Combine the References

In addition, the office action has failed to state prima facie obviousness rejections because the office action has failed to state a proper motivation to combine the

> Page 13 of 20 Osterhout et al – 10/199,797

references. A proper *prima facie* case of obviousness cannot be established by combining the teachings of the prior art absent some teaching, incentive, or suggestion supporting the combination. *In re Napier*, 55 F.3d 610, 613, 34 U.S.P.Q.2d 1782, 1784 (Fed. Cir. 1995); *In re Bond*, 910 F.2d 831, 834, 15 U.S.P.Q.2d 1566, 1568 (Fed. Cir. 1990). The office action states that, "it would have been obvious... to modify Wang's system with the disclosed technique as taught by Pepe in order to forward or route the call effectively to a desired address identified by the user via the server of the service system." However, as shown above, Pepe does not disclose the claimed limitation. Thus, the office action's statement makes no sense and cannot serve as a motivation to combine the references.

In addition, even if the statement were accurate, the statement is too broad to serve as a motivation to combine the references. The statement merely indicates that Pepe's techniques may be used to forward a call to a desired address effectively. However, the office action provides no indication why one of ordinary skill would recognize that the claimed method should be used or why one of ordinary skill would select the claimed method at all. In the light of Pepe's teaching that many, many different protocols may be used to forward a call, the office action's statement that the claimed method is merely an effective technique is insufficient to motivate one of only ordinary skill to combine or otherwise modify the references. The over-breadth of the office action's statement is exacerbated by the fact that Pepe does not disclose the claimed technique. Because the office action's statement is overly broad, it does not serve as a proper motivation to combine the references.

In addition, the office action's statement merely recites a purported advantage to combining the references and does not actually state a motivation at all. For example, the office action has provided no reason why one of ordinary skill would recognize the advantage and be motivated to implement it as claimed. Thus, the office action has failed to state any motivation to combine the references.

The office action's statement is not a motivation to combine the references and the office action has failed to state a motivation to combine the references. Thus, the office action has failed to state prima facie obviousness rejections of the claims.

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I.B The Claims Are Non-Obvious Over the Cited References

The claims are non-obvious in view of the references when the references are viewed as a whole. Wang is directed to an information appliance and a network appliance that function independently as well as with each other. Pepe is directed to a network subscriber with the ability to control remotely the receipt and delivery of wireless and wireline voice and text messages. Both references disclose a plethora of protocols and methods for performing their respective methods. However, neither reference shows the claimed limitation of "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user." Given the vast number of protocols described in both references, there is no reason to assume that one of ordinary skill would have found it obvious to use one that neither reference discloses. Thus, the claims are non-obvious when the references are considered as a whole.

Furthermore, Wang issued in 2000 and Pepe issued in 1998. In the intervening five years since Wang issued, no one has made, used, or suggested devices or processes incorporating the claimed methods. Given the very rapid pace of technological development in communications and given the value of the claimed methods, had the claimed methods been obvious, then one of ordinary skill would have already implemented them. Because, to Applicants' knowledge, no one has done so, the claims are non-obvious.

I.C Claims 61 and 62

Regarding claims 61-62, the office action states that:

Wang does not specifically discloses that the information appliance device 210 for using in the network 200 (Fig. 2) is a two-way pager and providing a vibrating alert in the step of presenting caller information; however, Wang does suggest that the information appliance device can be any device capable of storing user information and exchanging information with the network (col. 9/lines 32-42). It inherently suggests that a two-way pager is not limited to use within this system; and the vibrating alert of a pager when an incoming call with caller ID is a function that is well known in the art. Therefore, it would have been obvious to one of

Page 15 of 20 Osterhout et al – 10/199,797 ordinary skill in the art at the time the invention was made to modify Wang's system with a two-way pager and its known vibrating alert function plugged-in for use within the system instead or in addition of a palmtop computer/PDA device in order to provide additional communication device to users such as a two-way pager or any other form of communication device for communication in a broader network, for instance, including a pager network in this scenario.

Office Action of October 20, 2004, p. 5

The office action has failed to state prima facie obviousness rejections of claims 61 and 62 because the office action has failed to state a proper motivation to combine the references. In summary, the office action asserts that it would have been obvious to present caller information as a vibrating alert and to use a two-way pager with the claimed methods because such technologies are well known and "in order to provide additional communication device to users." However, the office action did not actually provide a motivation to modify Wang. Because the office action must provide a motivation to combine or modify the references to state a prima facie obviousness rejection, the office action has failed to state prima facie obviousness rejections of claims 61 and 62.

I.D Claims 66-69

Regarding claims 66 through 69, the office action asserts that:

As for claims 66-69, these claims are rejected for the reasons given in the scope of claims 52-60 as already discussed above, with an additional understanding that, as for a first protocol as a session initiation protocol and a second protocol is a hypertext markup language, i.e., a session initiation protocol (as shown in Fig. 25 for initiating a connection call between a caller and a called party, or in Figs. 16 and 17 for a session protocol while inputs are needed for entering into the Palmtop device) and Internet access with a protocol such as TCP/IP is well known for including a protocol using a hypertext markup language (col. 21/lines 5-40).

Office Action of October 20, 2004, p. 5.

The office action asserts that claims 66 through 69 are rejected for the reasons given regarding the rejection of claims 52 through 60. However, as pointed out above, claims 52 through 60 are patentable over Wang and Pepe. Thus, claims 66 through 69 are also patentable over Wang and Pepe.

Page 16 of 20 Osterhout et al – 10/199,797 In addition, the office action misapprehends Wang in relation to claims 66 through 69. Wang does not show the limitations of claim 66, which provides as follows:

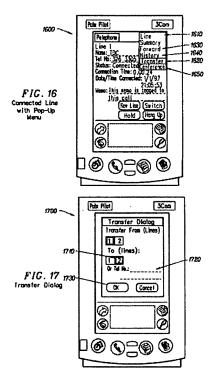
66. A method for initiating calls, comprising the steps of: receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;

translating said registration notice from the first protocol into a second protocol; and

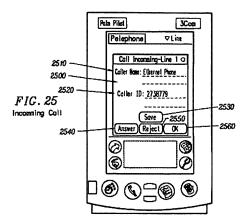
transmitting a modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.

Wang does not show the method of translating a registration notice as claimed.

The office action asserts otherwise, citing figures 16, 17, and 25, which provide as follows:



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None of the cited figures actually shows translating a registration notice from a first protocol to a second protocol. Thus, the cited figures do not show the claimed limitations. Nevertheless, the office action also points to the following text in Wang:

Internet Access

The combination of the information appliance 210 and the telephone 240 can also be used to provide Internet access. The communications protocol hierarchy for Internet access, otherwise referred to as the software architecture, used to support Internet access depends on the capabilities that exist in the information appliance 210. In one embodiment, the information appliance 210 is a palm-sized computer 343 that includes a Transmission control protocol (TCP)/Internet Protocol (IP)/PPP stack (as is the case for the 3Com Palm III and the PalmPilot Professional). This embodiment is referred to herein as the palm-sized computer 343 Internet access execution option. For the first case, as shown in FIG. 3C, the protocol stack can be represented as a palm-sized computer 343 running the Internet applications protocol stack 350. The protocol stack can be located in any information appliance 210 to provide Internet access according to the invention.

The palm-sized computer 343 running the Internet applications protocol stack 350 includes the following software layers, in descending order, for Internet access for the palm-sized computer 343: an Internet applications 367 layer, a TCP 359/User Datagram Protocol (UDP) layer, an Internet protocol 356 layer, a PPP 330 layer, and an HDLC 326 layer. The Internet applications 367 include electronic mail, web browsing, terminal emulation (telnet), file transfer protocol (ftp) and other applications providing access to data provided by the Internet. The palm-sized computer 343 running the Internet applications protocol stack 350 for the Ethernet telephone 310 is the same as the protocol stack for the

Page 18 of 20 Osterhout et al – 10/199,797 palm-sized computer except that: (1) the PPP 330 and HDLC layers are replaced by an IEEE 802-3 Carrier Sense Multiple Access/Collision Detection (CSMA/CD) 368 layer, and (2) the top layer of the Ethernet telephone 310 stack includes only Internet access applications 369.

Again, the cited text does not show the translation feature claimed in claim 66. The cited text does describe stacked protocols, but does not describe, "Translating said registration notice from the first protocol into a second protocol," as claimed. Because Wang does not show all the claimed limitations of claim 66, the proposed combination does not result in the claimed inventions. Accordingly, the office action has failed to state prima facie obviousness rejections of claim 66, or its dependent claims 67 through 69.

I.E Summary

The office action has failed to state prima facie obviousness rejections of the claims because the proposed combination does not result in the claimed inventions and because the office action has failed to state proper motivations to combine or modify the references. In addition, the claims are non-obvious in view of the references when considered as a whole for the reasons given above. Therefore, the rejection of claims 52-62 and 66-69 under 35 U.S.C. § 103 has been overcome.

Page 19 of 20 Osterhout et al – 10/199,797

II. Conclusion

It is respectfully urged that the subject application is patentable over Wang and Pepe and is now in condition for allowance.

The office action is invited to call the undersigned at the below-listed telephone number if in the opinion of the office action such a telephone conference would expedite or aid the prosecution and examination of this application.

DATE: Frehwary 22, 2005

Respectfully submitted,

Theodore D Fay III

Reg. No. 48,504

Duke W. Yee

Reg. No. 34,285

Yee & Associates, P.C.

P.O. Box 802333

Dallas, TX 75380

(972) 385-8777

Attorneys for Applicants

FEB 28 2005 200

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

8888

re application! Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

I hereby certify this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria,

VA 22313-1450 on February 22, 2005.

By: Carrie Parker

Carrie Parker

PETITION FOR EXTENSION OF TIME WITHIN THE FIRST MONTH

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicant respectfully petitions for a one-month extension of time in which to respond to the outstanding Office Action in the above case, pursuant to 37 CFR Section 1.17(a). Enclosed is a check in the amount of \$120.00 for the extension fee. No additional extension of time is believed to be necessary. If, however, an additional extension of time is required, the extension is requested and, I authorize the Commissioner to charge these additional fees which may be required to Deposit Account No. 50-3157.

Respectfully submitted,

Theodord D. Fay III

Registration. No. 48,504

Duke W. Yee

Registration No. 34,285

Yee & Associates, P.C.

P.O. Box 802333

Dallas, Texas 75380

(972) 385-8777

ATTORNEYS FOR APPLICANTS

03/01/2005 EABUBAK1 00000040 10199797 01 FC:1251 120.00 OP



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re application of: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

35527 PATENT TRADEMARK OFFICE CUSTOMER NUMBER

Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

I hereby certify this correspondence is being deposited with the 'United States Postal Service as First Class mail in an envelope! addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-14501 on February 22, 2005.

Carrie Parker

TRANSMITTAL DOCUMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

ENCLOSED HEREWITH:

- Response to Office Action;
- Petition for Extension of Time within the First Month;
- Check in the amount of \$120.00; and
- Our return postcard.

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 50-3157. A one-month extension of time is believed to be necessary and a check in the amount of \$120.00 is enclosed. No additional extension of time is believed to be necessary. If, however, an additional extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 50-3157.

Respectfully submitted,

Theodore 1. Fay III

Reg. No. 48,504

Duke W. Yee

Registration No. 34,285

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P.O. Box 802333

Dallas, Texas 75380

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ATTORNEYS FOR APPLICANTS



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/199,797	10/199,797 07/19/2002 35527 7590 10/20/2004		Gregory T. Osterhout	11032RRUS04D	1786			
35527				EXAM	EXAMINER			
DUKE W.			NGUYEN, THUAN T					
YEE & ASS P.O. BOX 80		S, P.C.		ART UNIT	PAPER NUMBER			
DALLAS, 7	DALLAS, TX 75380			2685	14			
	· ·				DATE MAILED: 10/20/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
	Application No.	Applicant(s)						
Office Action Symmony	10/199,797	OSTERHOUT ET AL.						
Office Action Summary	Examiner	Art Unit						
	THUAN T. NGUYEN	2685						
The MAILING DATE of this communication app Period for Reply	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) Responsive to communication(s) filed on								
2a) This action is FINAL . 2b) ⊠ This	action is non-final.							
3) Since this application is in condition for allowa	nce except for formal matters, pro	osecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims								
4)⊠ Claim(s) <u>52-62 and 66-69</u> is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>52-62, and 66-69</u> is/are rejected.								
7) Claim(s) is/are objected to.								
8) Claim(s) are subject to restriction and/or election requirement.								
Application Papers								
9)☐ The specification is objected to by the Examine	9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D	(PTO-413)						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) Notice of Informal F	ate Patent Application (PTO-152)						
Paper No(s)/Mail Date	6) Other:	•						

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Application/Control Number: 10/199,797

Art Unit: 2685

Page 2

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/14/04 has been entered.

Remarks

2. Claims 1-51, and 63-65 were previously canceled. Pending claims are claims 52-62, and 66-69.

Claim Rejections - 35 USC 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 52-62 and 66-69 are rejected under 35 U.S.C. 103(a) as being obvious over Wang et al (U.S. Patent No. 6,161,134) in view of Pepe (U.S. Patent 5,742,905).

Regarding claims 52 and 56, Wang discloses this limitation for a method to process a call as the user can set up the call using his palm top device with the mobile system with a preferred address to receive the call from a called party; in other words, the call is redirected or rerouted to another address which is specified by the user (see Wang, Figs 10-11 for call initialization

Application/Control Number: 10/199,797

Art Unit: 2685

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process; Figs. 16-17 for the user intention to transfer the call to another number; Figs. 18-19 for transferring status and then completed; and Figs. 21-22 for options to forward incoming calls; see col. 36/line 10 to col. 37/line 11 for call forwarding and call transfer). Furthermore, Wang further discloses "sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed" and then receiving, "prior to establishing the call", a response to the request, wherein the response includes the address "input by the user of the mobile data processing system in response to receiving the notification message; and sending a second request to set up the call to the user using the address, for instance, the user of the mobile data processing system or a palm pilot receives an incoming call with a notification message such as call information coming from caller name and caller ID waiting as a first request to setup the call for call connection (as shown in Fig. 25), the user has options to answer it right way, reject or OK meaning answer it at a later time (col. 15/lines 15-31) or choose to transfer the call to another destination before answering the call while the call is being connected (as shown in Fig. 15) and waiting for answering, then the procedure to transfer the call is followed during the active call by the user input at the time with the address for the transfer (col. 40/line 43 to col. 41/line 4, and Figs. 20-22 for "hold" active calls and then forwards them; and col. 38/line 65 to col. 39/line 5 for either entering a telephone number or entering a network address for the destination if desired) as a fifth feature of the wireless device (col. 24/lines 16-17); and as soon as the user already enters the address for the destination for

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forwarding, the second request for setup the call for call connection is sent to the system as the user hits the forward button (Figs. 21-22, item 2110).

Wang does not clearly show that the receiving of a notice of a call for a mobile data processing system associated with the user is at a session initiated protocol, and the user can identify an address to which the call is to be sent from a database of preferred location as preamended; however, this feature is taught by Pepe as Pepe shows that at a PCI server associated with a PCI database, the user can identify the address that he/she would like to forward the call to based on his/her own preference or from a default setup, and the server handles session protocols for TCP/IP functions (see Pepe, Figs. 1-4 & 24, col. 9/lines 33-55, col. 11/line 55 to col. 12/line 33, col. 14/line 12-65, and col. 30/lines 28-56). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Wang's system with the disclosed technique as taught by Pepe in order to forward or route the call effectively to a desired addressed identified by the user via the server of the service system.

As for claims 53-54, Wang discloses that the palm top device is a personal digital assistant (col. 1/lines 13-46 & col. 10/lines 8-25) and a Palm top computer. (The Palm version number is not a significant patentability weight herein because Palm Computing, Inc develops these devices).

As for claims 55 and 59, Wang further discloses "wherein the request and response are session initiation protocol messages" (col. 11/lines 13-21 for SIP addressed).

As for claim 57-58, Wang discloses that caller identification is provided to the user (Fig. 25) and the user can set up audio elements depending on user's preferences (col. 38/lines 15-28).

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Page 5

As for claim 60, Wang discloses that the data processing system is a wireless device (Figs. 10-35).

Regarding claims 61-62, Wang does not specifically discloses that the information appliance device 210 for using in the network 200 (Fig. 2) is a two-way pager and providing a vibrating alert in the step of presenting caller information; however, Wang does suggest that the information appliance device can be any device capable of storing user information and exchanging information with the network (col. 9/lines 32-42). It inherently suggests that a two-way pager is not limited to use within this system; and the vibrating alert of a pager when an incoming call with caller ID is a function that is well known in the art. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Wang's system with a two-way pager and its known vibrating alert function plugged-in for use within the system instead or in addition of a palmtop computer/PDA device in order to provide additional communication device to users such as a two-way pager or any other form of communication device for communication in a broader network, for instance, including a pager network in this scenario.

As for claims 66-69, these claims are rejected for the reasons given in the scope of claims 52-60 as already discussed above, with an additional understanding that, as for a first protocol as a session initiation protocol and a second protocol is a hypertext markup language, i.e., a session initiation protocol (as shown in Fig. 25 for initiating a connection call between a caller and a called party, or in Figs. 16 and 17 for a session protocol while inputs are needed for entering into the Palmtop device) and Internet access with a protocol such as TCP/IP is well known for including a protocol using a hypertext markup language (col. 21/lines 5-40).

Art Unit: 2685

Page 6

Conclusion

5. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306, (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II,

2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Thuan Nguyen whose telephone number is (703) 308-5860. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM, with alternate Fridays off.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600 Customer Service Office** whose telephone number is (703) 306-0377.

TONYT. KGUYEN

Tony T. Nguyen Art Unit 2685 October 12, 2004

#130 apploy



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

88888

In re application of: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

If hereby certify this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 10, 2004.

By:

Carrie Parker

RECEIVED

JUN 2 1 2004

Technology Center 2600

PRELIMINARY AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

No fees are believed to be necessary. If, however, any fees are required, I authorize the Commissioner to charge these fees to Deposit Account No. 50-3157. No extension of time is believed to be necessary. If, however, an extension of time is necessary, I authorize the Commissioner to charge the necessary extension fees to Deposit Account No. 50-3157.

Prior to continued examination of this application, please amend the above-identified application as follows:

Page 1 of 5 Osterhout et al. – 10/199,797

IN THE CLAIMS:

- 1-51. (Canceled)
- 52. (Currently Amended) A method in a communications system for processing a call, the method comprising:

receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user;

identifying an address to which the call is to be sent from a database of preferred locations, wherein the user has previously indicated a preferred location;

sending a first request to setup the call to a the mobile data processing system associated with a the user, wherein the mobile data processing system has a wireless communications capability;

sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system; and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed;

receiving, prior to establishing the call, a response to the request, wherein the response includes the address for the call input by the user of the mobile data processing system in response to receiving the notification message; and

sending a second request to setup the call to the user using the address.

- 53. (Original) The method as recited in claim 52, wherein the data processing system is a personal digital assistant.
- 54. (Previously Presented) The method as recited in claim 53, wherein the personal digital assistant is a Palm VII.
- 55. (Original) The method as recited in claim 52, wherein the request and the response are session initiation protocol messages.
- 56. (Currently Amended) A method for processing a call at a data processing system the method comprising:

receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data



processing system associated with a user;

identifying an address to which the call is to be sent from a database of preferred locations, wherein the user has previously indicated a preferred location;

receiving a notification message at a the data processing system indicating a request to setup the call;

presenting the notification to a the user at the data processing system;

receiving the request to establish the call;

presenting caller information at the data processing system;

receiving user input from the user identifying an address to which the call is to be directed; and responsive to an identification of the address for the call, returning a response including the address to which the call is to be directed.

- 57. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises displaying the caller information.
- 58. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises presenting the caller information audibly.
- 59. (Original) The method as recited in claim 56, wherein the request and the response are session initiation protocol messages.
- 60. (Original) The method as recited in claim 56, wherein the data processing system is a wireless device.
- 61. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises a vibrating alert.
- 62. (Original) The method as recited in claim 56, wherein the data processing system is a two-way pager.
- 63-65. (Canceled)
- 66. (Original) A method for initiating calls, comprising the steps of:

Page 3 of 5 Osterhout et al. – 10/199,797



receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;

translating said registration notice from the first protocol into a second protocol; and transmitting a modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.

 \mathcal{L}

67. (Original) The method as recited in claim 66, further comprising:

receiving selecting, at a session initiated protocol (SIP) server, an address to which the user has previously selected the call be sent from a database of preferred locations;

receiving a location data with which to redirect the incoming call from the terminating device; wherein the location data is formatted in the second protocol; and

translating the location data to a second location data; and

transmitting the second location data, wherein the second location data is formatted in the second protocol.

- 68. (Original) The method as recited in claim 66, wherein the first protocol is a session initiation protocol.
- 69. (Original) The method as recited in claim 66, wherein the second protocol is a hypertext markup language.

REMARKS

Claims 52-62 and 56-69 are pending in the present application. Claims 52, 56, and 67 are hereby amended. No new matter is added by these amendments. Favorable reconsideration of the claims is respectfully requested.

Date: 6.10.0 4

Respectfully submitted,

Patrick C. R. Holmes Registration No. 46,380

YEE & ASSOCIATES, P.C.

P.O. Box 802333 Dallas, Texas 75380 (972) 367-2001

ATTORNEY FOR APPLICANTS

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Application or Docket Number

Under the Paperwork Reduction Act of 1995, no persons are require

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Request for Continued Examination (RCE) **Transmittal**

Address to: Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

d to respond to a collection of informa	tion unless it contains a valid OMB control number.
Application Number	10/199,797
Filing Date	July 19, 2002
First Named Inventor	Osterhout et al.
Art Unit	2685
Examiner Name	Nguyen, Thuan T.
Attorney Docket Number	11032RRUS04D/RCE

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application. Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1.	. Submission required under 37 CFR 1.114 Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).								
	a. Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.								
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This collection of information is required by 37 CFR 1,114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO 10 process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the (amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Applicant claims small entity status. See 37 CFR 1.27	ŀ	Examiner Nam			0005	
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1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month	<u> </u>
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal	├
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 SUBMITTED BY
 (Complete (if applicable))

 Name (Print/Type)
 Duke W. Yee
 Registration No. (Altomev/Agent)
 34,285
 Telephone 972-367-2001

 Signature
 Date
 June 10, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

YEE & ASSOCIATES

PAGE 83 8/28/34

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 1 0 2004

In re application: Osterhout et al.

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OFFICIAL

Serial No.: 10/199,797

Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Filed: July 19, 2002

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For: Portable Call Management

System

Attorney Docket No.: 11032RRUS04D

Certificate of Transmission Under 37 C.F.R. § 1.8(a) I hereby certify this correspondence is being transmitted via facsimile to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, facsimile number (703) 872-9306, on May 10, 2004.

By: Carrie Parker
Carrie Parker

RESPONSE TO FINAL OFFICE ACTION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 50-0392. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 50-0392.

In response to the Final Office Action dated March 10, 2004, please amend the above-identified application as follows:

Listing of Claims begin on page 2 of this paper.

Remarks begin on page 5 of this paper.

Page 1 of 11 Osterhout et al. - 10/199,797

PAGE 3/13 * RCVD AT 5/10/2004 11:39:10 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:9723672008 * DURATION (mm-ss):04-04



IN THE CLAIMS:

1-51. (Canceled)

52. (Previously Presented) A method in a communications system for processing a call, the method comprising:

sending a first request to setup the call to a mobile data processing system associated with a user, wherein the mobile data processing system has a wireless communications capability;

sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed;

receiving, prior to establishing the call, a response to the request, wherein the response includes the address for the call input by the user of the mobile data processing system in response to receiving the notification message; and

sending a second request to setup the call to the user using the address.

- 53. (Original) The method as recited in claim 52, wherein the data processing system is a personal digital assistant.
- 54. (Previously Presented) The method as recited in claim 53, wherein the personal digital assistant is a Palm VII.
- 55. (Original) The method as recited in claim 52, wherein the request and the response are session initiation protocol messages.
- 56. (Previously Presented) A method for processing a call at a data processing system the method comprising:

receiving a notification message at a data processing system indicating a request to setup the call;

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PAGE 4/13 * RCVD AT 5/10/2004 11:39:10 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:9723672008 * DURATION (mm-ss):04-04

presenting the notification to a user at the data processing system; receiving the request to establish the call; presenting caller information at the data processing system;

receiving user input from the user identifying an address to which the call is to be directed; and

responsive to an identification of the address for the call, returning a response including the address to which the call is to be directed.

- 57. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises displaying the caller information.
- 58. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises presenting the caller information audibly.
- 59. (Original) The method as recited in claim 56, wherein the request and the response are session initiation protocol messages.
- 60. (Original) The method as recited in claim 56, wherein the data processing system is a wireless device.
- 61. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises a vibrating alert.
- 62. (Original) The method as recited in claim 56, wherein the data processing system is a two-way pager.
- 63-65. (Canceled)
- 66. (Original) A method for initiating calls, comprising the steps of: receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;

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PAGE 5/13 * RCVD AT 5/10/2004 11:39:10 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:9723672008 * DURATION (mm-ss):04-04

translating said registration notice from the first protocol into a second protocol; and

transmitting a modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.

