

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
Application Number:	13337769
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
Application Number:	09471443
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
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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
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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:	13665072
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
Application Number:	09577292
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Application Number:	09707987
Application Number:	09735542
Application Number:	09702760
Application Number:	09672814
Application Number:	09471439
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
Application Number:	09644400
Application Number:	09742419
Application Number:	09645661
Application Number:	09580495
Application Number:	12476693
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
Application Number:	09812975
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
Application Number:	09629785
Application Number:	09527060
Application Number:	09660688
Application Number:	11205577
Application Number:	09660143
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:	09745746
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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
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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
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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
Application Number:	10025982
Application Number:	11447030
Application Number:	10410169
Application Number:	11743805
Application Number:	12916805
Application Number:	10194551
Application Number:	10107070
Application Number:	10718129
Application Number:	12757209
Application Number:	13406145
Application Number:	09970883
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
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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
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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
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Application Number:	10289717
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Application Number:	10657939
Application Number:	10611392
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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
Application Number:	10617956
Application Number:	10411332
Application Number:	10692842
Application Number:	10692575
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:	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
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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
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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
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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
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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
Application Number:	13539801
Application Number:	11343996
Application Number:	12752228
Application Number:	11291300
Application Number:	11427522
Application Number:	12609039
Application Number:	11996561
Application Number:	11391537
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
Application Number:	11512671
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
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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
Application Number:	12006285
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
Application Number:	12041057
Application Number:	11713499
Application Number:	11978314
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
Application Number:	12334013
Application Number:	12418919
Application Number:	12344010
Application Number:	13713880
Application Number:	12394405
Application Number:	13098270
Application Number:	12168688
Application Number:	12412743
Application Number:	13434365
Application Number:	12345186
Application Number:	13269674
Application Number:	12276623
Application Number:	12259650
Application Number:	13204309
Application Number:	12492887
Application Number:	12549534
Application Number:	13624267
Application Number:	12490187
Application Number:	13250034
Application Number:	12503266
Application Number:	12344914
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
Application Number:	09145050
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
Application Number:	09511777
Application Number:	09632294
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
Application Number:	08739492
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Application Number:	08769208
Application Number:	09117907
Application Number:	08799496
Application Number:	08837435
Application Number:	08798773
Application Number:	08890054
Application Number:	08998918
Application Number:	08871930
Application Number:	08770222
Application Number:	08823632
Application Number:	08858321
Application Number:	08873497
Application Number:	08961970
Application Number:	08942189

Property Type	Number
Application Number:	08980504
Application Number:	08957267
Application Number:	08943169
Application Number:	08993944
Application Number:	08980505
Application Number:	08991272
Application Number:	09071071
Application Number:	09114779
Application Number:	09185361
Application Number:	09153393
Application Number:	08496650
Application Number:	08814627
Application Number:	08680286
Application Number:	08551264
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Application Number:	08618747
Application Number:	08723080
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Application Number:	08822618
Application Number:	08440358
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Application Number:	08662966
Application Number:	08338850
Application Number:	08385419
Application Number:	08717608
Application Number:	08720277
Application Number:	08761213
Application Number:	08551470
Application Number:	08548304
Application Number:	08516269
Application Number:	08723649
Application Number:	08650502
Application Number:	08548716
Application Number:	08630642
Application Number:	08587046
Application Number:	08691050
Application Number:	08773905
Application Number:	08694124

Property Type	Number
Application Number:	08719302
Application Number:	08652061
Application Number:	08728428
Application Number:	08792861
Application Number:	08730831
Application Number:	08727367
Application Number:	09086798
Application Number:	08749687
Application Number:	08815260
Application Number:	08932709
Application Number:	09172997
Application Number:	08998223
Application Number:	08534290
Application Number:	08948443
Application Number:	08715823
Application Number:	08837975
Application Number:	08726604
Application Number:	08806861
Application Number:	08632597
Application Number:	08413556
Application Number:	08344551
Application Number:	08637963
Application Number:	08329716
Application Number:	08354599
Application Number:	08348850
Application Number:	08292275
Application Number:	09684828
Application Number:	09515784
Application Number:	10183283
Application Number:	10923440
Application Number:	09515030
Application Number:	10264137
Application Number:	10881355
Application Number:	09514653
Application Number:	10246719
Application Number:	11383388
Application Number:	08979153
Application Number:	08649436

Property Type	Number
Application Number:	10892020
Application Number:	12587591
Application Number:	08155466
Application Number:	12690196
Application Number:	12620745
Application Number:	13082690
Application Number:	08125264
Application Number:	08224499
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

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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.