- 67. (Original) The method as recited in claim 66, further comprising:
 receiving a location data with which to redirect the incoming call from the
 terminating device; wherein the location data is formatted in the second protocol; and
 translating the location data to a second location data; and
 transmitting the second location data, wherein the second location data is
 formatted in the second protocol.
- 68. (Original) The method as recited in claim 66, wherein the first protocol is a session initiation protocol.
- 69. (Original) The method as recited in claim 66, wherein the second protocol is a hypertext markup language.

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REMARKS

Claims 52-62 and 66-69 are pending in the present application. Reconsideration of the claims is respectfully requested.

I. 35 U.S.C. § 102, Anticipation

The examiner has rejected claims 52-60 and 66-69 under 35 U.S.C. § 102 as being anticipated by Wang et al., USPN 6161134. This rejection is respectfully traversed.

In rejecting the claims, Examiner states:

Regarding claims 52 and 56, Wang discloses this limitation for a method to process a call as the user can set up the call using his palm top device with the mobile system with a preferred address to receive the call from a called party; in other words, the call is redirected or rerouted to another address which is specified by the user (see Wang, figs 10-11 for call initialization process; Figs 16-17 for the user intention to transfer the call to another number; Figs. 18-19 for transferring status and then completed; and Figs. 21-22 for options to forward incoming calls; see col. 36/line 10 to col. 37/line 11 for call forwarding and call transfer). Furthermore, Wang further discloses "sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed" and then receiving, "prior to establishing the call", a response to the request, wherein the response includes the address "input by the user of the mobile data processing system in response to receiving the notification message, and sending a second request to set up the call to the user using the address, for instance, the user of the mobile data processing system or a palm pilot receives an incoming call with a notification message such as call information coming from caller name and caller ID waiting as a first request to setup the call for call connection (as shown in Fig. 25), the user has options to answer it right away, reject or OK meaning answer it at a later time (col. 15/lines 15-31) or choose to transfer the call to another destination before answering the call while the call is being connected (as shown in Fig. 15) and waiting for answering, then the procedure to transfer the call is followed during the active all by the user input at the time with the address for the transfer (col. 40/line 43 to col. 41/line 4, and Figs. 20-22 for "hold" active calls and then forwards them; and col. 38/line 65 to col. 39/line 5 for either entering a telephone number

> Page 5 of 11 Osterhout et al. - 10/199,797

PAGE 7/13 * RCVD AT 5/10/2004 11:39:10 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:9723672008 * DURATION (mm-ss):04-04

or entering a network address for the destination if desired) as a fifth feature of the wireless device (col. 24/lines 16-17); and as soon as the user already enters the address for the destination for forwarding, the second request for setup the call for call connection is sent to the system as the user hits the forward button (Figs. 21-22, item 2110).

Independent Claim 52 is reproduced for discussion:

52. A method in a communications system for processing a call, the method comprising:

sending a first request to setup the call to a mobile data processing system associated with a user, wherein the mobile data processing system has a wireless communications capability;

sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed:

receiving, prior to establishing the call, a response to the request, wherein the response includes the address for the call input by the user of the mobile data processing system in response to receiving the notification message; and sending a second request to setup the call to the user using the address.

Wang appears to teach a system where a phone (such as an Ethernet phone) and a computer system (such as a handheld computer) work together to allow a user to set preferences for receiving calls. However, there are important differences between the teaching of Wang and the present claims, as discussed below.

Wang does not appear to teach sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed. Examiner refers to Figures 21 and 22 for options to forward calls. The sections of Wang, related to Figures 21 and 22, teach that the forwarding feature is set up

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PAGE 8/13 * RCVD AT 5/10/2004 11:39:10 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:9723672008 * DURATION (mm-ss):04-04



in advance of a call being received and that all calls coming into the information appliance are diverted to the forwarded phone.

Examiner states in the Response to Arguments of the final Office action that the teaching of Wang is in the context of receiving an incoming call, in response to which the user may take various actions including forwarding the call to a specified location.

Applicant respectfully disagrees with this interpretation of Wang. In support of Examiner's argument, Examiner cites Wang at col. 15, lines 15-31 as teaching that

...the user has options to answer it right away, reject or OK meaning answer it at a later time (col.15/lines 15-31) or choose to transfer the call to another destination before answering the call while the call is being connected (as shown in FIG. 15)....

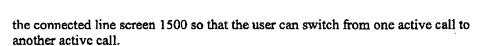
Applicant respectfully submits that the cited passage of Wang does not teach forwarding an incoming call before answering it. The cited passage (col. 15, lines 20-31) states in part:

The incoming call screen includes user selection for saving the caller name and the caller identification to the address database.... For some of these incoming call embodiments, the incoming call screen includes user selections for pricessing the incoming call. The user selections include rejecting the incoming call (shown in FIG. 25 as "reject" button 2550), answering the incoming call (shown in FIG. 25 as the "answer" button 2540), and answering the call at a later time....

This passage fails to teach forwarding an incoming call. Examiner also cites FIG. 15 as teaching the forwarding of an incoming call. However, Applicant notes that FIG. 15 does not show or depict forwarding an incoming call as claimed, and the text referring to FIG. 15, namely col. 39, lines 49-65, also does not teach forwarding an incoming call. The text does appear to teach transferring an existing, already connected call, but this feature is not what claim 52 claims. Col. 39, lines 49-65 state:

In the <u>connected line screen 1500</u>, the user can choose to place another call...by tapping the "New Line" button 1540. The "Hold" button 1550 and the "Hang up" button 1560 hold and hang up calls respectively. If there are two or more calls active at the same time, the "Switch" button 1570 will also appear on

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The line pop-up menu button 1580 is disposed at the top right corner of the connected line screen 1500, and appears as a downward arrow next to and to the left of "Line". When the line pop-up menu button 1580 is tapped, a line pop-up menu 1610 list of choices appears, as shown in the connected line screen with line pop-up menu window 1600, shown in FIG. 16. User selection of the "transfer" prompt 1620 will result in the display of the transfer dialog screen 1700, shown in FIG. 17.

[Emphasis added.]

According to the above text of Wang, Wang only teaches transferring an existing, already connected call to another line. This common feature differs significantly from what the current claim 52 claims, namely, forwarding the call prior to establishing the call.

Hence, Applicant respectfully submits that Wang fails to teach or suggest all limitations of claim 52.

Nowhere in the cited sections of Wang, or any other sections, is it taught to sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed and receiving, prior to establishing the call, a response to the request, wherein the response includes the address input by the user of the mobile data processing system in response to receiving the notification message.

Thus, in view of the above, Wang does not teach each and every feature of independent claim 52 as is required under 35 U.S.C. § 102(e). At least by virtue of their dependency on independent claim 52, Wang does not teach each and every feature of dependent claims 53-55. Accordingly, Applicants respectfully request withdrawal of the rejection of claims 52-55 under 35 U.S.C. § 102(e).

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Examiner rejects claim 56 under the same reasoning as claim 52. Claim 56 states:

56. A method for processing a call at a data processing system the method comprising:

receiving a notification message at a data processing system indicating a request to setup the call;

presenting the notification to a user at the data processing system; receiving the request to establish the call; presenting caller information at the data processing system; receiving user input from the user identifying an address to which the call is to be directed; and

responsive to an identification of the address for the call, returning a response including the address to which the call is to be directed.

Nowhere in Wang is it taught to receive user input from the user identifying an address to which the call is to be directed and, responsive to an identification of the address for the call, return a response including the address to which the call is to be directed. As shown above, neither the call forwarding feature nor the transfer feature of Wang allow the user to receive a notification of an incoming call and in response to that notification identify the address to which the call is to be directed.

Examiner does not address the merits of claims 66-69 in the Office action, except to state:

As for claims 66-69, these claims are rejected for the reasons given in the scope of claims 52-60 as already discussed above, with an additional understanding that, as for a first protocol as a session initiation protocol and a second protocol is a hypertext markup language, i.e., a session initiation protocol (as shown in FIG. 25 for initiating a connection call between a caller and a called party, or in FIGs. 16 and 17 for a session protocol while inputs are needed for entering into the palmtop device) and Internet access with a protocol such as TCP/IP is well known for including a protocol using a hypertext markup language (col. 21, lines 5-40).

This statement by Examiner does not appear to show that Wang teaches the limitations of claim 66, which claims:

Page 9 of 11 Osterhout et al. - 10/199,797

PAGE 11/13 * RCVD AT 5/10/2004 11:39:10 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:9723672008 * DURATION (mm-ss):04-04



66. A method for initiating calls, comprising the steps of: receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;

translating said registration notice from the first protocol into a second protocol; and

transmitting a modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.

Claims 66-69 have different scope than claims 52-60. For example, claim 66 recites receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol, translating said registration notice from the first protocol into a second protocol, and transmitting a modified registration notice to a terminating device, wherein the modified registration notice is formatted in the second protocol. As an additional example, claim 67 recites receiving a location data with which to redirect the incoming call from the terminating device, wherein the location data is formatted in the second protocol, translating the location data to a second location data and transmitting the second location data, wherein the second location data is formatted in the second protocol. None of these features are addressed in the rejection of claims 52-60. Thus, the Office Action has failed to establish a case of anticipation based on Wang. Claims 60-62 are dependent on claim 56, and thus, these claims distinguish over Wang for at least the reasons noted above with regard to claim 56. Therefore, all claims have been addressed and are believed to be in condition for allowance. Favorable reconsideration of the claims is respectfully requested.

Page 10 of 11 Osterhout et al. - 10/199,797





It is respectfully urged that the subject application is patentable over Wang and is now in condition for allowance.

The examiner is invited to call the undersigned at the below-listed telephone number if in the opinion of the examiner such a telephone conference would expedite or aid the prosecution and examination of this application.

DATE: 5, (0,04

Respectfully submitted,

Patrick C. R. Holmes Reg. No. 46,380 Yee & Associates, P.C. P.O. Box 802333 Dallas, TX 75380 (972) 367-2001 Attorney for Applicants



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Main No. (972) 367-2001 Facsimile (972) 367-2008

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Facsimile Cover Sheet

To: Commissioner for Patents for Examiner Thuan T. Nguyen Group Art Unit 2685	Facsimile No.: 703/872-9306
From: Carrie Parker Legal Assistant to Patrick C. R. Holmes	No. of Pages Including Cover Sheet: 13
Message:	
Enclosed herewith:	
 Transmittal Document; and Response to Final Office Action. 	
Re: Application No. 10/199,797 Attorney Docket No: 11032RRUS04D	
Date: Monday, May 10, 2004	
Please contact us at (972) 367-2001 if you do not receive all pages indicated above or experience any difficulty in receiving this facsimile.	This Facsimile is intended only for the use of the addressee and, if the addressee is a client or their agent, contains privileged and confidential information. If you are not the intended recipient of this facsimile, you have received this facsimile inadvertently and in error. Any review, dissemination, distribution, or copying is strictly prohibited. If you received this facsimile in error, please notify us by telephone and return the facsimile to us immediately.

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PAGE 1/13 * RCVD AT 5/10/2004 11:39:10 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:9723672008 * DURATION (mm-ss):04-04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re application of: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

35527
PATENT TRADEMARK OFFICE

Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

Certificate of Transmission Linder 37.C.F.R. § 1.8(a)
I hereby certify this correspondence is being transmitted via facsimile to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, facsimile number (703) 872-9306 on May 10, 2004.

By: Carrie Parker

TRANSMITTAL DOCUMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

ENCLOSED HEREWITH:

Response to Final Office Action

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 50-0392. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 50-0392.

Respectfully submitted,

Duke W. Yee

Registration No. 34,685

YEE & ASSOCIATES, P.C.

P.O. Box 802333 Dallas, Texas 75380

(972) 367-2001

ATTORNEY FOR APPLICANTS

PAGE 2/13 * RCVD AT 5/10/2004 11:39:10 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:9723672008 * DURATION (mm-ss):04-04



United States Patent and Trademark Office

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/199,797	07/19/2002	Gregory T. Osterhout	11032RRUS04D	1786	
35527	7590 03/10/2004		EXAMI	INER	
DUKE W. Y	EE		NGUYEN, THUAN T		
CARSTENS, '	YEE & CAHOON, L.L.P.				
P.O. BOX 802	334		ART UNIT	PAPER NUMBER	
DALLAS, TX	75380		2685	//	
			DATE MAILED: 03/10/2004	1	

Please find below and/or attached an Office communication concerning this application or proceeding.

		•							
,	Application No.	Applicant(s)							
Office Action Summany	10/199,797	OSTERHOUT ET AL.							
Office Action Summary	Examiner	Art Unit							
TI MANUNO DATE A MANUNO DA	THUAN T. NGUYEN	2685							
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
 Responsive to communication(s) filed on This action is FINAL. 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 									
Disposition of Claims									
4) ☐ Claim(s) 52-62 and 66-69 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 52-62 and 66-69 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.									
Application Papers									
9) ☐ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on 7/19/02 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35 U.S.C. § 119									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:								

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Art Unit: 2685

DETAILED ACTION

Remarks

1. Claims 1-51, and 63-65 were previously canceled. Pending claims are claims 52-62, and 66-69.

Claim Rejections - 35 USC ' 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 52-60 and 66-69 are rejected under 35 U.S.C. 102(e) as being anticipated by Wang et al (U.S. Patent No. 6,161,134).

Regarding claims 52 and 56, Wang discloses this limitation for a method to process a call as the user can set up the call using his palm top device with the mobile system with a preferred address to receive the call from a called party; in other words, the call is redirected or rerouted to another address which is specified by the user (see Wang, Figs 10-11 for call initialization process; Figs. 16-17 for the user intention to transfer the call to another number; Figs. 18-19 for transferring status and then completed; and Figs.

Art Unit: 2685

21-22 for options to forward incoming calls; see col. 36/line 10 to col. 37/line 11 for call forwarding and call transfer). Furthermore, Wang further discloses "sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed" and then receiving, "prior to establishing the call", a response to the request, wherein the response includes the address "input by the user of the mobile data processing system in response to receiving the notification message; and sending a second request to set up the call to the user using the address, for instance, the user of the mobile data processing system or a palm pilot receives an incoming call with a notification message such as call information coming from caller name and caller ID waiting as a first request to setup the call for call connection (as shown in Fig. 25), the user has options to answer it right way, reject or OK meaning answer it at a later time (col. 15/lines 15-31) or choose to transfer the call to another destination before answering the call while the call is being connected (as shown in Fig. 15) and waiting for answering, then the procedure to transfer the call is followed during the active call by the user input at the time with the address for the transfer (col. 40/line 43 to col. 41/line 4, and Figs. 20-22 for "hold" active calls and then forwards them; and col. 38/line 65 to col. 39/line 5 for either entering a telephone number or entering a network address for the destination if desired) as a fifth feature of the wireless device (col. 24/lines 16-17); and as soon as the user already enters the address for the destination for forwarding, the second request for setup the call for call connection is sent to the system as the user hits the forward button (Figs. 21-22, item 2110).

Art Unit: 2685

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As for claims 53-54, Wang discloses that the palm top device is a personal digital assistant (col. 1/lines 13-46 & col. 10/lines 8-25) and a Palm top computer. (The Palm version number is not a significant patentability weight herein because Palm Computing, Inc develops these devices).

As for claims 55 and 59, Wang further discloses "wherein the request and response are session initiation protocol messages" (col. 11/lines 13-21 for SIP addressed).

As for claim 57-58, Wang discloses that caller identification is provided to the user (Fig. 25) and the user can set up audio elements depending on user's preferences (col. 38/lines 15-28).

As for claim 60, Wang discloses that the data processing system is a wireless device (Figs. 10-35).

As for claims 66-69, these claims are rejected for the reasons given in the scope of claims 52-60 as already discussed above, with an additional understanding that, as for a first protocol as a session initiation protocol and a second protocol is a hypertext markup language, i.e., a session initiation protocol (as shown in Fig. 25 for initiating a connection call between a caller and a called party, or in Figs. 16 and 17 for a session protocol while inputs are needed for entering into the Palmtop device) and Internet access with a protocol such as TCP/IP is well known for including a protocol using a hypertext markup language (col. 21/lines 5-40).

Art Unit: 2685

Claim Rejections - 35 USC 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 61-62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wang et al. (U.S. Patent No. 6,161,134).

Regarding claims 61-62, Wang does not specifically discloses that the information appliance device 210 for using in the network 200 (Fig. 2) is a two-way pager and providing a vibrating alert in the step of presenting caller information; however, Wang does suggest that the information appliance device can be any device capable of storing user information and exchanging information with the network (col. 9/lines 32-42). It inherently suggests that a two-way pager is not limited to use within this system; and the vibrating alert of a pager when an incoming call with caller ID is a function that is well known in the art. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Wang's system with a two-way pager and its known vibrating alert function plugged-in for use within the system instead or in addition of a palmtop computer/PDA device in order to provide additional communication device to users such as a two-way pager or any other form of communication device for communication in a broader network, for instance, including a pager network in this scenario.

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Response to Arguments

6. Applicant's arguments filed on 12/17/03 have been fully considered but they are not persuasive.

Applicants basically argues that Wang does not teach presenting a notification of an incoming call to the user, and in response to the notification, allowing the user to input the address to which the call is to be directed (page 7, 2nd paragraph, and as shown in Figs 6C-6D of the present application) and by amending the claim languages of claims 52 and 56. The Examiner respectfully disagrees with Applicants and would like to invite Applicants to take a closer look at Wang's reference and as explaining in details below.

The user of the mobile data processing system or a palm pilot receives an incoming call with a notification message such as call information coming from caller name and caller ID waiting as a first request to setup the call for call connection (as shown in Fig. 25), the user has options to answer it right way, reject or OK meaning answer it at a later time (col. 15/lines 15-31) or choose to transfer the call to another destination before answering the call while the call is being connected (as shown in Fig. 15) and waiting for answering, then the procedure to transfer the call is followed during the active call by the user input at the time with the address for the transfer (col. 40/line 43 to col. 41/line 4, and Figs. 20-22 for "hold" active calls and then forwards them; and col. 38/line 65 to col. 39/line 5 for either entering a telephone number or entering a network address for the destination if desired) as a fifth feature of the wireless device (col. 24/lines 16-17); and as soon as the user already enters the address for the destination for forwarding, the second request for setup the call for call connection is sent to the system as the user hits the forward button (Figs. 21-22, item 2110).

Art Unit: 2685

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306, (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II,

2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Thuan Nguyen whose telephone number is (703) 308-5860. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM, with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (703) 305-4385.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600 Customer Service Office** whose telephone number is (703) 306-0377.

TONYT. NGUYEN

Tony T. Nguyen Art Unit 2685 March 3, 2004

DEE 2 3 2003 &

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

§ § § §

In re application: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

I hereby certify this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 17, 2003.

By: Michele Morrow

RECEIVED

RESPONSE TO OFFICE ACTION

DEC 2 9 2003

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 **Technology Center 2600**

Sir:

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 50-0392. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 50-0392.

In response to the Office Action dated September 17, 2003, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.

Page 1 of 11 Osterhout et al. – 10/199,797

IN THE CLAIMS:

1-51. (Canceled)

52. (Currently Amended) A method in a communications system for processing a call, the method comprising:

receiving at a mobile data processing system a call for a user;

sending a first request to setup the call to [[the]]a mobile data processing system associated with a user, wherein the mobile data processing system has a wireless communications capability;

sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed;

receiving, <u>prior to establishing the call</u>, a response to the request, wherein the response includes [[an]]<u>the</u> address for the eall input by the user of the mobile data <u>processing system in response to receiving the notification message</u>; and sending a second request to setup the call to the user using the address.

- 53. (Original) The method as recited in claim 52, wherein the data processing system is a personal digital assistant.
- 54. (Currently amended) The method as recited in claim [[52]]53, wherein the personal digital assistant is a Palm VII.
- 55. (Original) The method as recited in claim 52, wherein the request and the response are session initiation protocol messages.
- 56. (Currently amended) A method for processing a call at a data processing system the method comprising:

Page 2 of 11 Osterhout et al. – 10/199,797



receiving a notification message at a data processing system indicating a request to setup the call;

presenting the notification to a user at the data processing system;

receiving [[a]]the request to establish [[a]]the call;

presenting caller information at the data processing system;

receiving user input from the user identifying an address to which the call is to be directed; and

responsive to an identification of [[an]]the address for the call, returning a response including the address to which the call is to be directed.

57. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises displaying the caller information.



- 58. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises presenting the caller information audibly.
- 59. (Original) The method as recited in claim 56, wherein the request and the response are session initiation protocol messages.
- 60. (Original) The method as recited in claim 56, wherein the data processing system is a wireless device.
- 61. (Original) The method as recited in claim 56, wherein the step of presenting caller information comprises a vibrating alert.
- 62. (Original) The method as recited in claim 56, wherein the data processing system is a two-way pager.
- 63-65. (Canceled)
- 66. (Original) A method for initiating calls, comprising the steps of:

Page 3 of 11 Osterhout et al. – 10/199,797 receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;

translating said registration notice from the first protocol into a second protocol; and

transmitting a modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.

67. (Original) The method as recited in claim 66, further comprising:
receiving a location data with which to redirect the incoming call from the
terminating device; wherein the location data is formatted in the second protocol; and
translating the location data to a second location data; and
transmitting the second location data, wherein the second location data is
formatted in the second protocol.



- 68. (Original) The method as recited in claim 66, wherein the first protocol is a session initiation protocol.
- 69. (Original) The method as recited in claim 66, wherein the second protocol is a hypertext markup language.

REMARKS

Claims 52-62 and 66-69 are pending in the present application. By this Response, claims 52, 54 and 56 are amended. Claim 52 is amended to recite sending a notification message to the mobile data processing system indicating the first request to setup the call and receiving prior to establishing the call a response to the request, wherein the response includes an address for the call selected by the user of the mobile data processing system in response to receiving the notification message. Claim 56 is amended to recite receiving a notification message at a data processing system indicating a request to setup a call. Support for the amendments to claims 52 and 56 may be found at least at page 14, lines 7-22 and page 17, line 21 to page 18, line 10 of the present specification. Claim 54 is amended to correct for antecedent basis. Reconsideration of the claims in view of the above amendments and the following remarks is respectfully requested.

I. 35 U.S.C. § 102, Alleged Anticipation, Claims 52-60 and 66-69

The Office Action rejects claims 52-60 and 66-69 under 35 U.S.C. § 102(e) as being allegedly anticipated by Wang et al. (U.S. Patent No. 6,161,134). This rejection is respectfully traversed.

As to independent claims 52 and 56, the Office Action states:

Wang discloses this limitation for a method to process a call as the user can set up the call using his palm top device with the mobile system with a preferred address to receive the call from a called party; in other words, the call is redirected or rerouted to another address which is specified by the user (see Wang, Figs 10-11 for call initialization process; Figs. 16-17 for the user intention to transfer the call to another number; Figs 18-19 for transferring status and then completed; and Figs 21-22 for options to forward incoming calls; see col. 36/line 10 to col. 37/line 11 for call forwarding and call transfer.

Office Action dated September 17, 2003, page 2.

Claim 52 reads as follows:

52. A method in a communications system for processing a call, the method comprising:

Page 5 of 11 Osterhout et al. – 10/199,797 sending a first request to setup the call to a mobile data processing system associated with a user, wherein the mobile data processing system has a wireless communications capability;

sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed;

receiving, prior to establishing the call, a response to the request, wherein the response includes the address input by the user of the mobile data processing system in response to receiving the notification message; and

sending a second request to setup the call to the user using the address. (emphasis added)

A prior art reference anticipates the claimed invention under 35 U.S.C. § 102 only if every element of a claimed invention is identically shown in that single reference, arranged as they are in the claims. In re Bond, 910 F.2d 831, 832, 15 U.S.P.Q.2d 1566, 1567 (Fed. Cir. 1990). All limitations of the claimed invention must be considered when determining patentability. In re Lowry, 32 F.3d 1579, 1582, 32 U.S.P.Q.2d 1031, 1034 (Fed. Cir. 1994). Anticipation focuses on whether a claim reads on the product or process a prior art reference discloses, not on what the reference broadly teaches. Kalman v. Kimberly-Clark Corp., 713 F.2d 760, 218 U.S.P.Q. 781 (Fed. Cir. 1983). Applicants respectfully submit that Wang does not identically show each and every element of the claimed invention arranged as they are in the claims. Specifically, Wang does not teach sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed.

Wang is directed to an information appliance and a telephone that function independently as well as with each other as companion appliances. The information appliance stores user information and the telephone is linked to a network. The companion appliances are capable of simultaneously exchanging voice and data messages with devices connected to the network. The companion appliances are connected to each other physically through a communications port, and exchange user personalized information, user commands, and responses corresponding to action of the network-

Page 6 of 11 Osterhout et al. – 10/199,797 connected devices. Aspects of the invention include: a method for exchanging voice and data messages between a telephone and devices connected to a network, a portable computer adapted for connection to a telephone, a telephone adapted for connection to a portable computer, and a communications system including the telephone connected to the portable computer.

Nowhere in Wang is it taught to send a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed. The Office Action refers to Figures 21 and 22 for options to forward calls. The sections of Wang, related to Figures 21 and 22, teach that the forwarding feature is set up in advance of a call being received and that all calls coming into the information appliance are diverted to the forwarded phone. Furthermore, once the call forwarding setup is completed the information appliance sends a message to the physically connected phone and the information appliance is no longer accessed when an incoming call is detected, as the telephone automatically forwards all calls until the user discontinues the forwarding feature. Thus, Wang does not teach presenting a notification of an incoming call to the user and, in response to the notification, allowing the user to input the address to which the call is to be directed.

Additionally, the Office Action refers to Figures 16 and 17 for options to transfer calls. The sections of Wang, related to Figures 16 and 17, teach that the call must already be connected before it can be transferred. The transfer process of Wang allows the user to transfer an already connected call to any device that is connected to the LAN link to which the telephone is already connected. Thus, this feature of Wang, does not teach presenting a notification of an incoming call to the user and, in response to the notification, allowing the user to input the address to which the call is to be directed.

Nowhere in the cited sections of Wang, or any other sections, is it taught to sending a notification message to the mobile data processing system indicating the first request to setup the call, wherein the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed and receiving, prior to

Page 7 of 11 Osterhout et al. – 10/199,797 establishing the call, a response to the request, wherein the <u>response includes the address</u> input by the user of the mobile data processing system in response to receiving the notification message.

Thus, in view of the above, Wang does not teach each and every feature of independent claim 52 as is required under 35 U.S.C. § 102(e). At least by virtue of their dependency on independent claim 52, Wang does not teach each and every feature of dependent claims 53-55. Accordingly, Applicants respectfully request withdrawal of the rejection of claims 52-55 under 35 U.S.C. § 102(e).

In addition to the above, Wang does not teach or suggest the specific features of independent claim 56 which reads as follows:

56. A method for processing a call at a data processing system the method comprising:

receiving a notification message at a data processing system indicating a request to setup the call;

presenting the notification to a user at the data processing system; receiving the request to establish the call;

presenting caller information at the data processing system;

receiving user input from the user identifying an address to which the call is to be directed; and

responsive to an identification of the address for the call, returning a response including the address to which the call is to be directed. (emphasis added)

Nowhere in Wang is it taught to receive user input from the user identifying an address to which the call is to be directed and, responsive to an identification of the address for the call, return a response including the address to which the call is to be directed. As shown above, neither the call forwarding feature nor the transfer feature of Wang allow the user to receive a notification of an incoming call and in response to that notification identify the address to which the call is to be directed.

Thus, in view of the above, Wang does not teach each and every feature of independent claim 56 as is required under 35 U.S.C. § 102(e). At least by virtue of their dependency on independent claim 52, Wang does not teach each and every feature of dependent claims 57-60. Accordingly, Applicants respectfully request withdrawal of the rejection of claims 57-60 under 35 U.S.C. § 102(e).

Page 8 of 11 Osterhout et al. – 10/199,797 The Office Action fails to address the specific features of claim 66-69 and instead merely rejects claims 66-69 for reasons given in addressing the scope of claims 52-60. However, claims 66-69 have different scope than claims 52-60. For example, claim 66 recites receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol, translating said registration notice from the first protocol into a second protocol, and transmitting a modified registration notice to a terminating device, wherein the modified registration notice is formatted in the second protocol. As an additional example, claim 67 recites receiving a location data with which to redirect the incoming call from the terminating device, wherein the location data is formatted in the second protocol, translating the location data to a second location data and transmitting the second location data, wherein the second location data is formatted in the second protocol. None of these features are addressed in the rejection of claims 52-60. Thus, the Office Action has failed to establish a case of anticipation based on Wang since the Office Action fails to even address these features.

Thus, in view of the above, Wang does not teach each and every feature of independent claim 66 as is required under 35 U.S.C. § 102(e). At least by virtue of their dependency on independent claim 66, Wang does not teach each and every feature of dependent claims 67-69. Accordingly, Applicants respectfully request withdrawal of the rejection of claims 66-69 under 35 U.S.C. § 102(e).

Furthermore, Wang does not teach, suggest, or give any incentive to make the needed changes to reach the presently claimed invention. Absent the Examiner pointing out some teaching or incentive to implement Wang send a notification message to the mobile data processing system indicating the first request to setup the call, where the notification is presented to the user via the mobile data processing system and, in response to the notification, user input is received from the user identifying an address to which the call is to be directed, one of ordinary skill in the art would not be led to modify Wang to reach the present invention when the reference is examined as a whole. Absent some teaching, suggestion, or incentive to modify Wang in this manner, the presently claimed invention can be reached only through an improper use of hindsight using the applicants' disclosure as a template to make the necessary changes to reach the claimed invention.

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II. 35 U.S.C. § 103, Alleged Obviousness, Claims 60-62

The Office Action rejects claims 60-62 under 35 U.S.C. § 103(a) as being allegedly unpatentable over Wang et al. (U.S. Patent No. 6,161,134). This rejection is respectfully traversed.

Claims 60-62 are dependent on claim 56, and thus, these claims distinguish over Wang for at least the reasons noted above with regard to claim 56. Moreover, the alleged knowledge of a data processing systems being wireless or a two-way pager and presenting caller information using a vibrating alert would not be sufficient to reject claim 56 or claims 60-62 by virtue of their dependency. That is, the knowledge of a data processing systems being wireless or a two-way pager and presenting caller information using a vibrating alert, does not teach receiving user input from the user identifying an address to which the call is to be directed and responsive to an identification of the address for the call, returning a response including the address to which the call is to be directed, as recited in claim 56 from which claims 60-62 depend. Accordingly, Applicants respectfully request withdrawal of the rejection of claims 60-62 under 35 U.S.C. § 103(a).

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III. Conclusion

It is respectfully urged that the subject application is patentable over Wang and is now in condition for allowance. The Examiner is invited to call the undersigned at the below-listed telephone number if in the opinion of the Examiner such a telephone conference would expedite or aid the prosecution and examination of this application.

Respectfully submitted,

DATE: 12(1)/03

Duke W. Yee Reg. No. 34,285

Stephen J. Walder, Jr. Reg. No. 41,534 Carstens, Yee & Cahoon, LLP P.O. Box 802334 Dallas, TX 75380 (972) 367-2001 Attorneys for Applicants

SJW/fl



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DEM		_ 1
In re application of: Osterhout et al.	§	Group Art Unit: 2685
Serial No.: 10/199,797	§ §	Examiner: Nguyen, Thuan T.
Filed: July 19, 2002	8 § 8	Attorney Docket No.: 11032RRUS04D \-504
For: Portable Call Management System	8 § §	

CHANGE OF ATTORNEY'S ADDRESS IN APPLICATION

Please send all correspondence for this application to the following:

USPTO Customer Number 35527 Duke W. Yee Carstens Yee & Cahoon, LLP P.O. Box 802334 Dallas, TX 75380 RECEIVED

DEC 2 9 2003

Technology Center 2600

Please direct telephone calls to:

(972) 367-2001

Duke W. Yee Reg. No. 34,285

Carstens, Yee & Cahoon, L.L.P.

P.O. Box 802334 Dallas, TX 75380

Tel. No.: (972) 367-2001

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on December 17, 2003 by Michele Morrow





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

§ §

§

In re application of: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

35527
PATENT TRADEMARK OFFICE
CUSTOMER NUMBER

Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

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By:

Michele Morrow

TRANSMITTAL DOCUMENT

RECEIVED

DEC 2 9 2003

Technology Center 2600

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

ENCLOSED HEREWITH:

- Change of Attorney's Address in Application;
- Response to Office Action; and
- Our return postcard.

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 50-0392. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 50-0392.

Respectfully submitted,

Duke W. Yee

Registration No. 34,285

CARSTENS, YEE & CAHOON, LLP

P.O. Box 802334 Dallas, Texas 75380 (972) 367-2001

ATTORNEY FOR APPLICANTS







UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS PO. Box 1430 Alexandria, Viginia 22313-1450 www.uspio.gsv

*						
APPLICATION NO.		FILING DA	TE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/199,797	07/19/200)2	Gregory T. Osterhout	11032RRUS04D	1786
	21498 7	7590 09	/17/2003			
		TWORKS CORPORATION		EXAMI	NER	
	P O BOX 8321	LECTUAL PROPERTY LAW GROU OX 832130 ARDSON, TX 750832130		P ,	NGUYEN, 1	THUAN T
,	RICHARDSO	N, IX /50832	130		ART UNIT	PAPER NUMBER
					2685	
					DATE MAILED: 09/17/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

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Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	AT	TORNEY DOCKET NO.
		. 7	EX	AMINER
			ART UNIT	PAPER NUMBER
			DATE MAILED:	7

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

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•		I A Provide			
•	Application No.	Applicant(s)			
Office Action Summany	10/199,797	OSTERHOUT ET AL.			
Office Action Summary	Examiner	Art Unit			
	THUAN T. NGUYEN	2685			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status					
1) Responsive to communication(s) filed on	·				
	is action is non-final.				
3) Since this application is in condition for allowa	ance except for formal matters, p	rosecution as to the merits is			
closed in accordance with the practice under Disposition of Claims	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.			
4) Claim(s) <u>52-62 and 66-69</u> is/are pending in the	e application.				
4a) Of the above claim(s) is/are withdraw	wn from consideration.				
5) Claim(s) is/are allowed.					
6) Claim(s) <u>52-62 and 66-69</u> is/are rejected.		٦			
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	r election requirement.				
Application Papers					
9) The specification is objected to by the Examine	r.				
10)⊠ The drawing(s) filed on <u>19 July 2002</u> is/are: a)∑	•				
Applicant may not request that any objection to the	• • • • • • • • • • • • • • • • • • • •	` '			
11) The proposed drawing correction filed on	- , = , , , , , , , , , , , , , , , , ,	oved by the Examiner.			
If approved, corrected drawings are required in rep	•				
12)☐ The oath or declaration is objected to by the Ex	aminer.				
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a	a)-(d) or (f).			
a) ☐ All b) ☐ Some * c) ☐ None of:					
 Certified copies of the priority documents 	s have been received.				
2. Certified copies of the priority document	s have been received in Applicat	ion No			
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
14) ☐ Acknowledgment is made of a claim for domesti	c priority under 35 U.S.C. § 119(e) (to a provisional application).			
 a) ☐ The translation of the foreign language pro 15)☐ Acknowledgment is made of a claim for domesting 	• •				
Attachment(s)	. ,				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4 	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)			

U.S. Patent and Trademark Office PTOL-326 (Rev. 04-01)

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Page 2

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 52-60 and 66-69 are rejected under 35 U.S.C. 102(e) as being anticipated by Wang et al (U.S. Patent No. 6,161,134).

Regarding claims 52 and 56, Wang discloses this limitation for a method to process a call as the user can set up the call using his palm top device with the mobile system with a preferred address to receive the call from a called party; in other words, the call is redirected or rerouted to another address which is specified by the user (see Wang, Figs 10-11 for call initialization process; Figs. 16-17 for the user intention to transfer the call to another number; Figs. 18-19 for transferring status and then completed; and Figs. 21-22 for options to forward incoming calls; see col. 36/line 10 to col. 37/line 11 for call forwarding and call transfer).

As for claims 53-54, Wang discloses that the palm top device is a personal digital assistant (col. 1/lines 13-46 & col. 10/lines 8-25) and a Palm top computer. (The Palm

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version number is not a significant patentability weight herein because Palm Computing, Inc develops these devices).

As for claims 55 and 59, Wang further discloses "wherein the request and response are session initiation protocol messages" (col. 11/lines 13-21 for SIP addressed).

As for claim 57-58, Wang discloses that caller identification is provided to the user (Fig. 25) and the user can set up audio elements depending on user's preferences (col. 38/lines 15-28).

As for claim 60, Wang discloses that the data processing system is a wireless device (Figs. 10-35).

As for claims 66-69, these claims are rejected for the reasons given in the scope of claims 52-60 as already discussed above, and as for claim 69 alone, with the second protocol is a hypertext markup language, i.e., Internet access with a protocol such as TCP/IP is well known for a protocol using a hypertext markup language (col. 21/lines 5-40).

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Page 3

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4. Claims 60-62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wang et al. (U.S. Patent No. 6,161,134).

Regarding claims 6\$\ightheta -62\$, Wang does not specifically discloses that the information appliance device 210 for using in the network 200 (Fig. 2) is a two-way pager and providing a vibrating alert in the step of presenting caller information; however, Wang does suggest that the information appliance device can be any device capable of storing user information and exchanging information with the network (col. 9/lines 32-42). It inherently suggests that a two-way pager is not limited to use within this system; and the vibrating alert of a pager when an incoming call with caller ID is a function that is well known in the art. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Wang's system with a two-way pager and its known vibrating alert function plugged-in for use within the system instead or in addition of a palmtop computer/PDA device in order to provide additional communication device to users such as a two-way pager or any other form of communication device for communication in a broader network, for instance, including a pager network in this scenario.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Uranaka et al (US Patent 6,421,536 B1) & Martinez et al (US Patent PUB 2002/0118800 A1) disclose systems related to call transfer and/or call forwarding with caller ID.

Page 4

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Page 5

6. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

or faxed to:

(703) 872-9314, (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Thuan Nguyen whose telephone number is (703) 308-5860. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM, with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (703) 305-4385.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600 Customer Service Office** whose telephone number is (703) 306-0377.

TONY IT NGUYEN
PATENT EXAMINER

Tony T. Nguyen Art Unit 2685 September 5, 2003

Notice of References Cited Application/Control No. 10/199,797 Examiner THUAN T. NGUYEN Applicant(s)/Patent Under Reexamination OSTERHOUT ET AL. Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	Α	US-6,161,134 ،	12-2000	Wang et al.	709/220
	В	US-6,421,536 B1 '	07-2002	Uranaka et al.	455/417
	С	US-2002/0118800 A1 ·	08-2002	Martinez et al.	379/67.1
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office PTO-892 (Rev. 01-2001)

Notice of References Cited

Part of Paper No. 7

U.S. DEPT. OF COMMERCE PATENT AND TRADEMARK OFFICE Page 1 of 1 ATTORNEY DOCKET NO. SERIAL NO. Form PTO-1449 11032RRUS04D **Not Assigned** LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) APPLICANT Osterhout et al. FILING DATE July 19, 2002 **GROUP ART UNIT U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT **PUBLICATION** INVENTOR NAME CLASS/ **FILING** INITIAL NO. DATE **SUBCLASS** DATE **FOREIGN PATENT DOCUMENTS EXAMINER** DOCUMENT **PUBLICATION** COUNTRY CLASS/ **TRANSLATION** INITIAL NO. DATE **SUBCLASS** YES OTHER PRIOR ART (including author, title, date, pertinent page, etc.) AA Handley et al., "SIP: Session Initiation Protocol; March 1999, pp. 1-134. 3Com Corporation, "Web Clipping Developer's Guide", Document Number 3009-001; Print Date AB 8/7/99, pp. 1-93. **RELATED PATENT APPLICATIONS APPLICANT FILING EXAMINER** APPLICATION NO./ TITLE DATE INITIAL ATTY. DOCKET NO **DATE CONSIDERED EXAMINER** EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Technology Center 2600

In re application of: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

Group Art Unit: 2684

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

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8, 2002.

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Dell Whitton

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents Washington, D.C. 20231

Sir:

No fees are believed to be necessary. If, however, any fees are required, I authorize the Commissioner to charge these fees to Deposit Account No. 50-0392. No extension of time is believed to be necessary. If, however, an extension of time is necessary, the extension is requested and I authorize the Commissioner to charge the necessary extension fees to Deposit Account No. 50-0392.

Prior to examination of this application, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 43-51.

Page 1 of 2 Osterhout et al. - 10/199,797

REMARKS

Claims 43-51 are canceled. Claims 52-62 and 66-69 remain in the application. These claims are believed to be in condition for allowance. The examiner is invited to call the undersigned at the below-listed telephone number if in the opinion of the examiner such a telephone conference would expedite or aid the prosecution and examination of this application.

Date: No. 8, 2002

Respectfully submitted,

Stephen R. Tkacs

Registration No. 46,430

CARSTENS YEE & CAHOON, LLP

P.O. Box 802334

Dallas, Texas 75380

(972) 367-2001

AGENT FOR APPLICANTS



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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NOV 1 5 2002

In re application of: Osterhout et al.

Serial No.: 10/199,797

Filed: July 19, 2002

For: Portable Call Management

System

Group Art Unit: 2684

Technology Center 2600

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

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20231 on November 8, 2002.

¦Ву:

Dell Whitton

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Assistant Commissioner of Patents Washington, D.C. 20231

Sir:

ENCLOSED HEREWITH:

- Preliminary Amendment; and
- Our return postcard.

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 50-0392. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 50-0392.

Respectfully submitted,

Duke W. Yee

Registration No. 34,285

CARSTENS, YEE & CAHOON, LLP

P.O. Box 802334 Dallas, Texas 75380 (972) 367-2001

ATTORNEY FOR APPLICANTS









United States Patent and Trademark Office

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UNITED STATES PATENT AND TRADEMARK OF
Washington, D.C. 20

September 19, 2002

Duke W. Lee Carstens Yee & Cahoon, LLP P.O. Box 802334 Dllas, Texas 75380

, cannot be granted for the reason specified below. Refund based upon subsequent establishment of small entity status: A refund based on establishment of small entity status may be granted only if a written assertion of entitlement to small entity status under 37 CFR 1.27 and a request for refund of the excess amount are filed within three months of payment and of the fee (37 CFR 1.28). Three-month period for establishing small entity status and requesting a refund has expired. Refund of application filing or petition fee: Filing fees paid for an application that is entitled to a filing date and required petition fees are not fees paid by mistake or in excess. If an application is not entitled to a filing date and proceedings are terminated on the application, any filing fees (less the \$130 handling fee) will be refunded (37 CFR 1.53(e)(3)). ☐ Refund of overpayment: There was no overpayment made by applicant. All fees were calculated and assessed properly. **See below** ☐ The payment for which the refund is requested has not been applied to the application. The payment check was returned to applicant for the following reason: ☐ Not filled out properly. (See attached copy of notice.) □ Not made payable in U.S. funds. ☐ No explanation was given as to purpose. ☐ Payment was previously received and applied by Office. ☐ Check was returned by bank for insufficient funds.

We regret to inform you that your refund request for \$156.00 on application number 10/199797

**Any request for reconsideration or review of this decision must be by way of a petition filed within two months of this decision, which decision must set forth with particularity why a refund is due (see 37 CFR 1.181(b) and (f)).

The extra charges were for the claims. You had multiple claims ,See claims 98, 99, 100, each claim is worth 55. plus the multiple claim fee of \$140.00

If there are any further questions, please contact meat (703) 308-3642

Sincerely,

Eleanor F. Kurtz Office of Initial Patent Examination

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Osterhout et al.

Serial No.: Not Assigned

Filed: July 19, 2002

For: Portable Call Management

System

Group Art Unit: 2684

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

I hereby certify this correspondence is being deposited with the United States Postal Service as Express mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on July 19, 2002.

Rv.

Krista Douthitt

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents Washington, D.C. 20231

Sir:

No fees are believed to be necessary. If, however, any fees are required, I authorize the Commissioner to charge these fees to Deposit Account No. 50-0392. No extension of time is believed to be necessary. If, however, an extension of time is necessary, the extension is requested and I authorize the Commissioner to charge the necessary extension fees to Deposit Account No. 50-0392.

Prior to examination of this application, please amend the above-identified application as follows:

IN THE SPECIFICATION:

On page one, before the BACKGROUND OF THE INVENTION, please insert the following paragraph:

This application is a divisional of application number 09/419,175, filed October 15, 1999, status pending.

IN THE CLAIMS:

Please cancel claims 1-42 and 63-65.

Page 1 of 2
Osterhout et al. - 11032RRUS04D

REMARKS

Claims 1-42 and 63-65 have been canceled. Claims 52-62 and 66-69 remain in the application. These claims are believed to be in condition for allowance. The examiner is invited to call the undersigned at the below-listed telephone number if in the opinion of the examiner such a telephone conference would expedite or aid the prosecution and examination of this application.

Date: July 19, 2002

Respectfully submitted,

Duke W. Yee

Registration No. 34,285

CARSTENS YEE & CAHOON, LLP

P.O. Box 802334 Dallas, Texas 75380

(972) 367-2001

ATTORNEY FOR APPLICANT

CARSTENS, YEE & CAHOON, L.L.P.

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August 14, 2002

Via Fax No. (703) 308-6778 and Via First Class Mail

United States Patent and Trademark Office Deposit Accounts
Washington, D.C. 20231

RE:

Deposit Account No. 50-0392

Carstens, Yee & Cahoon, L.L.P.

Customer No. 022858

Ladies and Gentlemen,

We are in receipt of your July 2002 Statement for Deposit Account No. 50-0392. There are two (2) charges which were made in error, as follows:

Date	Control No.	Description	Docket No.	Fee Code	Charges
07/25/02	117	10/199,797	11032RRUS04D	102	\$84.00
07/25/02	118	10/199,797	11032RRUS04D	103	\$72.00

We did not authorize these charges to our deposit account and request that such funds be refunded as soon as possible.

As indicated by the attached Preliminary Amendment as filed on 07/19/02, and the attached Fee Transmittal Document, there are 15 total claims and 3 independent claims. There was an error on the Fee Transmittal originally filed which stated that there are 2 independent claims. Actually, there are 3, but still no fee should be required. Therefore, please credit the amount of \$156.00 to Deposit Account No. 50-0392.

Please feel free to contact me or my Paralegal, Krista Douthitt, at the number shown above should you have any questions concerning this matter.

Very truly yours,

Duke W. Ye

DWY/kdd Enclosure

PTO/SB/17 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

740.00 **TOTAL AMOUNT OF PAYMENT** (\$)

Complete if Known				
Application Number	Not Assigned			
Filing Date	07/19/2002			
First Named Inventor	Osterhout et al.			
Examiner Name	Nguyen, Thuan T.			
Group Art Unit	2684			
Attorney Docket No.	11032RRUS04D	_		

1. Deposit Account Number Deposit Account Name Charge Any Additional Fee Required Under 37 CFR 1.18 and 1.17 The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Large Small Entity Entity Fee Fee Fee Fee Fee Fee Code (\$) Code (\$) The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Large Small Entity Entity Fee Fee Fee Fee Fee Fee Description Fee Poor Code (\$) Code (\$) The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Large Small Entity Fee Fee Fee Fee Fee Fee Fee Fee Description Fee Poor Code (\$) Code (\$) The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Large Small Entity Fee Fee Fee Fee Fee Fee Fee Fee Fee Description Fee Poor Code (\$) The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Large Small Entity Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe	
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Applicant claims small entity status. 139 130 139 130 Non-English specification	_
See 37 CFR 1.27 147 2,520 147 2,520 For filing a request for ex parte reexamination	
2. Payment Enclosed: Check Credit card Money Order Other 112 920° 112 920° Requesting publication of SIR prior to Examiner action	
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1. BASIC FILING FEE 115 110 215 55 Extension for reply within first month	
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106 330 206 165 Design filing fee 128 1,960 228 980 Extension for reply within fifth month	
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108 740 208 370 Reissue filing fee 120 320 220 160 Filing a brief in support of an appeal	
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SUBMITTED BY		Complete (ii	Complete (if applicable)	
Name (Print/Type)	Duke W. Yee	Registration No. (Attorney/Agent) 34,285	Telephone	(972) 367-2001
Signature	Weshall		Date	07/19/2002

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17-22-02

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UTILITY PATENT APPLICATION TRANSMITTAL

Signature

Attorney Docket No.		1	1032RRUS04D	
First Inventor		Osterhout et al.		
Title	Portable Call N	Лa	anagement System	
_			EV/000000443LIC	

🛪 ly for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. | EV082028113US Assistant Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: **Box Patent Application** See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or n original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) See 37 CFR 1.27. opecification [Total Pages (preferred arrangement set forth below) 3. Computer Readable Form (CRF) - Descriptive title of the invention Specification Sequence Listing on: - Cross Reference to Related Applications i. CD-ROM or CD-R (2 copies); or - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention **ACCOMPANYING APPLICATION PARTS** Brief Description of the Drawings (if filed) - Detailed Description Assignment Papers (cover sheet & document(s)) - Claim(s) 37 CFR 3.73(b) Statement Power of - Abstract of the Disclosure (when there is an assignee) Attorney English Translation Document (if applicable) 4. Drawing(s) (35 U.S.C. 113) [Total Sheets Copies of IDS Information Disclosure Citations [Total Pages 5. Oath or Declaration Statement (IDS)/PTO-1449 Preliminary Amendment Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) 1 (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) **DELETION OF INVENTOR(S)** Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: 09 , 419,175 Continuation 🗸 Divisional Continuation-in-part (CIP) of prior application No. Examiner. Nguyen, Thuan T. Group Art Unit 2684 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Correspondence address below Name Address City State Zip Code Country Telephone Duke W. Yee Name (Print/Type) Registration No. (Attorney/Agent) 34,285

Burden Hour Statement: This form is estimated to take 00 hours to complete Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO. Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

07/19/2002

PTO/SB/17 (10-01)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 7	40.00
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Complete if Known		
Application Number	Not Assigned	
Filing Date	07/19/2002	
First Named Inventor	Osterhout et al.	
Examiner Name	Nguyen, Thuan T.	
Group Art Unit	2684	
Attorney Docket No.	11032RRUS04D	

METHOD OF PAYMENT	FEE CALCULATION (continued)			
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Charge Any Additional Fee Required Under 37 CFR 1 16 and 1 17	127 50 227 25 Surcharge - late provisional filing fee or cover sheet			
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Check Credit card Money Order Other	Examiner action 113 1,840* 113 1,840* Requesting publication of SIR after			
FEE CALCULATION	Examiner action			
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month			
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Total Claims 15 -20** = 0 x 18.00 = 0.00	143 460 243 230 Design issue fee			
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102 84 202 42 Independent claims in excess of 3	146 740 246 370 Filing a submission after final rejection			
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SUBMITTED BY Complete (if applicable)			f applicable)	
Name (Print/Type)	Duke W. Yee	Registration No. (Attorney/Agent) 34,285	Telephone	(972) 367-2001
Signature	Weshall a		Date	07/19/2002

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Osterhout et al.