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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: 

Name: Michael Dunleavy
Title: Chief Corporate Counsel and Secretary
Date: January 28, 2015

ROCKSTAR CONSORTIUM LLC

Notary Seal:

By: 

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

BOCKSTAR TECHNOLOGIES LLC

Notary Seal:

By: 

Name: Michael Dunleavy
Title: Vice President and Corporate Secretary
Date: January 28, 2015

CONSTELLATION TECHNOLOGIES LLC

Notary Seal:

By: 

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

MOBILESTAR TECHNOLOGIES LLC

Notary Seal:

By: 

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

NETSTAR TECHNOLOGIES LLC

Notary Seal:

By: 

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

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Buyer:

RPX CLEARINGHOUSE LLC

By: *Martin Roberts*

Name: Martin Roberts

Title: Secretary

Date: January 28, 2015

Pub. No.	App. No.	Pub. Date	Pub. Status	Pub. Title	Pub. No.	Pub. Date	Pub. Status	Pub. Title
16670ID	US 13/683,668	#EMPTY	Filed		21-Nov-12	#EMPTY		TRAFFIC ENGINEERING IN FRAME-BASED CARRIER NETWORKS
16672RO	US 14/093,976	#EMPTY	Filed		2-Dec-13	#EMPTY		SELECTIVE INTERNET PRIORITY SERVICE
16673RO	US 12/081,684	#EMPTY	Filed		18-Apr-08	#EMPTY		SYSTEMS AND METHODS FOR PREVENTING AN ATTACK ON HEALTHCARE DATA PROCESSING RESOURCES IN A HOSPITAL INFORMATION SYSTEM
16678RO	US 14/030,403	#EMPTY	Filed		18-Sep-13	#EMPTY		ETHERNET OAM PERFORMANCE MANAGEMENT
16716RO	US 14/053,058	#EMPTY	Filed		14-Oct-13	#EMPTY		METHOD AND APPARATUS FOR ASSIGNING AND ALLOCATING NETWORK RESOURCES TO LAYER 1 VIRTUAL PRIVATE NETWORKS
16747BA	US 14/147,896	#EMPTY	Filed		6-Jan-14	#EMPTY		METHOD FOR ACCELERATING FALLOVER OF VPN TRAFFIC IN AN MPLS PROVIDER NETWORK
16770BA	US 14/054,378	#EMPTY	Filed		15-Oct-13	#EMPTY		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	#EMPTY		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	#EMPTY		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	#EMPTY		NETWORK MANAGEMENT SYSTEM AND METHOD FOR ADAPTIVE PASTING OF CONFIGURATION INFORMATION
17164RR	US 13/928,602	#EMPTY	Filed		27-Jun-13	#EMPTY		PREVENTING ILLICIT COMMUNICATIONS
17173AB	US 13/899,113	#EMPTY	Filed		21-May-13	#EMPTY		SOFTWARE DEVELOPMENT AND TESTING ENVIRONMENT
17274RN	US 11/316,061	#EMPTY	Filed		22-Dec-05	#EMPTY		MULTIPLE CALL ORIGINATION
17277RO	US 13/493,248	#EMPTY	Filed		11-Jun-12	#EMPTY		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	#EMPTY		METHOD AND APPARATUS ENABLING IMPROVED PROTECTION OF CONSUMER INFORMATION IN ELECTRONIC TRANSACTIONS
17376RO	US 13/668,649	#EMPTY	Filed		5-Nov-12	#EMPTY		PSEUDO WIRE MERGE FOR IPTV
17471AU	US 11/304,071	#EMPTY	Filed		15-Dec-05	#EMPTY		SHARING OF AUTHENTICATED DATA
17478RO	US 11/170,211	#EMPTY	Filed		29-Jun-05	#EMPTY		TIMELY RECOVERY FOR MEDIA ON DEMAND STREAMING
17510SS	US 13/932,841	#EMPTY	Filed		1-Jul-13	#EMPTY		METHOD AND ARCHITECTURE FOR A SCALABLE APPLICATION AND SECURITY SWITCH USING MULTI-LEVEL LOAD BALANCING
17559RN	US 11/269,219	#EMPTY	Filed		8-Nov-05	#EMPTY		INTERACTIVE COMMUNICATION SESSION COOKIES