Serial No.: Not Assigned

Examiner: Nguyen, Thuan T.

Siled: July 19, 2002

Attorney Docket No.: 11032RRUS04D

For: Portable Call Management

System

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

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By

Krista Douthitt

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents Washington, D.C. 20231

Sir:

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filed October 15, 1999, status pending.

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Page 1 of 2 Osterhout et al. – 11032RRUS04D

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Date: July 19, 2002

Respectfully submitted,

Duke W. Yee

Registration No. 34,285

CARSTENS YEE & CAHOON, LLP

P.O. Box 802334 Dallas, Texas 75380 (972) 367-2001

ATTORNEY FOR APPLICANT

Page 2 of 2 Osterhout et al. – 11032RRUS04D

1

Express Mail No.: EL356872801US

Docket No. 11032RR

PORTABLE CALL MANAGEMENT SYSTEM

5 1. Field of the Invention:

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The present invention relates to telecommunications systems and, more specifically, to methods of transferring calls real time from one device to another.

2. Background of the Invention:

Historically, when a caller telephoned a party, if the party to which the caller wished to speak with did not answer the phone or if the line was busy, the caller had to hang up and redial at a later time hoping that the second call would reach the intended party. Often times, the caller would need to attempt to contact the party multiple times in order to reach that party. If the caller had urgent information in which time was of the essence, this method was unsatisfactory and often resulted in the intended party missing important business or other opportunities.

Some of these problems were alleviated with the introduction of answering machines and voice mail systems. However, even these solutions were not completely satisfactory. For instance, utilizing answering machines and voice mail systems required the called party to actively retrieve their messages. Thus, either many important messages were still not received in a timely manner if the called party did not retrieve their messages frequently or the called party was required to check their voice mail or answering machine quite frequently when the party was out of the office or home in order to insure that messages were retrieved quickly. Thus, this results in the same problem as having the caller repeatedly call the intended party, except that in this case it is the called party that must waste its time insuring that no messages are missed.

A more recent solution to this problem is the introduction of subscriber's static reach list. A static reach list enabled a subscriber (i.e., called party) to enter a list of telephone numbers (or IP addresses, etc.) where the subscriber might be reached. The subscriber would enter these numbers in the order of preference in

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Docket No. 11032RR

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which the subscriber wished the telecommunications system to try to reach the subscriber. Therefore, if the subscriber were going to be away from the location of the subscriber's normal telephone number, if a call were received for the subscriber, the telecommunications system would redirect the subscriber's calls to the next number on the static reach list until the subscriber were reached or until the list of numbers was exhausted.

However, this method required the subscriber to know in advance the telephone number or other communications address at which the subscriber would be while traveling. Many times such information is unknowable either because the person does not know a number at the location to which they are travelling or because the person does not know sufficiently in advance where they will be in order to update the static reach list with the appropriate number. Therefore, it would be beneficial to have a method of to prevent a called party from missing calls without being required to know the number of a phone at which they will be in advance.

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SUMMARY OF THE INVENTION

The present invention solves the problem of preventing a called party from missing calls without having to know in advance the number at which they will be by providing a method and apparatus for redirecting a call from a data processing system to another address. In a preferred embodiment, a notice of an incoming call received from a server at a data processing system. This notice may include caller identification information as well. The user of the data processing system is prompted for an address to which the user wishes the call to be redirected. The user then identifies and sends to the server a new address to which the incoming call is to be redirected.

In another aspect of the present invention, an SIP server receives a notice of a call and forwards the notice to a SIP user agent. The SIP proxy server then identifies the address to which the called party wishes the call sent from a database of preferred locations. The called party has previously registered their preferred location to this database. The SIP user agent then sends a message to the called party that they have an incoming call. The called party then identifies a phone number or IP address to which the called party wishes the call to be redirected. Thus, the called party can have their calls originally directed to their handheld personal digital assistant or other data processing device. Thus, when a call is received, the called party can determine at that time how to dispose of the call.

Other aspects and features of the present invention will become apparent to those ordinarily skilled in the art upon review of the following description of specific embodiments of the invention in conjunction with the accompanying figures.

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Docket No. 11032RR

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BRIEF DESCRIPTION OF THE DRAWINGS

The novel features believed characteristic of the invention are set forth in the appended claims. The invention itself, however, as well as a preferred mode of use, further objectives and advantages thereof, will best be understood by reference to the following detailed description of an illustrative embodiment when read in conjunction with the accompanying drawings, wherein:

Figure 1 depicts a block diagram illustrating a communications network in which the present invention may be implemented;

Figure 2 depicts a block diagram of a data processing system which may be implemented as a server in accordance with the present invention;

Figure 3 depicts a block diagram of a portable device such as a personal digital assistant (PDA) in which the present invention may be implemented;

Figure 4 depicts a block diagram of a data processing system in which the present invention may be implemented;

Figure 5 depicts a message flow chart illustrating the processes of redirecting a call in real time from according to the present invention;

Figures 6A-6E illustrate examples of sample HTML or web pages displayed to a user of a portable computing device;

Figure 7 depicts a flowchart illustrating the methods executed on a portable computing device in accordance with a preferred embodiment of the present invention;

Figure 8 depicts a flowchart illustrating the processes of redirecting a call which are implemented on a server within the communications network in accordance with the present invention;

Figure 9 depicts a flowchart illustrating a method of converting HTML to SIP as performed by a SIP User Agent in accordance with the present invention;

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Figure 10 depicts a flowchart illustrating a method of converting an SIP signal into an HTML message in accordance with the present invention.

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DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

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With-reference now to the figures, and in particular with reference to Figure 1, a system diagram illustrating a plurality of interconnected heterogeneous networks in which a the present invention may be implemented is depicted. As illustrated, an Internet Protocol (IP) network 102, a Local Area Network (LAN) / Wide Area Network (WAN) 104, the Public Switched Telephone Network (PSTN) 109, a cellular wireless network 112, and a satellite communication network 116 make up the plurality of heterogeneous networks serviced by the personal mobility system of the present invention.

IP network 102 may be the publicly available IP network, a private IP network, or a combination of public and private IP networks. In any case, IP network 102 operates according to the Internet Protocol and routes packets among its many switches and through its many transmission paths. IP networks are generally known in the art to be expandable, fairly easy to use and heavily supported. Coupled to IP network 102 is a Domain Name Server (DNS) 108 to which queries may be sent, such queries each requesting an IP address based upon a Uniform Resource Locator (URL). IP network 102 supports 32 bit IP addresses as well as 128 bit IP addresses, which are currently in the planning stage.

LAN/WAN 104 couples to IP network 102 via a proxy server 106 (or another connection). LAN/WAN 104 may operate according to various communication protocols, such as the Internet Protocol, the Asynchronous Transfer Mode (ATM) protocol, or other known packet switched protocols. Proxy server 106 serves to route data between IP network 102 and LAN/WAN 104. A firewall that precludes unwanted communications from entering LAN/WAN 104 may also be located at the location of proxy server 106.

Computer 120 couples to LAN/WAN 104 and supports communications with LAN/WAN 104. Computer 120 may employ the LAN/WAN and proxy

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server 106 to communicate with other devices across IP network 102. Such communications are generally known in the art and will not be further described herein except to expand upon the teachings of the present invention. As is also shown, phone 122 couples to computer 120 and may be employed to initiate IP Telephony communications with another phone or voice terminal using IP Telephony. In such an IP telephony system, a gatekeeper 152 is deployed by a service provider to manage IP telephony for its users. An IP phone 154 connected to IP network 102 (or other phone, e.g., phone 124) may communicate with phone 122 using IP telephony.

PSTN 109 is a circuit switched network that is primarily employed for voice communications, such as those enabled by a standard phone 124. However, PSTN 109 also supports the transmission of data. Data transmissions may be supported to a tone based terminal, such as a FAX machine 125, to a tone based modem contained in computer 126, or to another device that couples to PSTN 109 via a digital connection, such as an Integrated Services Digital Network (ISDN) line, an Asynchronous Digital Subscriber Line (ADSL), or another digital connection to a terminal that supports such a connection. As illustrated, a voice terminal, such as phone 128, may couple to PSTN 109 via computer 126 rather than being supported directly by PSTN 109, as is the case with phone 124. Thus, computer 126 may support IP telephony with voice terminal 128, for example.

Cellular network 112 supports wireless communications with terminals operating in its service area (which may cover a city, county, state, country, etc.). As is known, cellular network 112 includes a plurality of towers, e.g., 130, that each service communications within a respective cell. Wireless terminals that may operate in conjunction with cellular network 112 include wireless handsets 132 and wirelessly enabled laptop computers 134, for example. Wireless handsets 132 could be, for example, personal digital assistants, wireless or cellular telephones, or two-way pagers. Cellular network 112 couples to IP network 102 via gateway 114.

Wireless handsets 132 and wirelessly enabled laptop computers 134 may communicate with cellular network 112 using a wireless application protocol

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(WAP). WAP is an open, global specification that allows mobile users with wireless devices, such as, for example, mobile phones, pagers, two-way radios, smartphones, communicators, personal digital assistants, and portable laptop computers, to easily access and interact with information and services almost instantly. WAP is a communications protocol and application environment and can be built on any operating system including, for example, Palm OS, EPOC, Windows CE, FLEXOS, OS/9, and JavaOS. WAP provides interoperability even between different device families.

WAP is the wireless equivalent of Hypertext Transfer Protocol (HTTP) and Hypertext Markup Language (HTML). The HTTP-like component defines the communication protocol between the handheld device and a server or gateway. This component addresses characteristics that are unique to wireless devices, such as data rate and round-trip response time. The HTML-like component, Wireless Markup Language (WML), defines new markup and scripting languages for displaying information to and interacting with the user. This component is highly focused on the limited display size and limited input devices available on small, handheld devices. For example, a typical cell phone may have only a 4x10-character display with 16-gray levels and only a numeric keypad plus up/down volume keys.

Cellular network 112 operates according to an operating standard, which may be the Advanced Mobile Phone System (AMPS) standard, the Code Division Multiple Access (CDMA) standard, the Time Division Multiple Access (TDMA) standard, or the Global System for Mobile Communications or Groupe Speciale Mobile (GSM), for example. Independent of the standard(s) supported by cellular network 112, cellular network 112 supports voice and data communications with terminal units, e.g., 132 and 134.

Satellite network 116 includes at least one satellite dish 136 that operates in conjunction with a satellite 138 to provide satellite communications with a plurality of terminals, e.g., laptop computer 142 and satellite handset 140. Satellite handset 140 could also be a two-way pager. Satellite network 116 may be serviced by one or more geosynchronous orbiting satellites, a plurality of

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medium earth orbit satellites, or a plurality of low earth orbit satellites. In any case, satellite network 116 services voice and data communications and couples to IP network 102 via gateway 118.

Wireless Proxy 160 is coupled to IP network 102 and is coupled to a plurality of towers, e.g., 162, which each provide wireless communications with wireless devices such as wireless device 164. Wireless Proxy 160 provides access to IP network 102 to wireless device 164, such as personal digital assistants (PDAs), that may require proprietary or other special protocols in order to communicate with IP network 102. For example, wireless proxy server 160 may be a 3Com server utilizing 3Com protocols for communicating with a Palm VII, a handheld portable computing device available from 3Com Corporation in Santa Clara, California.

In a preferred embodiment of the present invention, wireless proxy 160 is a 3Com proxy server supporting communications with Palm VII personal organizer and portable computing device 164 is a Palm VII personal organizer. In this embodiment, communications between wireless proxy server 160 and portable computing device 164 is facilitated by the use of Palm Query Applications (PQAs). A PQA is like a mini-Web site that resides on portable computing device 164. That is, a PQA is a special kind of record database. A typical PQA contains an HTML form or a list of hyperlinks that request additional information either locally — on personal computing device 164 — or remotely — on the Internet.

Much of the content on the Internet is designed to take advantage of the power of Pentium/RISC-class computers with large, high resolution color monitors and fast and cheap Internet access. In these circumstances, there is little reason to economize on the abundant connect time and large file size that make Web browsing such a rich, multimedia experience from a desktop or notebook computer.

However, this model is not the best model for a small, low-power computer like the Palm VII organizer with its tiny screen, battery powered operation, and relatively slow and expensive wireless connection to the Internet.

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Rather than duplicate the Web browsing model on a handheld computer, PQAs are developed that access targeted bits of Internet information — like clippings from a newspaper. Typically, a handheld computer user does not focus on following hyperlinks to the Internet (although this is available), but instead, they compose a simple query in the PQA (for example a request for a stock quote) and then send that query over the air.

Also included in network 100 is a Session Initiation Protocol (SIP) proxy 170. SIP proxy 170 is connected to IP network 102 and provides switching and routing for communication over IP network 102. SIP proxy 170 also maintains a static list of preferred locations to which a user wishes telephone calls or other communication types sent. When a request to initiate a communications session is received, SIP proxy 170 retrieves the static list of the called party and routes the call to the top address in the static list. If the communications session is not established with the top address in the static list, then SIP proxy 170 may attempt to access the next address in the list and so on until the called party is reached or until the addresses in the static list are exhausted.

SIP is a textual based signaling protocol for creating, modifying and terminating sessions. These sessions can be multimedia conferences, Internet telephone calls and similar applications consisting of one or more media types such as, for example, audio, video, or whiteboard. SIP invitations are used to create sessions and carry session descriptions, which allow participants to agree on a set of compatible media types. SIP requests can be sent either over TCP or UDP.

SIP User Agent 172 is also connected with IP Network 102. SIP User Agent 172 translates between SIP communications and Hypertext Transfer Protocol (HTTP) and other extensible markup language (XML) based protocols such as Voice XML (VOXML) and Wireless Application Protocol (WAP).

Figure 1 is intended as an example and not as an architectural limitation for the processes of the present invention.

In a preferred embodiment, a user registers an address to which they wish their voice calls or other communications to be sent. The address can be an IP

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address, a PSTN address or other type of address for locating an electronic device such as a data processing system or telephone. As an example, consider a user of portable device 164 wishing to have all of their calls routed to the portable device. The user of portable device 164 sends an HTML registration request to Wireless Proxy 160, which then forwards the HTML registration request to SIP User Agent 172. SIP User Agent SIP 172 translates the HTML registration request from HTML into an SIP registration statement and sends the SIP registration statement to SIP Proxy 170. SIP Proxy 170 then updates the user's static list and inserts the newly received address into the top of the static list as the first address to attempt to establish a connection with if a request to initiate communications with that user is received. If the user does not have a static list, SIP Proxy 170 can create one and then place the received address in the newly created static list. The registration request does not have to initiate from a portable wireless device such as portable device 164 but may initiate with a LAN based data processing system such as client 120 or with some other type of wireless device.

When SIP Proxy 170 receives a request to initiate communications, such as a voice telephone call, with a user, SIP Proxy 170 retrieves the static list for the called party and determines the first address to contact. SIP Proxy 170 then sends an SIP Invite message to SIP User Agent 172. SIP User Agent 172 translates the SIP Invite message into an HTML message and sends the HTML message to Wireless Proxy 160 which then forwards the HTML message to portable device 164.

Once the HTML invite message is received at portable device 164, the user may then determine how to dispose of the call. If portable device 164 is a telephone (or supports voice communications), the user may choose to take the call if it is someone to which the user wishes to speak. The user may also redirect the call elsewhere to a nearby PSTN address, to a voice mailbox, or to an IP address. Portable device 164 may even suggest options as to disposal of the incoming communication. For example, if the incoming communication is video, rather than a voice call, portable device 164 may suggest routing the

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communication to client 120 on LAN/WAN 104, which may be the nearest device capable of receiving such communication.

If the user decides to redirect the call to some other device, then redirection information in HTML format indicating the address of the new device is sent from portable device 164 to wireless proxy 160. Wireless proxy 160 then forwards the HTML redirect information to SIP User Agent 172, which converts the HTML redirect information into an SIP redirect and send the SIP redirect to SIP proxy 170. SIP User Agent 172 also sends an HTML notification to portable device 164 via wireless proxy 160 indicating that the communication is being redirected. SIP proxy 170 then redirects the communication to the new address and takes down the connection with portable device 164. If SIP proxy 170 is unable to make a connection with the new address (e.g., incorrect address, device off-line, etc.), then the communication must be terminated or the next address in the user's static list contacted. This is because the connection to portable device 164 has already been taken down thus preventing an attempt to request a new address to which to redirect the communication.

As an example of uses of such redirection methods and systems according to the present invention, consider a family consisting of a husband, wife, and children. Perhaps the husband has registered his wireless telephone as the device to which incoming calls to his home telephone should be delivered. If notification of an incoming call is received by the husband on his wireless telephone, he can look at the display to see who the caller is. If the husband determines that the call is for his wife, he can redirect the call to her work phone or to her wireless phone. If the call is for one of the children, the call can be redirected to the home phone. However, if the call is for the husband, he can choose to take the call on his wireless telephone. Alternatively, if the call is for the husband, but he does not wish to speak with the caller, the call can be forwarded to his voice mailbox.

As another example of the use of redirection methods and systems according to the present invention, consider a person travelling on business and away from the office. The business person can register a personal digital assistant (PDA) as the device to which incoming calls are directed. Thus, wherever the

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business person is, no calls will be misses because of being away from the office. If notification of a call is received, the business person can have the call redirected to a phone near where the business person is presently located. Such phone could be the room phone of the hotel where the person is currently staying or it could be the office phone of the person with which the business person is meeting.

Referring now to Figure 2, a block diagram of a data processing system which may be implemented as a server, such as server 106, 108, 160, or 170 in Figure 1, is depicted in accordance with the present invention. Data processing system 200 may be a symmetric multiprocessor (SMP) system including a plurality of processors 202 and 204 connected to system bus 206. Alternatively, a single processor system may be employed. Also connected to system bus 206 is memory controller/cache 208, which provides an interface to local memory 209. I/O bus bridge 210 is connected to system bus 206 and provides an interface to I/O bus 212. Memory controller/cache 208 and I/O bus bridge 210 may be integrated as depicted.

Peripheral component interconnect (PCI) bus bridge 214 connected to I/O bus 212 provides an interface to PCI local bus 216. A number of modems 218-220 may be connected to PCI bus 216. Typical PCI bus implementations will support four PCI expansion slots or add-in connectors. Communications links to network computers 120, 126, 134, and 142 in Figure 1 may be provided through modem 218 and network adapter 220 connected to PCI local bus 216 through add-in boards.

Additional PCI bus bridges 222 and 224 provide interfaces for additional PCI buses 226 and 228, from which additional modems or network adapters may be supported. In this manner, server 200 allows connections to multiple network computers. A memory mapped graphics adapter 230 and hard disk 232 may also be connected to I/O bus 212 as depicted, either directly or indirectly.

Those of ordinary skill in the art will appreciate that the hardware depicted in Figure 2 may vary. For example, other peripheral devices, such as optical disk drives and the like, also may be used in addition to or in place of the hardware

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depicted. The depicted example is not meant to imply architectural limitations with respect to the present invention.

The data processing system depicted in **Figure 2** may be, for example, an IBM RS/6000, a product of International Business Machines Corporation in Armonk, New York, running the Advanced Interactive Executive (AIX) operating system.

Turning now to Figure 3, a block diagram of a personal digital assistant (PDA), such as portable device 164 in Figure 1, is illustrated in which the present invention may be implemented. The PDA is typically a palmtop computer, such as, for example, a Palm VII, a product of 3Com Corporation in Santa Clara, California, connected to a wireless communications network and which may provide voice, fax, e-mail, and/or other types of communication. The PDA 300 may have one or more processors 302, such as a microprocessor, a main memory 304, a disk memory 306, and an I/O 308 such as a mouse, keyboard, or pen-type input, and a screen or monitor. The PDA 300 may also have a wireless transceiver 310 connected to an antenna 312 configured to transmit and receive wireless communications. The processor 302, memories 304, 306, I/O 308, and transceiver are connected to a bus 304. The bus transfers data, i.e., instructions and information, between each of the devices connected to it. The I/O 308 may permit faxes, e-mail, or optical images to be displayed on a monitor or printed out by a printer. The I/O 308 may be connected to a microphone 316 and a speaker 318 so that voice or sound information may be sent and received.

With reference now to Figure 4, a block diagram of a data processing system in which the present invention may be implemented is illustrated. Data processing system 400 is an example of a client computer such as client 120, 126, 134, or 142 in Figure 1. Data processing system 400 employs a peripheral component interconnect (PCI) local bus architecture. Although the depicted example employs a PCI bus, other bus architectures, such as Micro Channel and ISA, may be used. Processor 402 and main memory 404 are connected to PCI local bus 406 through PCI bridge 408. PCI bridge 408 may also include an integrated memory controller and cache memory for processor 402. Additional

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connections to PCI local bus 406 may be made through direct component interconnection or through add-in boards. In the depicted example, SCSI host bus adapter 412 and expansion bus interface 414 are connected to PCI local bus 406 by direct component connection. In contrast, audio adapter 416, graphics adapter 418, and audio/video adapter (A/V) 419 are connected to PCI local bus 406 by add-in boards inserted into expansion slots. Expansion bus interface 414 provides a connection for a keyboard and mouse adapter 420, modem 422, and additional memory 424. In the depicted example, SCSI host bus adapter 412 provides a connection for hard disk drive 426, tape drive 428, CD-ROM drive 430, and digital video disc read only memory drive (DVD-ROM) 432. Typical PCI local bus implementations will support three or four PCI expansion slots or add-in connectors.

An operating system runs on processor 402 and is used to coordinate and provide control of various components within data processing system 400 in Figure 4. The operating system may be a commercially available operating system, such as OS/2, which is available from International Business Machines Corporation. "OS/2" is a trademark of International Business Machines Corporation. An object oriented programming system, such as Java, may run in conjunction with the operating system, providing calls to the operating system from Java programs or applications executing on data processing system 400. Instructions for the operating system, the object-oriented operating system, and applications or programs are located on a storage device, such as hard disk drive 426, and may be loaded into main memory 404 for execution by processor 402.

Those of ordinary skill in the art will appreciate that the hardware in **Figure 4** may vary depending on the implementation. For example, other peripheral devices, such as optical disk drives and the like, may be used in addition to or in place of the hardware depicted in **Figure 4**. The depicted example is not meant to imply architectural limitations with respect to the present invention. For example, the processes of the present invention may be applied to multiprocessor data processing systems.

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Turning now to **Figure 5**, a message flow chart is depicted illustrating the processes of redirecting a call in real time from a wireless device according to the present invention. In this example, a redirect from a wireless device utilizing a wireless proxy is illustrated. A similar flow would result if the redirect were being sent from a LAN/WAN connected device except for the omission of wireless proxy 508.

A user of a portable computing device such as a PDA or laptop computer initiates a registration by entering a proxy ID, a proxy port, and an address, such as, for example, a PSTN number or an IP address, and sending this information to wireless proxy 508 (step M01). Figures 6A illustrates an example of a sample HTML screen displayed to a user to initiate registration. The user may pull up the registration page by selecting the word "register" 601 on the page. Figure 6B illustrates an example of a sample HTML screen allowing a user to register by providing prompts to enter an user name 602, a proxy identification 604, and a proxy port 606.

Wireless Proxy 508 receives the HTML registration web page and forwards it to SIP user agent 506 (step M02). User agent 506 receives the HTML page and sends a SIP registration to SIP proxy 502 (step M03). SIP proxy 502 updates its destination list for the user with the address for portable computing device 510. Next, an SIP invite signal is sent to user agent 506 (step M04).

User agent 506 then sends an SIP 100-trying signal back to SIP proxy 502 (step M05). When a call for the user at portable computing device 510 is received by user agent 506, user agent 506 sends an HTML page to 3Com proxy 508 to indicate an incoming call for the user at portable computing device 510 (step M06). 3Com proxy 508 forwards the HTML page to portable computing device 510 (step M07). The HTML page is displayed the user of portable computing device 510 to indicate that the user has an incoming call. An example of such an HTML page is illustrated in Figure 6C. A hot button 608 is supplied which the user may select to redirect the incoming call. Other hot buttons 614, 616, and 618 allow the user to place the call on hold, terminate the call without answering, or send the call to voice mail respectively. If redirection is chosen, the user of the

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portable computing device 510 then redirects the call to another destination by entering and sending a PSTN, IP, or other address as the new destination (step M08). Figure 6D illustrates an example of a sample HTML page in which the user may enter the new destination for the incoming phone call in destination box 610 and then send the new destination by selecting the "submit" hot button 612.

Wireless proxy 508 receives the HTML page containing the new destination and this page is forwarded to user agent 506 (step M09). User agent 506 sends a SIP 300 signal to SIP proxy 502 containing the new destination (step M10). User agent 506 also sends an HTML page to portable computing device 510 via 3Com proxy 508 indicating that the call was redirected (step M11). A message is displayed to the user of portable computing device 510 indicating that the call was redirected. An example of such a HTML page is illustrated in Figure 6E. SIP proxy 502 receives the 300 signal and sends out an invite to the new destination (step M12).

If portable computing device 510 does not respond to the message indicating that the user has an incoming call (step M07), then a SIP 480 Temporarily not available signal is sent from user agent 506 back to SIP proxy server 502. SIP proxy 502 can then decide how to process the call. For example, for calls to which the portable computing device does not respond, SIP proxy 502 could forward the call to a predefined destination or take the call down.

Turning now to **Figure 7**, a flowchart illustrating the methods executed on a portable computing device in accordance with a preferred embodiment of the present invention is depicted. To start, a user of a data processing device registers the address of their data processing device that they wish their calls to be delivered to (step **702**). Typically, when the data processing device is activated, it performs an SIP registration with a SIP registration server, effectively causing all future calls to route to this device as the first selection. On deactivation of the device, the shutdown processing unregisters with the SIP registration server thereby restoring the defaults on how the called party is to be reached (i.e., the subscriber's static reach list). Next, when a call is made to the user, a notification of the incoming call is received at their data processing device (step **704**).

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Included in the notification may be caller identification information such as PSTN or IP address from where the call originated. The user then identifies a new destination for the incoming call to be sent (step 706). For example, if the user has traveled to a hotel, the user may enter the phone number of the room at the hotel. As another example, if the user is near a pay phone, the user may enter the phone number of the pay phone. Once the user has identified a new destination for the incoming call to be redirected to, this new destination is sent back to a SIP proxy via a SIP User Agent (step 708). Once the SIP User Agent receives the redirect request, the user will receive a notice indicating the call is being redirected (step 710).

Turning now to Figure 8, a flowchart illustrating the processes of redirecting a call which are implemented on a server within the communications network is depicted in accordance with the present invention. To start, a server within the communications network receives a request for call initiation from a PSTN (step 802). The server accesses a database to which the called party has registered the current device to which they wish their calls directed (step 804). The current device is registered at the top of a static reach list of numbers to try in order to reach the called party. Once the current device is identified, a notice is sent to the called parties current location indicating that the party has an incoming call and requesting information about where to direct the call (step 806). Next, a determination is made as to whether the user has responded to the request (step 808). If the user does not respond after a given period of time, then the call is disposed of according to a predetermined procedure (step 810). For example, if the user does not respond to the request, then the server may redirect the call to the next address in the called party's static reach list of preferred locations or if there are no more preferred locations stored in a database, the server may end the call. If the user does respond to the request, then the call is redirected to the new location and a confirmation is sent to the user indicating such (step 812). The call may be redirected to a cell phone, to a nearby wire-line device, to the called party's voice mailbox, or the party initiating the call may be placed on temporary hold. If the party initiating the call is placed on hold, a standard greeting will be

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sent to the calling party to make them aware that the called party is attempting to find an appropriate method to receive the call or is on another call and to stay on the call because the called party will answer momentarily.

Turning now to Figure 9, a flowchart illustrating a method of converting HTML to SIP as performed by a SIP User Agent is depicted in accordance with the present invention. To start, a SIP User Agent receives an HTML message (step 902). The SIP User Agent then parses the HTML message for class and content (step 904). The SIP User Agent then analyzes the message class and content (step 906) to create an SIP signal from the HTML message (step 908). The newly formed SIP signal is then sent to an SIP Proxy (step 910) and the process stops.

Turning now to **Figure 10**, a flowchart illustrating a method of converting an SIP signal into an HTML message is depicted in accordance with the present invention. First, the SIP User Agent receives an SIP signal from the SIP Proxy (step **1002**). The SIP signal is then parsed for message type (step **1004**) and the content, calling party, and called party are extracted from the SIP signal (step **1006**). Using the extracted information, the SIP User Agent generates an appropriate HTML page (step **1008**) and sends the HTML message to the called party (step **1010**) ending the process.

Although the present invention has been described primarily with reference to redirecting telephony communications. Other forms of media streams may be redirected as well. For example, a client such as client 120 or portable device 164, that has previously performed an SIP registration, receives a notification of incoming data streams. The notification will include information about what types of data streams are included. This will be encoded into the notification at either SIP Proxy 170 or at User Agent 172. The notice displayed to the user will inform the user of whether there are multiple types of data streams and what types of data streams are in the incoming communication. Once the notification is displayed to the user of the client, the client may then decide how to dispose of the incoming data streams. If the user selects one device, such as telephone 124 to send the data stream to, then the name or address of telephone

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124 will be sent back to SIP Proxy 170, which will then redirect the call to telephone 124. The user may select more than one device to send the data streams to as well. If the data stream consists of multiple data types, the user may instruct SIP Proxy 170 to send each data stream to a different type of device.

Furthermore, the user may instruct SIP Proxy 170 to send all of the data streams to several locations (forking) such that multiple parties may be connected (such as for a conference call) or to several locations, but have only the first to "pick up" or "answer" be connected. This last alternative might be useful if the user wished to redirect the data stream to another person, but was unsure of that person's location but did know of several possible locations of that person.

To help illustrate the present invention, consider the following example of a user's device receiving multiple types of data streams at a single device. For example, a user might have registered their personal digital assistant as the device to which to have incoming data streams routed. The SIP Proxy 170 receives an incoming data stream intended for this user and generates and routes a message to the user indicating the types of message streams and from what party. The types of message streams include audio, video (in MPEG format), text and a JPEG picture. The user of the personal digital assistant might decide to route the audio to speakers or to a telephone such as telephone 124, route the video to a desktop computer such as client 120 or to a television attached to a set top box, the text routed to a printer (perhaps connected to client 120), and the JPEG picture routed to a second computer such as client 126 or to a device dedicated to generating and displaying still pictures. Thus, each of the data streams were directed to a device which was best able to utilize and present the information to the user.

To illustrate "forking", consider a person receiving a data stream (perhaps a phone call, but not necessarily). The person after determining what the data stream is and/or who it is from, decides that other people within an organization should participate as well. The person would then enter several names or addresses for the SIP Proxy 170 to use to redirect the data stream. This list of several names could include the user originally receiving the notification. In that way several people could participate, such as on a conference call.

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In yet another example of forking, the user could receive notification of an incoming call and determine that that call was for another person. However, the user does not know the exact location of the other person, but does know of several locations where that person might be. The user in this case would enter several location names and instruct the proxy to redirect the call to each of them and connect the location which "picked up" first. In that manner the call is forwarded to the correct party even though the user receiving the notification knew no more than several possibilities of locations.

Although the present invention has been described primarily with reference to presenting call notification information to the called party through means of a display, other methods are also possible. Such methods include, but are not limited to, notifying the called party of an incoming call through the use of sounds or through a voice synthesizer if the portable device supported such options. Furthermore, as another option, the portable computing device could vibrate to indicate that the user had an incoming call. The use of sounds and vibrations could also be used to alert the called party of an incoming call such that they could direct their attention to a visual display which would indicate the nature and origin of the call.

Although described primarily with reference to SIP, an SIP proxy and an SIP user agent, other communications initiation and routing protocols, such as H.323 Protocol, can be utilized as well. Furthermore, other text based or XML based protocols may be utilized rather then HTTP and HTML. Examples of other protocols include, but are not limited to, Voice XML (VOXML), Speech Markup Language (SML), WAP, and XHTML. In such cases the SIP user agent would be replaced with a user agent which translated between the appropriate protocols.

It should be noted that although the present invention has been described with reference to utilizing a SIP proxy, a proxy of any kind is not necessary if the complete IP address of the device to which the call is to be directed is known and used. Furthermore, the SIP user agent is not necessary if all of the terminal devices (e.g., portable data processing systems, personal digital assistants, phones, desk top computers, cell phones) involved in a calling process utilize SIP such that

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communications with the SIP proxy does not need to be facilitated with a translating user agent. In this case, the SIP proxy becomes the agent. Furthermore, the SIP proxy does not have to be a proxy. Any device or software which can perform the functionality of the SIP proxy will suffice, wherein the primary functions performed by the SIP proxy are address lookup (determining the IP or other type address based on information received, i.e., converting john@nortel.com into an IP address) and redirecting calls.

It should also be noted that although the present invention has been described primarily with reference to voice calls, it applies to other types of communication as well, including, but not limited to for example, video conferencing or text messages. For example, a portable computing device could receive a notification of an incoming video call or video message and a user could redirect that incoming video message to a laptop or desktop computer, a television, or other video display terminal such that the video could be viewed by the called party. The device receiving the request could even suggest alternative destinations to redirect the call to based on the type of call (e.g. video, voice, text) the request corresponds to.

It is important to note that while the present invention has been described in the context of a fully functioning data processing system, those of ordinary skill in the art will appreciate that the processes of the present invention are capable of being distributed in the form of a computer readable medium of instructions and a variety of forms and that the present invention applies equally regardless of the particular type of signal bearing media actually used to carry out the distribution. Examples of computer readable media include recordable-type media such a floppy disc, a hard disk drive, a RAM, and CD-ROMs and transmission-type media such as digital and analog communications links.

The description of the present invention has been presented for purposes of illustration and description, but is not intended to be exhaustive or limited to the invention in the form disclosed. Many modifications and variations will be apparent to those of ordinary skill in the art. For example, the present invention is not limited to SIP and Palm VII's. Other types of call initiation protocols other

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than SIP may be utilized. Furthermore, other types of portable devices other then Palm VII's may be utilized including, but not limited to, portable computers, laptop computers, other types of personal digital assistants (PDAs), and other handheld data processing systems. The embodiment was chosen and described in order to best explain the principles of the invention, the practical application, and to enable others of ordinary skill in the art to understand the invention for various embodiments with various modifications as are suited to the particular use contemplated.

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- 2 CLAIMS:
- 3 What is claimed is:
- 1 1. A method of redirecting a call from a data processing system to another
- 2 address, comprising the steps of:
- 3 receiving at a data processing system a registration notice of an incoming call
- 4 from a server; and
- 5 responsive to determination of a new address; transmitting a new address to
- 6 which the incoming call is to be redirected.
- 1 2. The method as recited in claim 1, wherein said data processing system is a
- 2 personal digital assistant.
- 1 3. The method as recited in claim 1, wherein said data processing system is a
- 2 laptop computer.
- 1 4. The method as recited in claim 1, wherein said data processing system is a
- 2 portable computing device.
- 1 5. The method as recited in claim 1, wherein said data processing system is a
- 2 wireless device.
- 1 6. The method as recited in claim 1, wherein the registration notice is a session
- 2 initiation protocol registration notice.
- 1 7. The method as recited in claim 1, wherein the incoming call comprises video
- and the new address corresponds to a video display terminal.

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1 8. The method as recited in claim 1, wherein said data processing system is a

wire-line connected device.

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- 1 9. A computer program product in computer readable media for use in a data
- 2 processing system for redirecting a call from a data processing system to another
- address, the computer program product comprising:
- 4 first instructions for receiving at a data processing system a registration notice
- of an incoming call from a server; and
- 6 second instructions, responsive to determination of a new address; for
- 7 transmitting a new address to which the incoming call is to be redirected.
- 1 10. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a personal digital assistant.
- 1 11. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a laptop computer.
- 1 12. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a portable computing device.
- 1 13. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a wireless device.
- 1 14. The computer program product as recited in claim 9, wherein the registration
- 2 notice is a session initiation protocol registration notice.
- 1 15. The computer program product as recited in claim 9, wherein the incoming
- 2 call comprises video and the new address corresponds to a video display terminal.
- 1 16. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a wire-line connected device.

- 1 17. A system of redirecting a call from a data processing system to another
- 2 address, comprising:
- means for receiving at a data processing system a registration notice of an
- 4 incoming call from a server; and
- 5 means, responsive to determination of a new address; for transmitting a new
- 6 address to which the incoming call is to be redirected.
- 1 18. The system as recited in claim 17, wherein said data processing system is a
- 2 personal digital assistant.
- 1 19. The system as recited in claim 17, wherein said data processing system is a
- 2 laptop computer.
- 1 20. The system as recited in claim 17, wherein said data processing system is a
- 2 portable computing device.
- 1 21. The system as recited in claim 17, wherein said data processing system is a
- 2 wireless device.
- 1 22. The system as recited in claim 17, wherein the registration notice is a session
- 2 initiation protocol registration notice.
- 1 23. The system as recited in claim 17, wherein the incoming call comprises video
- 2 and the new address corresponds to a video display terminal.
- 1 24. The system as recited in claim 17, wherein said data processing system is a
- 2 wire-line connected device.

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- 1 25. A method for redirecting calls to a data processing system to a second
- 2 location; comprising the steps of:
- 3 sending a registration notification to a called party's preferred location; and
- 4 responsive to receipt of a new address from the called party, redirecting the
- 5 incoming call to the new address.
- 1 26. The method as recited in claim 25, further comprising:
- prior to said sending step, receiving a request to initiate a call with a called
- 3 party; and
- 4 determining a preferred location of the called party.
- 1 27. The method as recited in claim 25, wherein the registration notification is a
- 2 session initiation protocol registration.
- 1 28. The method as recited in claim 25, wherein the preferred location is a personal
- 2 digital assistant.
- 1 29. The method as recited in claim 28, wherein the personal digital assistant is a
- 2 Palm VII utilizing a Palm Query Application to provide a user interface.
- 1 30. The method as recited in claim 25, wherein the new address corresponds to a
- 2 voice mailbox.
- 1 31. The method as recited in claim 25, wherein the new address corresponds to
- 2 placing the incoming call on hold.
- 1 32. The method as recited in claim 25, wherein communication with the preferred
- 2 device is provided utilizing a wireless application protocol.

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- 1 33. The method as recited in claim 25, wherein the new address corresponds to a
- 2 wire-line device.

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- 1 34. A computer program product in computer readable media for use in a data
- 2 processing system for redirecting calls to a data processing system to a second
- 3 location; the computer program product comprising:
- 4 first instructions for sending a registration notification to a called party's
- 5 preferred location; and
- 6 second instructions, responsive to receipt of a new address from the called
- 7 party, for redirecting the incoming call to the new address.
- 1 35. The computer program product as recited in claim 34, further comprising:
- 2 prior to said sending step, third instructions for receiving a request to initiate a
- 3 call with a called party; and
- 4 fourth instructions for determining a preferred location of the called party.
- 1 36. The computer program product as recited in claim 34, wherein the registration
- 2 notification is a session initiation protocol registration.
- 1 37. The computer program product as recited in claim 34, wherein the preferred
- 2 location is a personal digital assistant.
- 1 38. The computer program product as recited in claim 37, wherein the personal
- 2 digital assistant is a Palm VII utilizing a Palm Query Application to provide a user
- 3 interface.
- 1 39. The computer program product as recited in claim 34, wherein the new
- 2 address corresponds to a voice mailbox.
- 1 40. The computer program product as recited in claim 34, wherein the new
- 2 address corresponds to placing the incoming call on hold.

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- 1 41. The computer program product as recited in claim 34, wherein
- 2 communication with the preferred device is provided utilizing a wireless application
- 3 protocol.
- 1 42. The computer program product as recited in claim 34, wherein the new
- 2 address corresponds to a wire-line device.

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- 1 43. A system for redirecting calls to a data processing system to a second
- 2 location; comprising:
- means for sending a registration notification to a called party's preferred
- 4 location; and
- 5 means, responsive to receipt of a new address from the called party, for
- 6 redirecting the incoming call to the new address.
- 1 44. The system as recited in claim 43, further comprising:
- prior to said sending step, means for receiving a request to initiate a call with a
- 3 called party; and
- 4 means for determining a preferred location of the called party.
- 1 45. The system as recited in claim 43, wherein the registration notification is a
- 2 session initiation protocol registration.
- 1 46. The system as recited in claim 43, wherein the preferred location is a personal
- 2 digital assistant.
- 1 47. The system as recited in claim 46, wherein the personal digital assistant is a
- 2 Palm VII utilizing a Palm Query Application to provide a user interface.
- 1 48. The system as recited in claim 43, wherein the new address corresponds to a
- 2 voice mailbox.
- 1 49. The system as recited in claim 43, wherein the new address corresponds to
- 2 placing the incoming call on hold.
- 1 50. The system as recited in claim 43, wherein communication with the preferred
- 2 device is provided utilizing a wireless application protocol.

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- 1 51. The system as recited in claim 43, wherein the new address corresponds to a
- 2 wire-line device.

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- 1 52. A method in a communications system for processing a call, the method comprising:
- 3 receiving at a mobile data processing system a call for a user;
- sending a first request to setup the call to the mobile data processing system
- associated with a user, wherein the mobile data processing system has a wireless
- 6 communications capability;
- 7 receiving a response to the request, wherein the response includes an address
- 8 for the call; and
- 9 sending a second request to setup the call to the user using the address.
- 1 53. The method as recited in claim 52, wherein the data processing system is a
- 2 personal digital assistant.
- 1 54. The method as recited in claim 52, wherein the personal digital assistant is a
- 2 Palm VII.
- 1 55. The method as recited in claim 52, wherein the request and the response are
- 2 session initiation protocol messages.

- 1 56. A method for processing a call at a data processing system the method
- 2 comprising:
- receiving a request to establish a call;
- 4 presenting caller information at the data processing system; and
- responsive to an identification of an address for the call, returning a response
- 6 including the address.
- 1 57. The method as recited in claim 56, wherein the step of presenting caller
- 2 information comprises displaying the caller information.
- 1 58. The method as recited in claim 56, wherein the step of presenting caller
- 2 information comprises presenting the caller information audibly.
- 1 59. The method as recited in claim 56, wherein the request and the response are
- 2 session initiation protocol messages.
- 1 60. The method as recited in claim 56, wherein the data processing system is a
- 2 wireless device.
- 1 61. The method as recited in claim 56, wherein the step of presenting caller
- 2 information comprises a vibrating alert.
- 1 62. The method as recited in claim 56, wherein the data processing system is a
- 2 two-way pager.

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63. A communications network for redirecting communications; comprising:
a proxy server for performing address lookup and directing calls;
a user agent functionally connected to the aid proxy server to provide protocol translation between a protocol recognized by the proxy server and a protocol recognized by a terminal unit and to provide a communication link between the proxy server and the terminal unit; wherein

the proxy server, responsive to an indication from the terminal unit to redirect a call, redirects calls to a new location.

- 64. The network as recited in claim 63, wherein the proxy server is a session initiation protocol proxy server and the user agent is a session initiation protocol user agent for translating between session initiation protocol and a second protocol.
 - 65. The network as recited in claim 64, wherein the second protocol is HTML.

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66. A method for initiating calls, comprising the steps of:

receiving registration notice of an incoming call, wherein said registration notice is formatted in a first protocol;

translating said registration notice from the first protocol into a second protocol; and ·

transmitting a modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.

- 67. The method as recited in claim 66, further comprising:
 receiving a location data with which to redirect the incoming call from the
 terminating device; wherein the location data is formatted in the second protocol; and
 translating the location data to a second location data; and
 transmitting the second location data, wherein the second location data is
 formatted in the second protocol.
- 68. The method as recited in claim 66, wherein the first protocol is a session initiation protocol.
 - 69. The method as recited in claim 66, wherein the second protocol is a hypertext markup language.

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Docket No. 11032RR

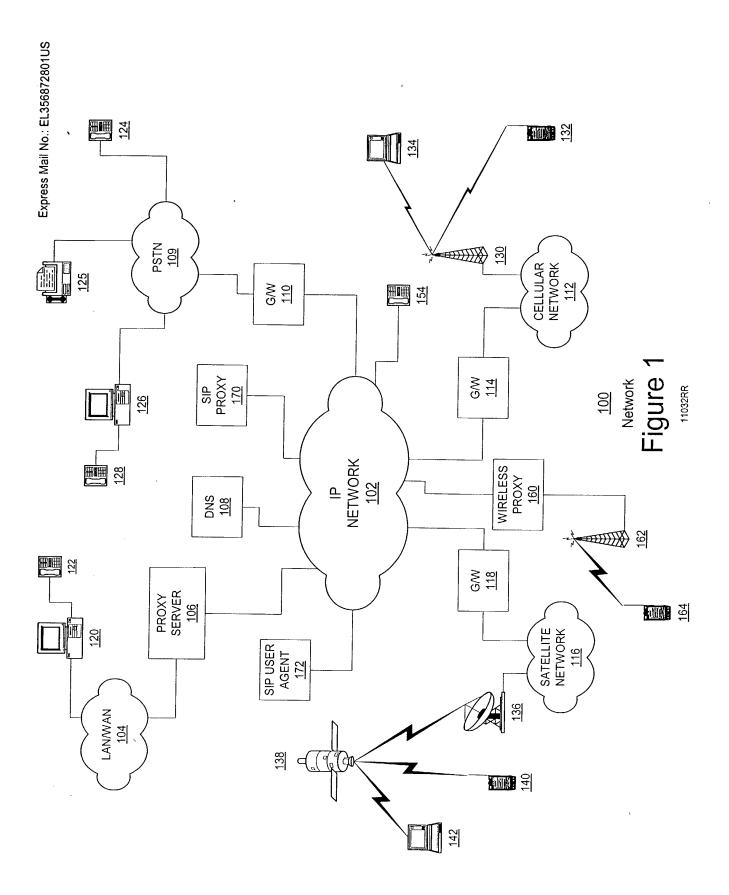
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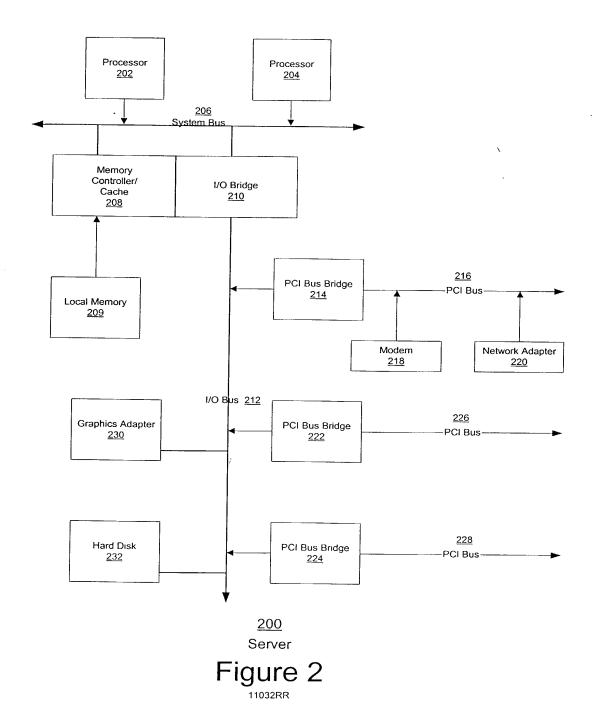
ABSTRACT OF THE DISCLOSURE

PORTABLE CALL MANAGEMENT SYSTEM

A method of redirecting a call from a data processing system to another address. In a preferred embodiment, a notice of an incoming call received from a server at a data processing system. This notice may include caller identification information as well. The user of the data processing system is prompted for an address to which the user wishes the call to be redirected. The user then identifies and sends to the server a new address to which the incoming call is to be redirected. The server then redirects the call to the new address.