17593RR	US 11/313,309	#EMPTY	Filed		21-Dec-05	#EMPTY		PRESENCE NOTIFICATION
17685SS	US 13/720,188	#EMPTY	Filed		19-Dec-12	#EMPTY		INTERFACING BETWEEN A COMMAND LINE INTERFACE-BASED APPLICATION PROGRAM AND A REMOTE NETWORK DEVICE
17735RO	US 13/678,719	#EMPTY	Filed		16-Nov-12	#EMPTY		METHOD AND APPARATUS FOR LAYER 2 FAST RE-CONFIGURATION IN A ROUTING BRIDGE NETWORK
17775ID	US 13/925,196	#EMPTY	Filed		24-Jun-13	#EMPTY		FORWARDING TABLE MINIMISATION IN ETHERNET SWITCHES
17833RO	US 14/021,063	#EMPTY	Filed		9-Sep-13	#EMPTY		PROVIDER BACKBONE BRIDGING-PROVIDER BACKBONE TRANSPORT INTERNET WORKING
17856RO	US 11/298,673	7,747,019	Granted		12-Dec-05	29-Jun-10		METHODS AND SYSTEMS FOR COMMUNICATING OVER A QUANTUM CHANNEL
17902RR	US 11/755,190	#EMPTY	Filed		30-May-07	#EMPTY		LOCAL INSERTION OF ADVERTISEMENT CONTENT
17932RO	US 13/051,030	#EMPTY	Filed		18-Mar-11	#EMPTY		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	#EMPTY		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	#EMPTY		PROVIDING MEDIA INSERTS DURING GAPS IN STREAMING CONTENT DELIVERY
17961RO	US 11/357,090	#EMPTY	Filed		21-Feb-06	#EMPTY		ADAPTIVE CALL ROUTING IN IP NETWORKS
17965BA	US 11/469,416	#EMPTY	Filed		31-Aug-06	#EMPTY		MISSION GOAL STATEMENT TO POLICY STATEMENT TRANSLATIONS
18000RO	US 13/947,217	#EMPTY	Filed		22-Jul-13	#EMPTY		METHOD AND APPARATUS FOR CONTROLLING CALLING-PARTY IDENTIFICATION
18000RO	US 13/947,288	#EMPTY	Filed		22-Jul-13	#EMPTY		METHOD AND APPARATUS FOR CONTROLLING CALLING-PARTY IDENTIFICATION
18042RO	US 13/588,126	#EMPTY	Filed		17-Aug-12	#EMPTY		METHOD AND APPARATUS FOR SELECTING BETWEEN AVAILABLE NEIGHBORS IN A RAPID ALTERNATE PATH CALCULATION
18044RO	US 13/595,011	#EMPTY	Filed		27-Aug-12	#EMPTY		METHOD AND APPARATUS FOR SIMPLIFYING THE COMPUTATION OF ALTERNATE NETWORK PATHS
18059RO	US 13/306,417	#EMPTY	Filed		29-Nov-11	#EMPTY		METHOD AND APPARATUS FOR AUTHENTICATING USERS OF AN EMERGENCY COMMUNICATION NETWORK
18069RO	US 11/556,898	#EMPTY	Filed		6-Nov-06	#EMPTY		TIME-SHIFTED BROADCAST DELIVERY
18082RO	US 11/502,571	#EMPTY	Filed		11-Aug-06	#EMPTY		SYSTEM AND METHOD FOR DYNAMICALLY RE-CONFIGURING COMMUNICATIONS SESSION ROUTING BASED ON LOCATION INFORMATION
18089ID	US 13/337,769	#EMPTY	Filed		27-Dec-11	#EMPTY		SYSTEM AND METHOD FOR AUTOMATICALLY MANAGING PARTICIPATION AT A MEETING OR CONFERENCE
18095RO	US 14/185,248	#EMPTY	Filed		20-Feb-14	#EMPTY		METHOD AND APPARATUS FOR DOCUMENT MATCHING
18121RO	US 11/433,940	#EMPTY	Filed		15-May-06	#EMPTY		SYSTEM AND METHODS FOR FILTERING ELECTRONIC COMMUNICATIONS
18123RO	US 13/275,896	#EMPTY	Filed		18-Oct-11	#EMPTY		EXPEDITED RESOURCE NEGOTIATION IN SIP
18174RN	US 11/536,414	#EMPTY	Filed		28-Sep-06	#EMPTY		PRESENCE INFORMATION DELIVERY BASED ON SESSION PARTICIPATION
18179RO	US 11/477,975	#EMPTY	Filed		29-Jun-06	#EMPTY		Q-IN-Q ETHERNET RINGS
18201HU	US 13/452,983	#EMPTY	Filed		23-Apr-12	#EMPTY		METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS
18207FR	US 13/469,662	#EMPTY	Filed		11-May-12	#EMPTY		METHOD OF CONFIGURING A NODE, RELATED NODE AND CONFIGURATION SERVER
18243RO	US 11/679,897	#EMPTY	Filed		28-Feb-07	#EMPTY		COMPLETELY DRY PSEUDOWIRES