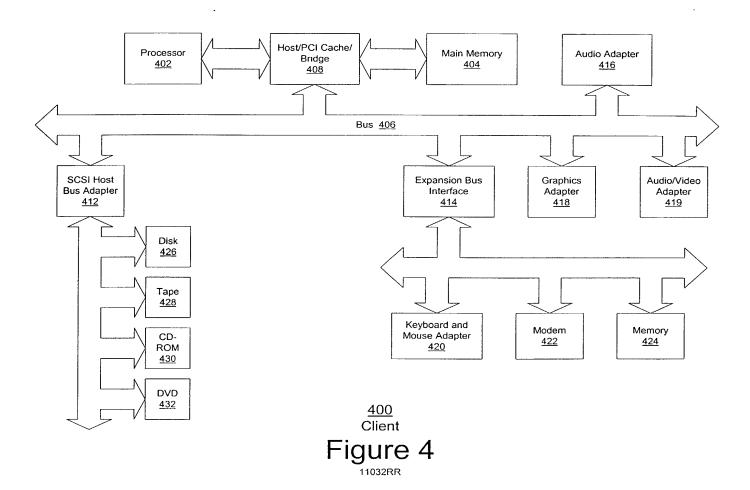


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Express Mail No.: EL356872801US Transceiver 310 Processor 302 Main Memory 304 314 I/O Disk Memory 306 <u>308</u> <u>318</u> <u>316</u>

Figure 3



Portable SIP User New Wireless Proxy Computing SIP Proxy Destination Agent 508 502 Device 506 512 510 register <u>M01</u> HTML registration <u>M02</u> SIP registration <u>M03</u> SIP invite <u>M04</u> SIP trying <u>M05</u> incoming call M06 HTML incoming call_ M07 redirect info <u>M08</u> HTML redirect <u>M09</u> SIP redirect notification notification <u>M11</u> <u>M11</u>

Figure 5

SIP invite M12 NORTEL NETWORKS

Register 601

Figure 6A

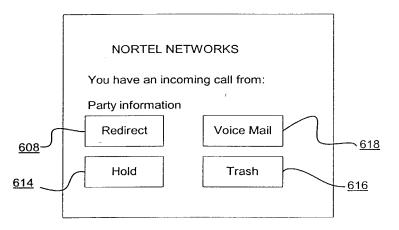


Figure 6C

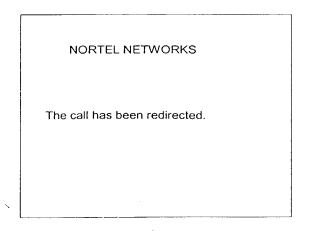


Figure 6E

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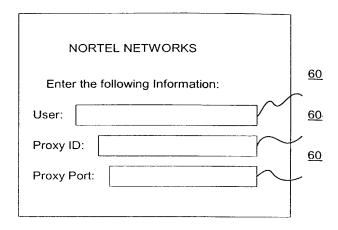


Figure 6B

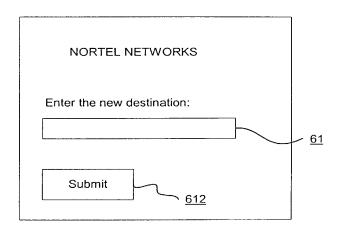


Figure 6D

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Figure 7

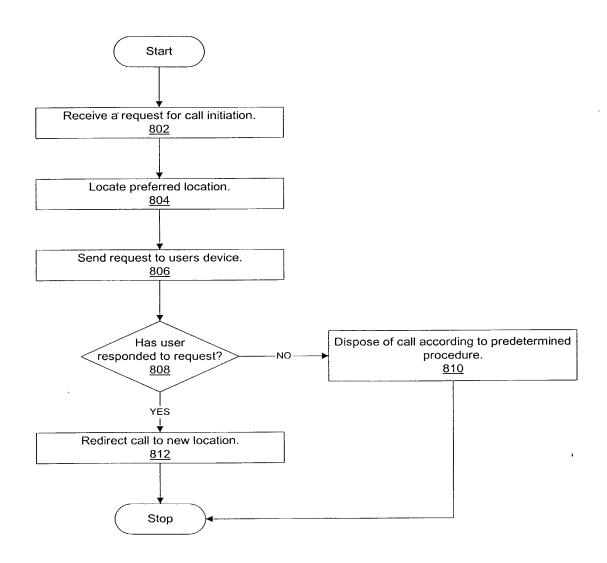


Figure 8

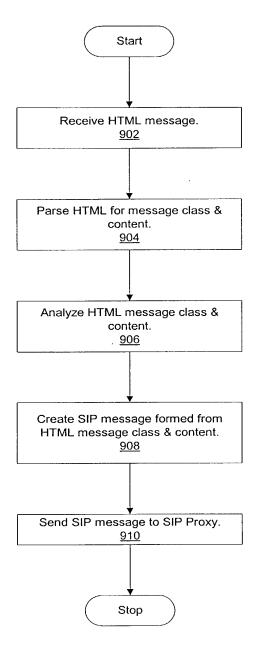


Figure 9

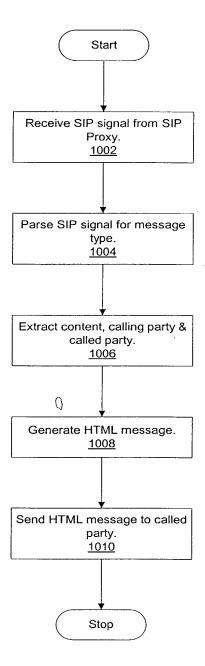


Figure 10

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Docket Number, 11032RR

Page 1 of 3

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the specification of which: (check one)

A filed herewith under Attorney's Docket Number 11032RR

PORTABLE CALL MANAGEMENT SYSTEM

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR 1.56.

I hereby claim the benefit under Title 35 United States Code section 120 of the provisional application filed under 111b of this title as listed below:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine of imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FOST OFFICE ADDRESS: Same As Above

Docket Number: 11032RR

Page 2 of 3

POWER OF ATTORNEY. As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

John D. Crane, Reg. No. 25,231;

Christopher O. Edwards, Reg. No. 36,127; Robert C. Klinger, Reg. No. 34,365; James A. Harrison, Reg. No. 40,401; W. Glen Johnson, Reg. No. 39,525; Duke W. Yee, Reg. No. 34,285; Rudolph J. Buchel, Reg. No. 43,448, Joseph R. Burwell, Reg. No. 44,468, Stephen R. Loe, Reg. No. 43,757.

Send correspondence to John D. Crane, Nortel Networks Corporation, Patent Department; P.O. Box 833858, Mail Stop 468/05/B10; Richardson, Texas 75083-3858 and direct all telephone calls to John D. Crane, telephone. (972) 695-8442.

(1) FULL NAME OF INVENTOR: Gregory T. Ostarhout INVENTOR'S SIGNATURE: June T. Ostarhout	DATE: 10/15/199
RESIDENCE: 313 Falcon Court, Coppell, TX 75019	COUNTY: Dallas
CITIZENSHIP: United States POST OFFICE ADDRESS: Same As Above	
(2) FULL NAME OF INVENTOR: Kim B. Holmes	
INVENTOR'S SIGNATURE:	DATE:
RESIDENCE: 5409 Scenic Drive, Rowlett, TX 75088	COUNTY: Dallas
CITIZE NSHIP: Canada	

TOTAL P.04

(3) FULL NAME OF INVENTOR: Mark Sosebee	
INVENTOR'S SIGNATURE:	_ DATE:
RESIDENCE: 920 Goodwin Drive, Plano, TX 75023	COUNTY: Collin
CITIZENSHIP: United States	

POST OFFICE ADDRESS: Same As Above

Docket Number: 11032RR Page 1 of 3

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the specification of which: (check one)

<u>X</u> was filed on October 15, 1999, under Attorney's Docket Number 11032RR as Application No. 09/419,175

PORTABLE CALL MANAGEMENT SYSTEM

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR 1.56.

I hereby claim the benefit under Title 35 United States Code section 120 of the provisional application filed under 111b of this title as listed below:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine of imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Docket Number: 11032RR Page 2 of 3

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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Send correspondence to John D. Crane, Nortel Networks Corporation, Patent Department; P.O. Box 833858, Mail Stop 468/05/B10; Richardson, Texas 75083-3858 and direct all telephone calls to John D. Crane, telephone: (972) 695-8442.

(1) FULL NAME OF INVENTOR: Gregory T. Osterhout	
INVENTOR'S SIGNATURE:	DATE:
RESIDENCE: 313 Falcon Court, Coppell, TX 75019	COUNTY: Dallas
CITIZENSHIP: United States	
POST OFFICE ADDRESS: Same As Above	
(2) FULL NAME OF INVENTOR: Kim B. Holmes	
INVENTOR'S SIGNATURE:	DATE: /1/17/99.
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CITIZENSHIP: Canada	

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Docket Number: 11032RR

Page 3 of 3

(3) FULL NAME OF INVENTOR: Mark Sosebee

INVENTOR'S SIGNATURE: Mach fostler

DATE: 11/17/99

RESIDENCE: 920 Goodwin Drive, Plano, TX 75023

COUNTY: Collin

CITIZENSHIP: United States

POST OFFICE ADDRESS: Same As Above



U.S. UTILITY Patent Application

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PATENT NUMBER and ISSUE DATE

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INTERFERENCE SEARCHED								
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SEARCH NOTES (List databases searched. Attach search strategy inside.) Date Exmr. Fast Levely 9/2/03 26 1 - 9/3/03 26 Wyngen Vo 9/3/03 36 Fut Searchy 19/4/24 26 4 12/44 26

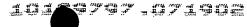
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	PATENT APPLICATION	First I	nventor	Osterhout et al.	
U. W. P.	TRANSMITTAL	Title	Portable Call M	lanagement System	
		Cunra	a Mail Labal Na	EV/082028113LIS	

APPLICATION ELEMENTS	ADDRESS TO: Assistant Commissioner for Patents ADDRESS TO:
See MPEP chapter 600 concerning utility patent application contents.	Washington, DC 20231
Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. Specification [Total Pages [38]] [preferred arrangement set forth below] Descriptive title of the invention Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 37 CFR 3.73(b) Statement Power of Attorney
4.	11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other:
Continuation Divisional Continuation-in-part (CIP)	of prior application No.: 09 / 419,175
Prior application information: Examiner: Nguyen, Thuan T.	Group Art Unit: 2684
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the price Box 5b, is considered a part of the disclosure of the accompanying continuation The incorporation can only be relied upon when a portion has been inadvertently	or application, from which an oath or declaration is supplied under nor divisional application and is hereby incorporated by reference.
19. CORRESPONDENCE	· · · · · · · · · · · · · · · · · · ·
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PTO/SB/17 (10-01)

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FEE TRANSMITTAL for FY 2002

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TOTAL AMOUNT OF PAYMENT

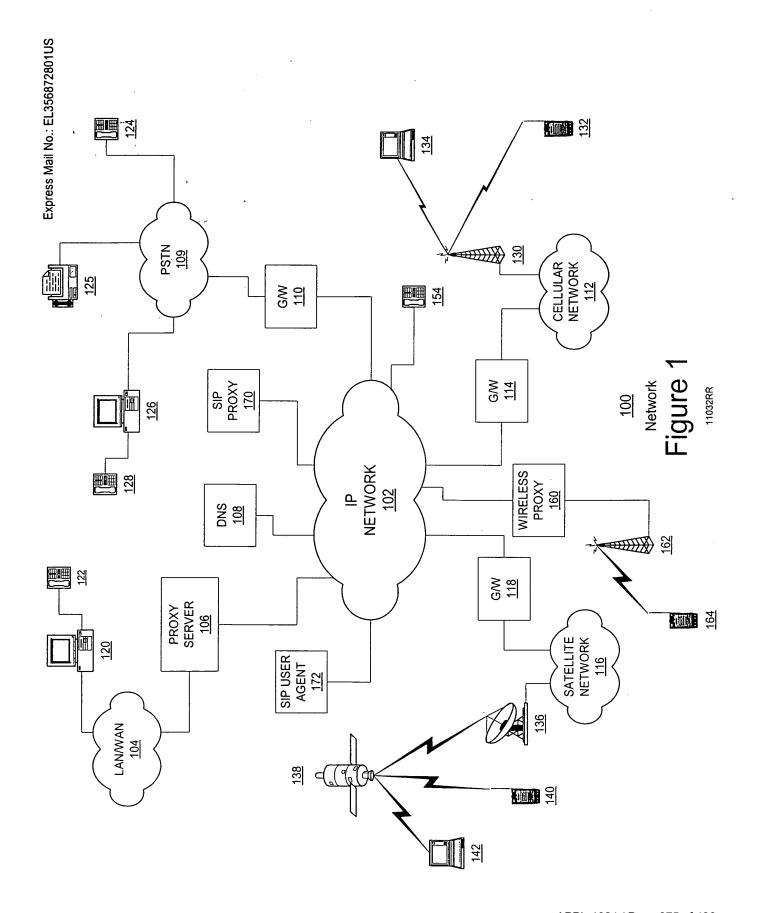
Complete if Known					
Application Number	Not Assigned				
Filing Date	07/19/2002				
First Named Inventor Osterhout et al.					
Examiner Name	Nguyen, Thuan T.				
Group Art Unit 2684					
Attorney Docket No.	11032RRUS04D				

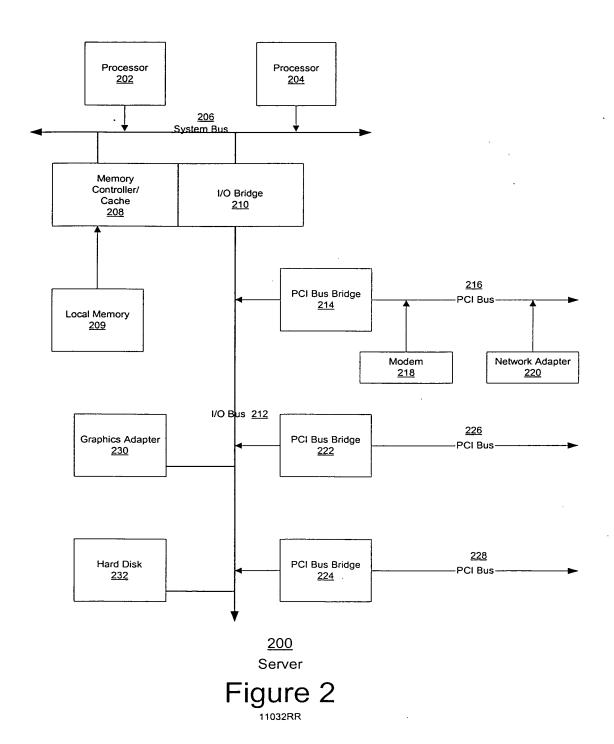
METHOD OF PAYMENT	FEE CALCULATION (continued)				
The Commissioner is hereby authorized to charge indicated fees and gradit any everyownests to:	3. ADDITIONAL FEES				
indicated fees and credit any overpayments to:	Large Small				
Account Number 50-0392	Entity Entity Fee Fee Fee Fee Fee Description Fee Paid				
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Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17	127 50 227 25 Surcharge - late provisional filing fee or cover sheet				
Applicant claims small entity status.	139 130 139 130 Non-English specification				
See 37 CFR 1.27	147 2,520 147 2,520 For filing a request for ex parte reexamination				
2. Payment Enclosed:	112 920* 112 920* Requesting publication of SIR prior to				
Check Credit card Money Other	Examiner action				
FEE CALCULATION	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action				
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month				
Large Entity Small Entity	116 400 216 200 Extension for reply within second month				
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	117 920 217 460 Extension for reply within third month				
101 740 201 370 Utility filing fee 740.00	118 1,440 218 720 Extension for reply within fourth month				
106 330 206 165 Design filing fee	128 1,960 228 980 Extension for reply within fifth month				
107 510 207 255 Plant filing fee	119 320 219 160 Notice of Appeal				
108 740 208 370 Reissue filing fee	120 320 220 160 Filing a brief in support of an appeal				
114 160 214 80 Provisional filing fee	121 280 221 140 Request for oral hearing				
·	138 1,510 138 1,510 Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 740.00	140 110 240 55 Petition to revive - unavoidable				
2. EXTRA CLAIM FEES Fee from	141 1,280 241 640 Petition to revive - unintentional				
Ext <u>ra Claims below Fee Paid</u>	142 1,280 242 640 Utility issue fee (or reissue)				
Total Claims 15 -20** = 0 x 18.00 = 0.00	143 460 243 230 Design issue fee				
Claims 2 -3 - 0 x 64.00 = 0.00	144 620 244 310 Plant issue fee				
Multiple Dependent 280.00 = 0.00	122 130 122 130 Petitions to the Commissioner				
Laura Fatte & D. W. W.	123 50 123 50 Processing fee under 37 CFR 1.17(q)				
Large Entity Small Entity Fee Fee Fee Fee Fee Description	126 180 126 180 Submission of Information Disclosure Stmt				
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)				
102 84 202 42 Independent claims in excess of 3	146 740 246 370 Filing a submission after final rejection (37 CFR § 1.129(a))				
104 280 204 140 Multiple dependent claim, if not paid 109 84 209 42 ** Reissue independent claims over original patent	149 740 249 370 For each additional invention to be examined (37 CFR § 1.129(b))				
110 18 210 9 ** Reissue claims in excess of 20	179 740 279 370 Request for Continued Examination (RCE)				
and over original patent	169 900 169 900 Request for expedited examination of a design application				
SUBTOTAL (2) (\$) 0.00	Other fee (specify)				
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3)				

SUBMITTED BY			Complete (i	f applicable)
Name (Print/Type)	Duke W. Yee	Registration No. (Attorney/Agent) 34,285	Telephone	(972) 367-2001
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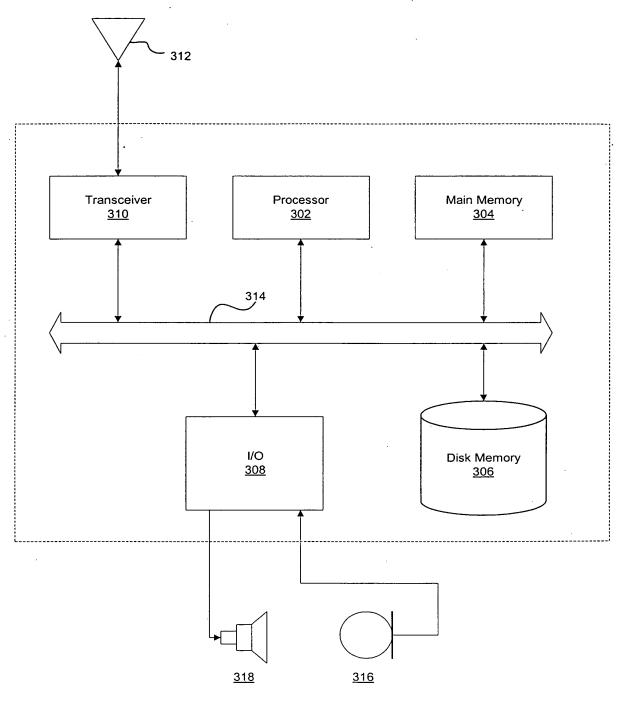
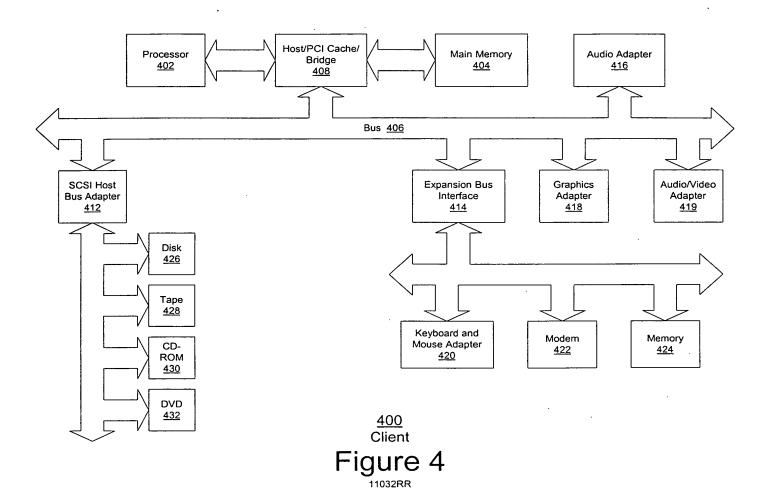


Figure 3



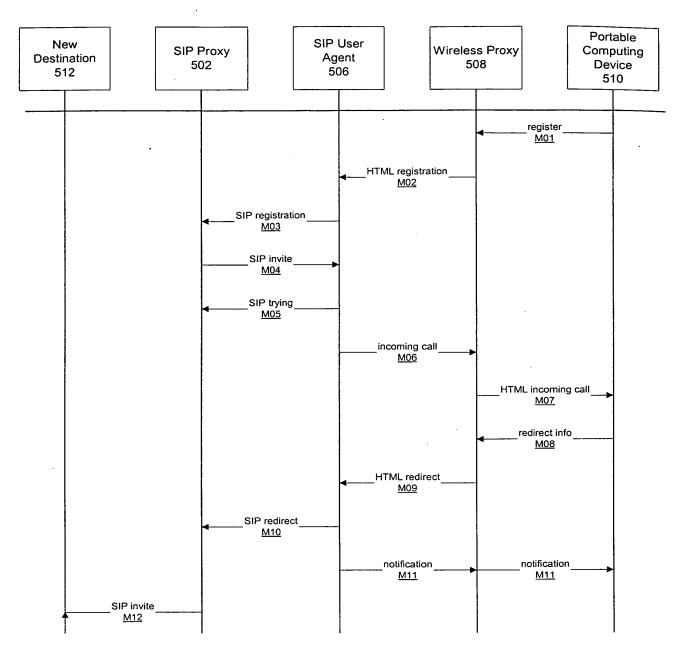


Figure 5



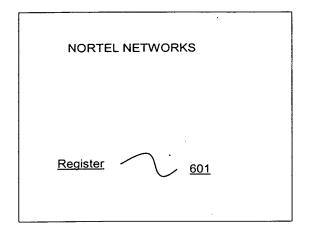


Figure 6A

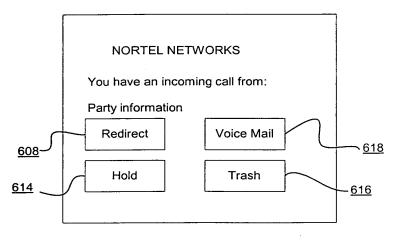


Figure 6C

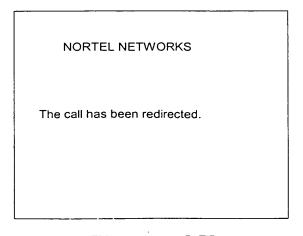


Figure 6E

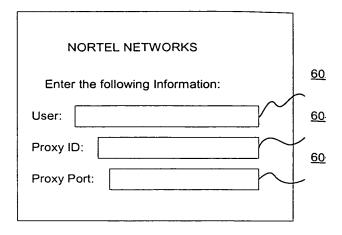


Figure 6B

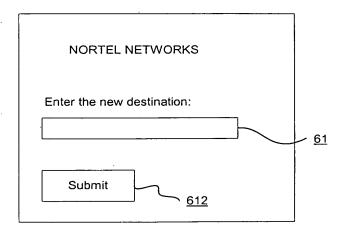


Figure 6D

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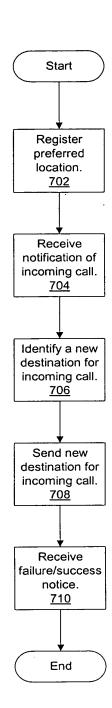


Figure 7

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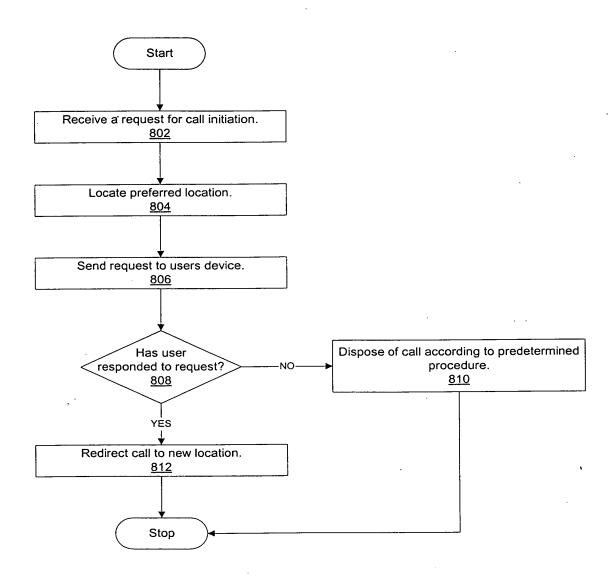


Figure 8

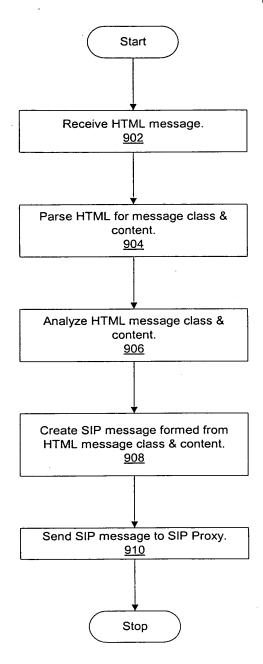


Figure 9

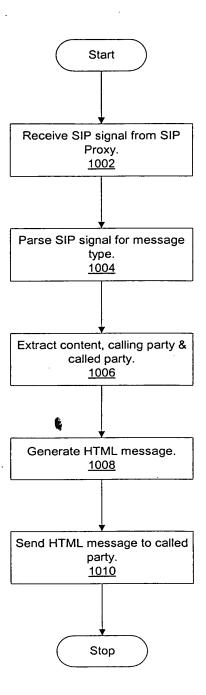


Figure 10

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PORTABLE CALL MANAGEMENT SYSTEM

1. Field of the Invention:

The present invention relates to telecommunications systems and, more specifically, to methods of transferring calls real time from one device to another.

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2. Background of the Invention:

Historically, when a caller telephoned a party, if the party to which the caller wished to speak with did not answer the phone or if the line was busy, the caller had to hang up and redial at a later time hoping that the second call would reach the intended party. Often times, the caller would need to attempt to contact the party multiple times in order to reach that party. If the caller had urgent information in which time was of the essence, this method was unsatisfactory and often resulted in the intended party missing important business or other opportunities.

Some of these problems were alleviated with the introduction of answering machines and voice mail systems. However, even these solutions were not completely satisfactory. For instance, utilizing answering machines and voice mail systems required the called party to actively retrieve their messages. Thus, either many important messages were still not received in a timely manner if the called party did not retrieve their messages frequently or the called party was required to check their voice mail or answering machine quite frequently when the party was out of the office or home in order to insure that messages were retrieved quickly. Thus, this results in the same problem as having the caller repeatedly call the intended party, except that in this case it is the called party that must waste its time insuring that no messages are missed.

A more recent solution to this problem is the introduction of subscriber's static reach list. A static reach list enabled a subscriber (i.e., called party) to enter a list of telephone numbers (or IP addresses, etc.) where the subscriber might be reached. The subscriber would enter these numbers in the order of preference in

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which the subscriber wished the telecommunications system to try to reach the subscriber. Therefore, if the subscriber were going to be away from the location of the subscriber's normal telephone number, if a call were received for the subscriber, the telecommunications system would redirect the subscriber's calls to the next number on the static reach list until the subscriber were reached or until the list of numbers was exhausted.

However, this method required the subscriber to know in advance the telephone number or other communications address at which the subscriber would be while traveling. Many times such information is unknowable either because the person does not know a number at the location to which they are travelling or because the person does not know sufficiently in advance where they will be in order to update the static reach list with the appropriate number. Therefore, it would be beneficial to have a method of to prevent a called party from missing calls without being required to know the number of a phone at which they will be in advance.

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SUMMARY OF THE INVENTION

The present invention solves the problem of preventing a called party from missing calls without having to know in advance the number at which they will be by providing a method and apparatus for redirecting a call from a data processing system to another address. In a preferred embodiment, a notice of an incoming call received from a server at a data processing system. This notice may include caller identification information as well. The user of the data processing system is prompted for an address to which the user wishes the call to be redirected. The user then identifies and sends to the server a new address to which the incoming call is to be redirected.

In another aspect of the present invention, an SIP server receives a notice of a call and forwards the notice to a SIP user agent. The SIP proxy server then identifies the address to which the called party wishes the call sent from a database of preferred locations. The called party has previously registered their preferred location to this database. The SIP user agent then sends a message to the called party that they have an incoming call. The called party then identifies a phone number or IP address to which the called party wishes the call to be redirected. Thus, the called party can have their calls originally directed to their handheld personal digital assistant or other data processing device. Thus, when a call is received, the called party can determine at that time how to dispose of the call.

Other aspects and features of the present invention will become apparent to those ordinarily skilled in the art upon review of the following description of specific embodiments of the invention in conjunction with the accompanying figures.

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BRIEF DESCRIPTION OF THE DRAWINGS

The novel features believed characteristic of the invention are set forth in the appended claims. The invention itself, however, as well as a preferred mode of use, further objectives and advantages thereof, will best be understood by reference to the following detailed description of an illustrative embodiment when read in conjunction with the accompanying drawings, wherein:

Figure 1 depicts a block diagram illustrating a communications network in which the present invention may be implemented;

Figure 2 depicts a block diagram of a data processing system which may be implemented as a server in accordance with the present invention;

Figure 3 depicts a block diagram of a portable device such as a personal digital assistant (PDA) in which the present invention may be implemented;

Figure 4 depicts a block diagram of a data processing system in which the present invention may be implemented;

Figure 5 depicts a message flow chart illustrating the processes of redirecting a call in real time from according to the present invention;

Figures 6A-6E illustrate examples of sample HTML or web pages displayed to a user of a portable computing device;

Figure 7 depicts a flowchart illustrating the methods executed on a portable computing device in accordance with a preferred embodiment of the present invention;

Figure 8 depicts a flowchart illustrating the processes of redirecting a call which are implemented on a server within the communications network in accordance with the present invention;

Figure 9 depicts a flowchart illustrating a method of converting HTML to SIP as performed by a SIP User Agent in accordance with the present invention; and

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Figure 10 depicts a flowchart illustrating a method of converting an SIP signal into an HTML message in accordance with the present invention.

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DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

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With reference now to the figures, and in particular with reference to Figure 1, a system diagram illustrating a plurality of interconnected heterogeneous networks in which a the present invention may be implemented is depicted. As illustrated, an Internet Protocol (IP) network 102, a Local Area Network (LAN) / Wide Area Network (WAN) 104, the Public Switched Telephone Network (PSTN) 109, a cellular wireless network 112, and a satellite communication network 116 make up the plurality of heterogeneous networks serviced by the personal mobility system of the present invention.

IP network 102 may be the publicly available IP network, a private IP network, or a combination of public and private IP networks. In any case, IP network 102 operates according to the Internet Protocol and routes packets among its many switches and through its many transmission paths. IP networks are generally known in the art to be expandable, fairly easy to use and heavily supported. Coupled to IP network 102 is a Domain Name Server (DNS) 108 to which queries may be sent, such queries each requesting an IP address based upon a Uniform Resource Locator (URL). IP network 102 supports 32 bit IP addresses as well as 128 bit IP addresses, which are currently in the planning stage.

LAN/WAN 104 couples to IP network 102 via a proxy server 106 (or another connection). LAN/WAN 104 may operate according to various communication protocols, such as the Internet Protocol, the Asynchronous Transfer Mode (ATM) protocol, or other known packet switched protocols. Proxy server 106 serves to route data between IP network 102 and LAN/WAN 104. A firewall that precludes unwanted communications from entering LAN/WAN 104 may also be located at the location of proxy server 106.

Computer 120 couples to LAN/WAN 104 and supports communications with LAN/WAN 104. Computer 120 may employ the LAN/WAN and proxy

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server 106 to communicate with other devices across IP network 102. Such communications are generally known in the art and will not be further described herein except to expand upon the teachings of the present invention. As is also shown, phone 122 couples to computer 120 and may be employed to initiate IP Telephony communications with another phone or voice terminal using IP Telephony. In such an IP telephony system, a gatekeeper 152 is deployed by a service provider to manage IP telephony for its users. An IP phone 154 connected to IP network 102 (or other phone, e.g., phone 124) may communicate with phone 122 using IP telephony.

PSTN 109 is a circuit switched network that is primarily employed for voice communications, such as those enabled by a standard phone 124. However, PSTN 109 also supports the transmission of data. Data transmissions may be supported to a tone based terminal, such as a FAX machine 125, to a tone based modem contained in computer 126, or to another device that couples to PSTN 109 via a digital connection, such as an Integrated Services Digital Network (ISDN) line, an Asynchronous Digital Subscriber Line (ADSL), or another digital connection to a terminal that supports such a connection. As illustrated, a voice terminal, such as phone 128, may couple to PSTN 109 via computer 126 rather than being supported directly by PSTN 109, as is the case with phone 124. Thus, computer 126 may support IP telephony with voice terminal 128, for example.

Cellular network 112 supports wireless communications with terminals operating in its service area (which may cover a city, county, state, country, etc.). As is known, cellular network 112 includes a plurality of towers, e.g., 130, that each service communications within a respective cell. Wireless terminals that may operate in conjunction with cellular network 112 include wireless handsets 132 and wirelessly enabled laptop computers 134, for example. Wireless handsets 132 could be, for example, personal digital assistants, wireless or cellular telephones, or two-way pagers. Cellular network 112 couples to IP network 102 via gateway 114.

Wireless handsets 132 and wirelessly enabled laptop computers 134 may communicate with cellular network 112 using a wireless application protocol

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(WAP). WAP is an open, global specification that allows mobile users with wireless devices, such as, for example, mobile phones, pagers, two-way radios, smartphones, communicators, personal digital assistants, and portable laptop computers, to easily access and interact with information and services almost instantly. WAP is a communications protocol and application environment and can be built on any operating system including, for example, Palm OS, EPOC, Windows CE, FLEXOS, OS/9, and JavaOS. WAP provides interoperability even between different device families.

WAP is the wireless equivalent of Hypertext Transfer Protocol (HTTP) and Hypertext Markup Language (HTML). The HTTP-like component defines the communication protocol between the handheld device and a server or gateway. This component addresses characteristics that are unique to wireless devices, such as data rate and round-trip response time. The HTML-like component, Wireless Markup Language (WML), defines new markup and scripting languages for displaying information to and interacting with the user. This component is highly focused on the limited display size and limited input devices available on small, handheld devices. For example, a typical cell phone may have only a 4x10-character display with 16-gray levels and only a numeric keypad plus up/down volume keys.

Cellular network 112 operates according to an operating standard, which may be the Advanced Mobile Phone System (AMPS) standard, the Code Division Multiple Access (CDMA) standard, the Time Division Multiple Access (TDMA) standard, or the Global System for Mobile Communications or Groupe Speciale Mobile (GSM), for example. Independent of the standard(s) supported by cellular network 112, cellular network 112 supports voice and data communications with terminal units, e.g., 132 and 134.

Satellite network 116 includes at least one satellite dish 136 that operates in conjunction with a satellite 138 to provide satellite communications with a plurality of terminals, e.g., laptop computer 142 and satellite handset 140. Satellite handset 140 could also be a two-way pager. Satellite network 116 may be serviced by one or more geosynchronous orbiting satellites, a plurality of

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medium earth orbit satellites, or a plurality of low earth orbit satellites. In any case, satellite network 116 services voice and data communications and couples to IP network 102 via gateway 118.

Wireless Proxy 160 is coupled to IP network 102 and is coupled to a plurality of towers, e.g., 162, which each provide wireless communications with wireless devices such as wireless device 164. Wireless Proxy 160 provides access to IP network 102 to wireless device 164, such as personal digital assistants (PDAs), that may require proprietary or other special protocols in order to communicate with IP network 102. For example, wireless proxy server 160 may be a 3Com server utilizing 3Com protocols for communicating with a Palm VII, a handheld portable computing device available from 3Com Corporation in Santa Clara, California.

In a preferred embodiment of the present invention, wireless proxy 160 is a 3Com proxy server supporting communications with Palm VII personal organizer and portable computing device 164 is a Palm VII personal organizer. In this embodiment, communications between wireless proxy server 160 and portable computing device 164 is facilitated by the use of Palm Query Applications (PQAs). A PQA is like a mini-Web site that resides on portable computing device 164. That is, a PQA is a special kind of record database. A typical PQA contains an HTML form or a list of hyperlinks that request additional information either locally — on personal computing device 164 — or remotely — on the Internet.

Much of the content on the Internet is designed to take advantage of the power of Pentium/RISC-class computers with large, high resolution color monitors and fast and cheap Internet access. In these circumstances, there is little reason to economize on the abundant connect time and large file size that make Web browsing such a rich, multimedia experience from a desktop or notebook computer.

However, this model is not the best model for a small, low-power computer like the Palm VII organizer with its tiny screen, battery powered operation, and relatively slow and expensive wireless connection to the Internet.

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Rather than duplicate the Web browsing model on a handheld computer, PQAs are developed that access targeted bits of Internet information — like clippings from a newspaper. Typically, a handheld computer user does not focus on following hyperlinks to the Internet (although this is available), but instead, they compose a simple query in the PQA (for example a request for a stock quote) and then send that query over the air.

Also included in network 100 is a Session Initiation Protocol (SIP) proxy 170. SIP proxy 170 is connected to IP network 102 and provides switching and routing for communication over IP network 102. SIP proxy 170 also maintains a static list of preferred locations to which a user wishes telephone calls or other communication types sent. When a request to initiate a communications session is received, SIP proxy 170 retrieves the static list of the called party and routes the call to the top address in the static list. If the communications session is not established with the top address in the static list, then SIP proxy 170 may attempt to access the next address in the list and so on until the called party is reached or until the addresses in the static list are exhausted.

SIP is a textual based signaling protocol for creating, modifying and terminating sessions. These sessions can be multimedia conferences, Internet telephone calls and similar applications consisting of one or more media types such as, for example, audio, video, or whiteboard. SIP invitations are used to create sessions and carry session descriptions, which allow participants to agree on a set of compatible media types. SIP requests can be sent either over TCP or UDP.

SIP User Agent 172 is also connected with IP Network 102. SIP User Agent 172 translates between SIP communications and Hypertext Transfer Protocol (HTTP) and other extensible markup language (XML) based protocols such as Voice XML (VOXML) and Wireless Application Protocol (WAP).

Figure 1 is intended as an example and not as an architectural limitation for the processes of the present invention.

In a preferred embodiment, a user registers an address to which they wish their voice calls or other communications to be sent. The address can be an IP

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address, a PSTN address or other type of address for locating an electronic device such as a data processing system or telephone. As an example, consider a user of portable device 164 wishing to have all of their calls routed to the portable device. The user of portable device 164 sends an HTML registration request to Wireless Proxy 160, which then forwards the HTML registration request to SIP User Agent 172. SIP User Agent SIP 172 translates the HTML registration request from HTML into an SIP registration statement and sends the SIP registration statement to SIP Proxy 170. SIP Proxy 170 then updates the user's static list and inserts the newly received address into the top of the static list as the first address to attempt to establish a connection with if a request to initiate communications with that user is received. If the user does not have a static list, SIP Proxy 170 can create one and then place the received address in the newly created static list. The registration request does not have to initiate from a portable wireless device such as portable device 164 but may initiate with a LAN based data processing system such as client 120 or with some other type of wireless device.

When SIP Proxy 170 receives a request to initiate communications, such as a voice telephone call, with a user, SIP Proxy 170 retrieves the static list for the called party and determines the first address to contact. SIP Proxy 170 then sends an SIP Invite message to SIP User Agent 172. SIP User Agent 172 translates the SIP Invite message into an HTML message and sends the HTML message to Wireless Proxy 160 which then forwards the HTML message to portable device 164.

Once the HTML invite message is received at portable device 164, the user may then determine how to dispose of the call. If portable device 164 is a telephone (or supports voice communications), the user may choose to take the call if it is someone to which the user wishes to speak. The user may also redirect the call elsewhere to a nearby PSTN address, to a voice mailbox, or to an IP address. Portable device 164 may even suggest options as to disposal of the incoming communication. For example, if the incoming communication is video, rather than a voice call, portable device 164 may suggest routing the

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communication to client 120 on LAN/WAN 104, which may be the nearest device capable of receiving such communication.

If the user decides to redirect the call to some other device, then redirection information in HTML format indicating the address of the new device is sent from portable device 164 to wireless proxy 160. Wireless proxy 160 then forwards the HTML redirect information to SIP User Agent 172, which converts the HTML redirect information into an SIP redirect and send the SIP redirect to SIP proxy 170. SIP User Agent 172 also sends an HTML notification to portable device 164 via wireless proxy 160 indicating that the communication is being redirected. SIP proxy 170 then redirects the communication to the new address and takes down the connection with portable device 164. If SIP proxy 170 is unable to make a connection with the new address (e.g., incorrect address, device off-line, etc.), then the communication must be terminated or the next address in the user's static list contacted. This is because the connection to portable device 164 has already been taken down thus preventing an attempt to request a new address to which to redirect the communication.

As an example of uses of such redirection methods and systems according to the present invention, consider a family consisting of a husband, wife, and children. Perhaps the husband has registered his wireless telephone as the device to which incoming calls to his home telephone should be delivered. If notification of an incoming call is received by the husband on his wireless telephone, he can look at the display to see who the caller is. If the husband determines that the call is for his wife, he can redirect the call to her work phone or to her wireless phone. If the call is for one of the children, the call can be redirected to the home phone. However, if the call is for the husband, he can choose to take the call on his wireless telephone. Alternatively, if the call is for the husband, but he does not wish to speak with the caller, the call can be forwarded to his voice mailbox.

As another example of the use of redirection methods and systems according to the present invention, consider a person travelling on business and away from the office. The business person can register a personal digital assistant (PDA) as the device to which incoming calls are directed. Thus, wherever the

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business person is, no calls will be misses because of being away from the office. If notification of a call is received, the business person can have the call redirected to a phone near where the business person is presently located. Such phone could be the room phone of the hotel where the person is currently staying or it could be the office phone of the person with which the business person is meeting.

Referring now to Figure 2, a block diagram of a data processing system which may be implemented as a server, such as server 106, 108, 160, or 170 in Figure 1, is depicted in accordance with the present invention. Data processing system 200 may be a symmetric multiprocessor (SMP) system including a plurality of processors 202 and 204 connected to system bus 206. Alternatively, a single processor system may be employed. Also connected to system bus 206 is memory controller/cache 208, which provides an interface to local memory 209. I/O bus bridge 210 is connected to system bus 206 and provides an interface to I/O bus 212. Memory controller/cache 208 and I/O bus bridge 210 may be integrated as depicted.

Peripheral component interconnect (PCI) bus bridge 214 connected to I/O bus 212 provides an interface to PCI local bus 216. A number of modems 218-220 may be connected to PCI bus 216. Typical PCI bus implementations will support four PCI expansion slots or add-in connectors. Communications links to network computers 120, 126, 134, and 142 in Figure 1 may be provided through modem 218 and network adapter 220 connected to PCI local bus 216 through add-in boards.

Additional PCI bus bridges 222 and 224 provide interfaces for additional PCI buses 226 and 228, from which additional modems or network adapters may be supported. In this manner, server 200 allows connections to multiple network computers. A memory mapped graphics adapter 230 and hard disk 232 may also be connected to I/O bus 212 as depicted, either directly or indirectly.

Those of ordinary skill in the art will appreciate that the hardware depicted in **Figure 2** may vary. For example, other peripheral devices, such as optical disk drives and the like, also may be used in addition to or in place of the hardware

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depicted. The depicted example is not meant to imply architectural limitations with respect to the present invention.

The data processing system depicted in **Figure 2** may be, for example, an IBM RS/6000, a product of International Business Machines Corporation in Armonk, New York, running the Advanced Interactive Executive (AIX) operating system.

Turning now to Figure 3, a block diagram of a personal digital assistant (PDA), such as portable device 164 in Figure 1, is illustrated in which the present invention may be implemented. The PDA is typically a palmtop computer, such as, for example, a Palm VII, a product of 3Com Corporation in Santa Clara, California, connected to a wireless communications network and which may provide voice, fax, e-mail, and/or other types of communication. The PDA 300 may have one or more processors 302, such as a microprocessor, a main memory 304, a disk memory 306, and an I/O 308 such as a mouse, keyboard, or pen-type input, and a screen or monitor. The PDA 300 may also have a wireless transceiver 310 connected to an antenna 312 configured to transmit and receive wireless communications. The processor 302, memories 304, 306, I/O 308, and transceiver are connected to a bus 304. The bus transfers data, i.e., instructions and information, between each of the devices connected to it. The I/O 308 may permit faxes, e-mail, or optical images to be displayed on a monitor or printed out by a printer. The I/O 308 may be connected to a microphone 316 and a speaker 318 so that voice or sound information may be sent and received.

With reference now to Figure 4, a block diagram of a data processing system in which the present invention may be implemented is illustrated. Data processing system 400 is an example of a client computer such as client 120, 126, 134, or 142 in Figure 1. Data processing system 400 employs a peripheral component interconnect (PCI) local bus architecture. Although the depicted example employs a PCI bus, other bus architectures, such as Micro Channel and ISA, may be used. Processor 402 and main memory 404 are connected to PCI local bus 406 through PCI bridge 408. PCI bridge 408 may also include an integrated memory controller and cache memory for processor 402. Additional

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connections to PCI local bus 406 may be made through direct component interconnection or through add-in boards. In the depicted example, SCSI host bus adapter 412 and expansion bus interface 414 are connected to PCI local bus 406 by direct component connection. In contrast, audio adapter 416, graphics adapter 418, and audio/video adapter (A/V) 419 are connected to PCI local bus 406 by add-in boards inserted into expansion slots. Expansion bus interface 414 provides a connection for a keyboard and mouse adapter 420, modem 422, and additional memory 424. In the depicted example, SCSI host bus adapter 412 provides a connection for hard disk drive 426, tape drive 428, CD-ROM drive 430, and digital video disc read only memory drive (DVD-ROM) 432. Typical PCI local bus implementations will support three or four PCI expansion slots or add-in connectors.

An operating system runs on processor 402 and is used to coordinate and provide control of various components within data processing system 400 in Figure 4. The operating system may be a commercially available operating system, such as OS/2, which is available from International Business Machines Corporation. "OS/2" is a trademark of International Business Machines Corporation. An object oriented programming system, such as Java, may run in conjunction with the operating system, providing calls to the operating system from Java programs or applications executing on data processing system 400. Instructions for the operating system, the object-oriented operating system, and applications or programs are located on a storage device, such as hard disk drive 426, and may be loaded into main memory 404 for execution by processor 402.

Those of ordinary skill in the art will appreciate that the hardware in Figure 4 may vary depending on the implementation. For example, other peripheral devices, such as optical disk drives and the like, may be used in addition to or in place of the hardware depicted in Figure 4. The depicted example is not meant to imply architectural limitations with respect to the present invention. For example, the processes of the present invention may be applied to multiprocessor data processing systems.

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Turning now to **Figure 5**, a message flow chart is depicted illustrating the processes of redirecting a call in real time from a wireless device according to the present invention. In this example, a redirect from a wireless device utilizing a wireless proxy is illustrated. A similar flow would result if the redirect were being sent from a LAN/WAN connected device except for the omission of wireless proxy 508.

A user of a portable computing device such as a PDA or laptop computer initiates a registration by entering a proxy ID, a proxy port, and an address, such as, for example, a PSTN number or an IP address, and sending this information to wireless proxy 508 (step M01). Figures 6A illustrates an example of a sample HTML screen displayed to a user to initiate registration. The user may pull up the registration page by selecting the word "register" 601 on the page. Figure 6B illustrates an example of a sample HTML screen allowing a user to register by providing prompts to enter an user name 602, a proxy identification 604, and a proxy port 606.

Wireless Proxy 508 receives the HTML registration web page and forwards it to SIP user agent 506 (step M02). User agent 506 receives the HTML page and sends a SIP registration to SIP proxy 502 (step M03). SIP proxy 502 updates its destination list for the user with the address for portable computing device 510. Next, an SIP invite signal is sent to user agent 506 (step M04).

User agent 506 then sends an SIP 100-trying signal back to SIP proxy 502 (step M05). When a call for the user at portable computing device 510 is received by user agent 506, user agent 506 sends an HTML page to 3Com proxy 508 to indicate an incoming call for the user at portable computing device 510 (step M06). 3Com proxy 508 forwards the HTML page to portable computing device 510 (step M07). The HTML page is displayed the user of portable computing device 510 to indicate that the user has an incoming call. An example of such an HTML page is illustrated in Figure 6C. A hot button 608 is supplied which the user may select to redirect the incoming call. Other hot buttons 614, 616, and 618 allow the user to place the call on hold, terminate the call without answering, or send the call to voice mail respectively. If redirection is chosen, the user of the

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portable computing device 510 then redirects the call to another destination by entering and sending a PSTN, IP, or other address as the new destination (step M08). Figure 6D illustrates an example of a sample HTML page in which the user may enter the new destination for the incoming phone call in destination box 610 and then send the new destination by selecting the "submit" hot button 612.

Wireless proxy 508 receives the HTML page containing the new destination and this page is forwarded to user agent 506 (step M09). User agent 506 sends a SIP 300 signal to SIP proxy 502 containing the new destination (step M10). User agent 506 also sends an HTML page to portable computing device 510 via 3Com proxy 508 indicating that the call was redirected (step M11). A message is displayed to the user of portable computing device 510 indicating that the call was redirected. An example of such a HTML page is illustrated in Figure 6E. SIP proxy 502 receives the 300 signal and sends out an invite to the new destination (step M12).

If portable computing device 510 does not respond to the message indicating that the user has an incoming call (step M07), then a SIP 480 Temporarily not available signal is sent from user agent 506 back to SIP proxy server 502. SIP proxy 502 can then decide how to process the call. For example, for calls to which the portable computing device does not respond, SIP proxy 502 could forward the call to a predefined destination or take the call down.

Turning now to Figure 7, a flowchart illustrating the methods executed on a portable computing device in accordance with a preferred embodiment of the present invention is depicted. To start, a user of a data processing device registers the address of their data processing device that they wish their calls to be delivered to (step 702). Typically, when the data processing device is activated, it performs an SIP registration with a SIP registration server, effectively causing all future calls to route to this device as the first selection. On deactivation of the device, the shutdown processing unregisters with the SIP registration server thereby restoring the defaults on how the called party is to be reached (i.e., the subscriber's static reach list). Next, when a call is made to the user, a notification of the incoming call is received at their data processing device (step 704).

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Included in the notification may be caller identification information such as PSTN or IP address from where the call originated. The user then identifies a new destination for the incoming call to be sent (step 706). For example, if the user has traveled to a hotel, the user may enter the phone number of the room at the hotel. As another example, if the user is near a pay phone, the user may enter the phone number of the pay phone. Once the user has identified a new destination for the incoming call to be redirected to, this new destination is sent back to a SIP proxy via a SIP User Agent (step 708). Once the SIP User Agent receives the redirect request, the user will receive a notice indicating the call is being redirected (step 710).

Turning now to Figure 8, a flowchart illustrating the processes of redirecting a call which are implemented on a server within the communications network is depicted in accordance with the present invention. To start, a server within the communications network receives a request for call initiation from a PSTN (step 802). The server accesses a database to which the called party has registered the current device to which they wish their calls directed (step 804). The current device is registered at the top of a static reach list of numbers to try in order to reach the called party. Once the current device is identified, a notice is sent to the called parties current location indicating that the party has an incoming call and requesting information about where to direct the call (step 806). Next, a determination is made as to whether the user has responded to the request (step 808). If the user does not respond after a given period of time, then the call is disposed of according to a predetermined procedure (step 810). For example, if the user does not respond to the request, then the server may redirect the call to the next address in the called party's static reach list of preferred locations or if there are no more preferred locations stored in a database, the server may end the call. If the user does respond to the request, then the call is redirected to the new location and a confirmation is sent to the user indicating such (step 812). The call may be redirected to a cell phone, to a nearby wire-line device, to the called party's voice mailbox, or the party initiating the call may be placed on temporary hold. If the party initiating the call is placed on hold, a standard greeting will be

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sent to the calling party to make them aware that the called party is attempting to find an appropriate method to receive the call or is on another call and to stay on the call because the called party will answer momentarily.

Turning now to Figure 9, a flowchart illustrating a method of converting HTML to SIP as performed by a SIP User Agent is depicted in accordance with the present invention. To start, a SIP User Agent receives an HTML message (step 902). The SIP User Agent then parses the HTML message for class and content (step 904). The SIP User Agent then analyzes the message class and content (step 906) to create an SIP signal from the HTML message (step 908). The newly formed SIP signal is then sent to an SIP Proxy (step 910) and the process stops.

Turning now to Figure 10, a flowchart illustrating a method of converting an SIP signal into an HTML message is depicted in accordance with the present invention. First, the SIP User Agent receives an SIP signal from the SIP Proxy (step 1002). The SIP signal is then parsed for message type (step 1004) and the content, calling party, and called party are extracted from the SIP signal (step 1006). Using the extracted information, the SIP User Agent generates an appropriate HTML page (step 1008) and sends the HTML message to the called party (step 1010) ending the process.

Although the present invention has been described primarily with reference to redirecting telephony communications. Other forms of media streams may be redirected as well. For example, a client such as client 120 or portable device 164, that has previously performed an SIP registration, receives a notification of incoming data streams. The notification will include information about what types of data streams are included. This will be encoded into the notification at either SIP Proxy 170 or at User Agent 172. The notice displayed to the user will inform the user of whether there are multiple types of data streams and what types of data streams are in the incoming communication. Once the notification is displayed to the user of the client, the client may then decide how to dispose of the incoming data streams. If the user selects one device, such as telephone 124 to send the data stream to, then the name or address of telephone

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124 will be sent back to SIP Proxy 170, which will then redirect the call to telephone 124. The user may select more than one device to send the data streams to as well. If the data stream consists of multiple data types, the user may instruct SIP Proxy 170 to send each data stream to a different type of device.

Furthermore, the user may instruct SIP Proxy 170 to send all of the data streams to several locations (forking) such that multiple parties may be connected (such as for a conference call) or to several locations, but have only the first to "pick up" or "answer" be connected. This last alternative might be useful if the user wished to redirect the data stream to another person, but was unsure of that person's location but did know of several possible locations of that person.

To help illustrate the present invention, consider the following example of a user's device receiving multiple types of data streams at a single device. For example, a user might have registered their personal digital assistant as the device to which to have incoming data streams routed. The SIP Proxy 170 receives an incoming data stream intended for this user and generates and routes a message to the user indicating the types of message streams and from what party. The types of message streams include audio, video (in MPEG format), text and a JPEG picture. The user of the personal digital assistant might decide to route the audio to speakers or to a telephone such as telephone 124, route the video to a desktop computer such as client 120 or to a television attached to a set top box, the text routed to a printer (perhaps connected to client 120), and the JPEG picture routed to a second computer such as client 126 or to a device dedicated to generating and displaying still pictures. Thus, each of the data streams were directed to a device which was best able to utilize and present the information to the user.

To illustrate "forking", consider a person receiving a data stream (perhaps a phone call, but not necessarily). The person after determining what the data stream is and/or who it is from, decides that other people within an organization should participate as well. The person would then enter several names or addresses for the SIP Proxy 170 to use to redirect the data stream. This list of several names could include the user originally receiving the notification. In that way several people could participate, such as on a conference call.

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In yet another example of forking, the user could receive notification of an incoming call and determine that that call was for another person. However, the user does not know the exact location of the other person, but does know of several locations where that person might be. The user in this case would enter several location names and instruct the proxy to redirect the call to each of them and connect the location which "picked up" first. In that manner the call is forwarded to the correct party even though the user receiving the notification knew no more than several possibilities of locations.

Although the present invention has been described primarily with reference to presenting call notification information to the called party through means of a display, other methods are also possible. Such methods include, but are not limited to, notifying the called party of an incoming call through the use of sounds or through a voice synthesizer if the portable device supported such options. Furthermore, as another option, the portable computing device could vibrate to indicate that the user had an incoming call. The use of sounds and vibrations could also be used to alert the called party of an incoming call such that they could direct their attention to a visual display which would indicate the nature and origin of the call.

Although described primarily with reference to SIP, an SIP proxy and an SIP user agent, other communications initiation and routing protocols, such as H.323 Protocol, can be utilized as well. Furthermore, other text based or XML based protocols may be utilized rather then HTTP and HTML. Examples of other protocols include, but are not limited to, Voice XML (VOXML), Speech Markup Language (SML), WAP, and XHTML. In such cases the SIP user agent would be replaced with a user agent which translated between the appropriate protocols.

It should be noted that although the present invention has been described with reference to utilizing a SIP proxy, a proxy of any kind is not necessary if the complete IP address of the device to which the call is to be directed is known and used. Furthermore, the SIP user agent is not necessary if all of the terminal devices (e.g., portable data processing systems, personal digital assistants, phones, desk top computers, cell phones) involved in a calling process utilize SIP such that

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communications with the SIP proxy does not need to be facilitated with a translating user agent. In this case, the SIP proxy becomes the agent. Furthermore, the SIP proxy does not have to be a proxy. Any device or software which can perform the functionality of the SIP proxy will suffice, wherein the primary functions performed by the SIP proxy are address lookup (determining the IP or other type address based on information received, i.e., converting john@nortel.com into an IP address) and redirecting calls.

It should also be noted that although the present invention has been described primarily with reference to voice calls, it applies to other types of communication as well, including, but not limited to for example, video conferencing or text messages. For example, a portable computing device could receive a notification of an incoming video call or video message and a user could redirect that incoming video message to a laptop or desktop computer, a television, or other video display terminal such that the video could be viewed by the called party. The device receiving the request could even suggest alternative destinations to redirect the call to based on the type of call (e.g. video, voice, text) the request corresponds to.

It is important to note that while the present invention has been described in the context of a fully functioning data processing system, those of ordinary skill in the art will appreciate that the processes of the present invention are capable of being distributed in the form of a computer readable medium of instructions and a variety of forms and that the present invention applies equally regardless of the particular type of signal bearing media actually used to carry out the distribution. Examples of computer readable media include recordable-type media such a floppy disc, a hard disk drive, a RAM, and CD-ROMs and transmission-type media such as digital and analog communications links.

The description of the present invention has been presented for purposes of illustration and description, but is not intended to be exhaustive or limited to the invention in the form disclosed. Many modifications and variations will be apparent to those of ordinary skill in the art. For example, the present invention is not limited to SIP and Palm VII's. Other types of call initiation protocols other

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than SIP may be utilized. Furthermore, other types of portable devices other then Palm VII's may be utilized including, but not limited to, portable computers, laptop computers, other types of personal digital assistants (PDAs), and other handheld data processing systems. The embodiment was chosen and described in order to best explain the principles of the invention, the practical application, and to enable others of ordinary skill in the art to understand the invention for various embodiments with various modifications as are suited to the particular use contemplated.

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2 CLAIMS:

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- What is claimed is:
- 1 1. A method of redirecting a call from a data processing system to another
- 2 address, comprising the steps of:
- receiving at a data processing system a registration notice of an incoming call
- 4 from a server; and
- responsive to determination of a new address; transmitting a new address to
- 6 which the incoming call is to be redirected.
- 1 2. The method as recited in claim 1, wherein said data processing system is a
- 2 personal digital assistant.
- 1 3. The method as recited in claim 1, wherein said data processing system is a
- 2 laptop computer.
- 1 4. The method as recited in claim 1, wherein said data processing system is a
- 2 portable computing device.
- 1 / 5. The method as recited in claim 1, wherein said data processing system is a
- 2 wireless device.
- 1 6. The method as recited in claim 1, wherein the registration notice is a session
- 2 initiation protocol registration-notice.
- 7. The method as recited in claim 1, wherein the incoming call comprises video
- and the new address corresponds to a video display terminal.

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1 8. The method as recited in claim 1, wherein said data processing system is a

2 wire-line connected device.

- 1 9. A computer program product in computer readable media for use in a data
- 2 processing system for redirecting a call from a data processing system to another
- address, the computer program product comprising:
- first instructions for receiving at a data processing system a registration notice
- of an incoming call from a server; and
- second instructions, responsive to determination of a new address; for
- 7 transmitting a new address to which the incoming call is to be redirected.
- 1 10. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a personal digital assistant.
- 1 11. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a laptop computer.
- 1 12. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a portable computing device.
- 1 13. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a wireless device.
- 1 14. The computer program product as recited in claim 9, wherein the registration
- 2 notice is a session initiation protocol registration notice.
- 1 15. The computer program product as recited in claim 9, wherein the incoming
- 2 call comprises video and the new address corresponds to a video display terminal.
- 1 16. The computer program product as recited in claim 9, wherein said data
- 2 processing system is a wire-line connected device.

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- 1 17 A system of redirecting a call from a data processing system to another
- 2 address, comprising:
- means for receiving at a data processing system a registration notice of an
- 4 incoming call from a server; and
- means, responsive to determination of a new address; for transmitting a new
- address to which the incoming call is to be redirected.
- 1 18. The system as recited in claim 17, wherein said data processing system is a
- 2 personal digital assistant.
- 1 19. The system as recited in claim 17, wherein said data processing system is a
- 2 laptop computer.
- 1 20. The system as recited in claim 17, wherein said data processing system is a
- 2 portable computing device.
- 1 21. The system as recited in claim 17, wherein said data processing system is a
- 2 wireless device.
- 1 22. The system as recited in claim 17, wherein the registration notice is a session
- 2 initiation protocol registration notice.
- 1 23. The system as recited in claim 17, wherein the incoming call comprises video
- and the new address corresponds to a video display terminal.
- 1 24. The system as recited in claim 17, wherein said data processing system is a
- 2 wire-line connected device.

responsive to receipt of a new address from the called party, redirecting the

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- A method for redirecting calls to a data processing system to a second location; comprising the steps of:

 sending a registration notification to a called party's preferred location; and
- 5 incoming call to the new address.
- 1 26. The method as recited in claim 25, further comprising:
- prior to said sending step, receiving a request to initiate a call with a called
- 3 party; and

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- determining a preferred location of the called party.
- 1 27. The method as recited in claim 25, wherein the registration notification is a
- 2 session initiation protocol registration.
- 1 28. The method as recited in claim 25, wherein the preferred location is a personal
- 2 digital assistant.
- 1 29. The method as recited in claim 28, wherein the personal digital assistant is a
- 2 Palm VII utilizing a Palm Query Application to provide a user interface.
- 1 30. The method as recited in claim 25, wherein the new address corresponds to a
- 2 voice mailbox.
- 1 31. The method as recited in claim 25, wherein the new address corresponds to
- 2 placing the incoming call on hold.
- 1 32. The method as recited in claim 25, wherein communication with the preferred
- 2 device is provided utilizing a wireless application protocol.

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- 1 33. The method as recited in claim 25, wherein the new address corresponds to a
- 2 wire-line\device.

- 1 34. A computer program product in computer readable media for use in a data
- 2 processing system for redirecting calls to a data processing system to a second
- 3 location; the computer program product comprising:
- 4 first instructions for sending a registration notification to a called party's
- 5 preferred location; and
- second instructions, responsive to receipt of a new address from the called
- 7 party, for redirecting the incoming call to the new address.
- 1 35. The computer program product as recited in claim 34, further comprising:
- 2 phior to said sending step, third instructions for receiving a request to initiate a
- 3 call with a called party; and
- fourth instructions for determining a preferred location of the called party.
- 1 36. The computer program product as recited in claim 34, wherein the registration
- 2 notification is a session initiation protocol registration.
- 1 37. The computer program product as recited in claim 34, wherein the preferred
- 2 location is a personal digital assistant.
- 1 38. The computer program product as recited in claim 37, wherein the personal
- 2 digital assistant is a Palm VII utilizing a Palm Query Application to provide a user
- 3 interface.
- 1 39. The computer program product as recited in claim 34, wherein the new
- 2 address corresponds to a voice mailbox.
- 1 40. The computer program product as recited in claim 34, wherein the new
- 2 address corresponds to placing the incoming call on hold.

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- 1 41. The computer program product as recited in claim 34, wherein
- 2 communication with the preferred device is provided utilizing a wireless application
- 3 protocol.
- 1 42. The computer program product as recited in claim 34, wherein the new
- 2 address corresponds to a wire-line device.

- 1 43. A system for redirecting calls to a data processing system to a second
- 2 location; comprising:
- means for sending a registration notification to a called party's preferred
- 4 location; and
- means, responsive to receipt of a new address from the called party, for
- 6 redirecting the incoming call to the new address.
- 1 44. The system as recited in claim 43, further comprising:
- prior to said sending step, means for receiving a request to initiate a call with a
- 3 called party; and
- 4 means for determining a preferred location of the called party.
- 1 45. The system as recited in claim 43/, Wherein the registration notification is a
- 2 session initiation protocol registration.
- 1 46. The system as recited in claim 43, wherein the preferred location is a personal
- 2 digital assistant.
- 1 47. The system as recited in claim 46, wherein the personal digital assistant is a
- 2 Palm VII utilizing a Palm Query Application to provide a user interface.
- 1 48. The system as recited in claim 43, wherein the new address corresponds to a
- 2 voice mailbox.
- 1 49. The system as recited in claim 43, wherein the new address corresponds to
- 2 placing the incoming call on hold.
- 1 50/ The system as recited in claim 43, wherein communication with the preferred
- 2 device is provided utilizing a wireless application protocol.

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51. The system as recited in claim 43, wherein the new address corresponds to a

2 wire-line device.

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1	52.	A method in a communications system for processing a call, the method
2	compi	rising:
3		receiving at a mobile data processing system a call for a user;
4		sending a first request to setup the call to the mobile data processing system
5	associ	ated with a user, wherein the mobile data processing system has a wireless
6	comm	unications capability;
7		receiving a response to the request, wherein the response includes an address
8	for the	e call; and
9		sending a second request to setup the call to the user using the address.
1	53.	The method as recited in claim 52, wherein the data processing system is a
2	person	nal digital assistant.
1	54.	The method as recited in claim 52, wherein the personal digital assistant is a
2	Palm	VII.
1	55.	The method as recited in claim 52, wherein the request and the response are
2	sessio	n initiation protocol messages.
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- 1 56. A method for processing a call at a data processing system the method
- 2 comprising:
- 3 receiving a request to establish a call;
- 4 presenting caller information at the data processing system; and
- responsive to an identification of an address for the call, returning a response
- 6 including the address.
- 1 57. The method as recited in claim 56, wherein the step of presenting caller
- 2 information comprises displaying the caller information.
- 1 58. The method as recited in claim 56, wherein the step of presenting caller
- 2 information comprises presenting the caller information audibly.
- 1 59. The method as recited in claim 56, wherein the request and the response are
- 2 session initiation protocol messages.
- 1 60. The method as recited in claim 56, wherein the data processing system is a
- 2 wireless device.
- 1 61. The method as recited in claim 56, wherein the step of presenting caller
- 2 information comprises a vibrating alert.
- 1 62. The method as recited in claim 56, wherein the data processing system is a
- 2 two-way pager.

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63. A communications network for redirecting communications; comprising:
a proxy server for performing address lookup and directing calls;
a user agent functionally connected to the aid proxy server to provide protocol translation between a protocol recognized by the proxy server and a protocol recognized by a terminal unit and to provide a communication link between the proxy server and the terminal unit; wherein

the proxy server, responsive to an indication from the terminal unit to redirect a call, redirects calls to a new location.

- 64. The network as recited in claim 63, wherein the proxy server is a session initiation protocol proxy server and the user agent is a session initiation protocol user agent for translating between session initiation protocol and a second protocol.
 - 65. The network as recited in claim 64, wherein the second protocol is HTML.

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66. A method for initiating calls, comprising the steps of:
receiving registration notice of an incoming call, wherein said registration
notice is formatted in a first protocol;

translating said registration notice from the first protocol into a second protocol; and

transmitting a modified registration notice to a terminating device; wherein the modified registration notice is formatted in the second protocol.

- 67. The method as recited in claim 66, further comprising:
 receiving a location data with which to redirect the incoming call from the
 terminating device; wherein the location data is formatted in the second protocol; and
 translating the location data to a second location data; and
 transmitting the second location data, wherein the second location data is
 formatted in the second protocol.
- 68. The method as recited in claim 66, wherein the first protocol is a session initiation protocol.
 - 69. The method as recited in claim 66, wherein the second protocol is a hypertext markup language.





Express Mail No.: EL356872801US

Docket No. 11032RR

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ABSTRACT OF THE DISCLOSURE

PORTABLE CALL MANAGEMENT SYSTEM

A method of redirecting a call from a data processing system to another address. In a preferred embodiment, a notice of an incoming call received from a server at a data processing system. This notice may include caller identification information as well. The user of the data processing system is prompted for an address to which the user wishes the call to be redirected. The user then identifies and sends to the server a new address to which the incoming call is to be redirected. The server then redirects the call to the new address.

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the specification of which: (check one)

<u>X</u> was filed on October 15, 1999, under Attorney's Docket Number 11032RR as Application No. 09/419,175

PORTABLE CALL MANAGEMENT SYSTEM

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR 1.56.

I hereby claim the benefit under Title 35 United States Code section 120 of the provisional application filed under 111b of this title as listed below:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine of imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Docket Number: 11032RR

Page 2 of 3

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

John D. Crane, Reg. No. 25,231;

Christopher O. Edwards, Reg. No. 36,127; Robert C. Klinger, Reg. No. 34,365; James A. Harrison, Reg. No. 40,401; W. Glen Johnson, Reg. No. 39,525; Duke W. Yee, Reg. No. 34,285; Rudolph J. Buchel, Reg. No. 43,448, Joseph R. Burwell, Reg. No. 44,468, Stephen R. Loe, Reg. No. 43,757.

Send correspondence to John D. Crane, Nortel Networks Corporation, Patent Department; P.O. Box 833858, Mail Stop 468/05/B10; Richardson, Texas 75083-3858 and direct all telephone calls to John D. Crane, telephone: (972) 695-8442.

(1) FULL NAME OF INVENTOR: Gregory T. Osterhout	
INVENTOR'S SIGNATURE:	DATE:
RESIDENCE: 313 Falcon Court, Coppell, TX 75019	COUNTY: Dallas
CITIZENSHIP: United States	
POST OFFICE ADDRESS: Same As Above	
(2) FULL NAME OF INVENTOR: Kim B. Holmes	
INVENTOR'S SIGNATURE:	DATE: /1//7/99.
RESIDENCE: 5409 Scenic Drive, Rowlett, TX 75088	COUNTY: Rockwall
CITIZENSHIP: Canada	

POST OFFICE ADDRESS: Same As Above

Page 3 of 3

(3) FULL NAME OF INVENTOR: Mark Sosebee

INVENTOR'S SIGNATURE: Mark forlice

DATE: 11/17/99

RESIDENCE: 920 Goodwin Drive, Plano, TX 75023

COUNTY: Collin

CITIZENSHIP: United States

POST OFFICE ADDRESS: Same As Above

Docket Number: 11032RR Page 1 of 3

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the specification of which: (check one)

Ifiled herewith under Attorney's Docket Number 11032RR

PORTABLE CALL MANAGEMENT SYSTEM

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

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Docket Number: 11032RR Page 2 of 3

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(1) FULL NAME OF INVENTOR: Gregory T, Osterhout	**************************************
INVENTOR'S SIGNATURE: Agon 1. Colored	DATE: 10/15/99
RESIDENCE: 313 Falcon Court, Coppell, TX 75019	COUNTY: Dallas
CITIZENSHIP: United States	
POST OFFICE ADDRESS: Same As Above	
(2) FULL NAME OF INVENTOR: Kim B. Holmes	
INVENTOR'S SIGNATURE:	DATE:
RESIDENCE: 5408 Scenic Drive, Rowlett, TX 75088	COUNTY: Dalles
CITIZENSHIP: Canada	
POST DEFICE ADDRESS: Same As Above	

(3) FULL NAME	OF INVENTOR:	Mark Sosebee
		•

INVENTOR'S SIGNATURE:

DATE:

RESIDENCE: 920 Goodwin Drive, Plano, TX 75023

COUNTY: Collin

CITIZENSHIP: United States

POST OFFICE ADDRESS: Same As Above





Commissioner for Patents Washington, DC 20231 www.uspto.gov

Bib Data Sheet

CONFIRMATION NO. 1786

SERIAL NUMBER 10/199,797	FILING DATE 07/19/2002 RULE	c	CLASS 455	GRO	UP AR 2684 268	-		ATTORNEY OCKET NO. 032RRUS04D
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FEE RECORD SHEET

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PATENT APPLICATION FEE DETERMINATION RECORD Effective October 1, 2001

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10/8/02 TO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Osterhout et al.

Serial No.: Not Assigned

Filed: July 19, 2002

For: Portable Call Management

System

§ Group Art Unit: 2684
§ Examiner: Nguyen, Thuan T.
§ Attorney Docket No.: 11032RRUS04D

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

I hereby certify this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on July 19,

Krista Douthitt

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Hon. Assistant Commissioner of Patents Washington, D.C. 20231

Sir:

Applicants request that the information listed on the attached Form PTO-1449 be considered by the Office during the pendency of the above entitled application, pursuant to 37 C.F.R. 1.97.

Please charge any fees necessary for prosecution of the present application to Deposit Account No. 50-0392. If any extension of time is required, such extension is hereby requested. Please charge any additional required fee for extension of time to Deposit Account No. 50-0392.

In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b). In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the new standards of materiality defined in 37 C.F.R. 1.56(b),

11032RRUS04D – Osterhout et al. Page 1 of 2 enacted March 16, 1992, but may be material under the old standard of materiality defined in 37 C.F.R. 1.56(a), last amended on November 28, 1988, or may merely be technical background which may be of interest to the Examiner. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) within three months of the filing date of the application, or before the mailing date of a first office action on the merits. No fee is required.

Respectfully submitted,

Date: 7/19/02

Duke W. Yee Reg. No. 34,285

Carstens, Yee & Cahoon, LLP

P.O. Box 802334 Dallas, Texas 75380 (972) 367-2001

Attorney for Applicants

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

§

10/8/02

In re application of: Osterhout et al.

Serial No.: Not Assigned

Filed: July 19, 2002

For: Portable Call Management

System

Group Art Unit: 2684

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

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Bv:

Krista Douthitt

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents Washington, D.C. 20231

Sir:

No fees are believed to be necessary. If, however, any fees are required, I authorize the Commissioner to charge these fees to Deposit Account No. 50-0392. No extension of time is believed to be necessary. If, however, an extension of time is necessary, the extension is requested and I authorize the Commissioner to charge the necessary extension fees to Deposit Account No. 50-0392.

Prior to examination of this application, please amend the above-identified application as follows:

IN THE SPECIFICATION:

On page one, before the BACKGROUND OF THE INVENTION, please insert the following paragraph:

AI

This application is a divisional of application number 09/419,175,

filed October 15, 1999, status pending.

IN THE CLAIMS:

Please cancel claims 1-42 and 63-65.



REMARKS

Claims 1-42 and 63-65 have been canceled. Claims 52-62 and 66-69 remain in the application. These claims are believed to be in condition for allowance. The examiner is invited to call the undersigned at the below-listed telephone number if in the opinion of the examiner such a telephone conference would expedite or aid the prosecution and examination of this application.

Date: July 19, 2002

Respectfully submitted,

Registration No. 34,285

CARSTENS YEE & CAHOON, LLP

P.O. Box 802334

Dallas, Texas 75380

(972) 367-2001

ATTORNEY FOR APPLICANT