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Pub. No.	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	
18284RR	US	13/629,863	#EMPTY	Filed	28-Sep-12	#EMPTY	MESSAGE MAPPING FOR FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT
18288RO	US	13/936,340	#EMPTY	Filed	8-Jul-13	#EMPTY	POINT-TO-MULTIPOINT (P2MP) RESILIENCE FOR GMPLS CONTROL OF ETHERNET
18320RO	US	13/302,704	#EMPTY	Filed	22-Nov-11	#EMPTY	MULTICAST IMPLEMENTATION IN A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
18351RO	US	11/546,170	#EMPTY	Filed	11-Oct-06	#EMPTY	METHOD AND SYSTEM FOR PROTECTING A SUB-DOMAIN WITHIN A BROADCAST DOMAIN
18358RO	US	14/290,266	#EMPTY	Filed	29-May-14	#EMPTY	PROTOCOL FOR CLOCK DISTRIBUTION AND LOOP RESOLUTION
18364RO	US	11/621,280	#EMPTY	Filed	9-Jan-07	#EMPTY	METHOD AND APPARATUS FOR MANAGING BUFFERS DURING TRANSITIONS BETWEEN HETEROGENOUS NETWORKS
18377ID	US	13/934,506	#EMPTY	Filed	3-Jul-13	#EMPTY	APPLICATION SERVER BILLING
18418RO	US	11/616,685	#EMPTY	Filed	27-Dec-06	#EMPTY	USING TELECOM DATA TO ENHANCE WEB INTERACTION
18455RO	US	13/439,987	#EMPTY	Filed	5-Apr-12	#EMPTY	PERSONALIZED CONFERENCE BRIDGE
18463BA	US	13/928,053	#EMPTY	Filed	26-Jun-13	#EMPTY	COMMUNICATING DATA UNITS IN A COMMUNICATIONS 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	13/093,312	#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-Oct-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 COMPUTER-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 FREQUENCY GENERATORS 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-TIME PHYSICAL 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	13/451,276	#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 MULTI-POINT TRANSMISSION AND RECEPTION
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
198011Y	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 SAMPLED SIGNALS
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 (INHRRP)

Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No
Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No
ID0901	US	29/099,452	D424,066	Inactive	12-Jun-98	2-May-00	A CONTAINER FOR ELECTRICAL ELECTRONIC EQUIPMENT
ID0943	US	29/090,556	D413,021	Inactive	9-Jul-98	24-Aug-99	A CONTAINER FOR ELECTRICAL ELECTRONIC EQUIPMENT
ID0962	US	29/090,414	D418,074	Inactive	8-Jul-98	28-Dec-99	SIGNAL COUPLER UNIT
ID1001	US	29/090,872	D408,400	Inactive	17-Jul-98	20-Apr-99	MOBILE COMMUNICATIONS DEVICE
MO0098	US	08/137,453	5,394,000	Inactive	7-Oct-93	28-Feb-95	METHOD OF FORMING SELFALIGNED INTERPOLYSILICON CAPACITOR
MO0112	US	08/041,378	5,296,726	Inactive	1-Apr-93	22-Mar-94	HIGH RESISTIVE LOAD FOR AN INTEGRATED CIRCUIT
MO0121	US	08/080,544	5,362,669	Inactive	24-Jun-93	8-Nov-94	METHOD OF MAKING INTEGRATED CIRCUITS
MO0121	US	08/638,084	5,773,871	Inactive	25-Apr-96	30-Jun-98	METHOD OF MAKING INTEGRATED CIRCUITS
RM1053	US	08/080,543	5,515,475	Inactive	24-Jun-93	7-May-96	SPEECH RECOGNITION METHOD USING A TWO PASS SEARCH
RO2524	US	08/205,333	5,485,593	Inactive	3-Mar-94	16-Jan-96	SHARED MEMORY ACCESS AND DATA STRUCTURE ACCESS CONTROL
RO2554	US	07/858,293	5,241,265	Inactive	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	18-Mar-93	4-Oct-94	LOCAL AREA NETWORK EMBEDDED IN THE COMMUNICATION SWITCH CORE
RO2621	US	07/868,941	5,274,702	Inactive	16-Apr-92	28-Dec-93	WIDEBAND TELEPHONE LINE INTERFACE CIRCUIT
RO2661	US	08/104,265	5,471,650	Inactive	7-Jan-93	28-Nov-95	RADIO LINK PARAMETER CONTROL IN WIRELESS PERSONAL COMMUNICATIONS SYSTEM
RO2687	US	07/858,377	5,349,587	Inactive	26-Mar-92	20-Sep-94	METHOD AND APPARATUS FOR TESTING DIGITAL SYSTEMS
RO2716	US	07/868,940	5,258,713	Inactive	16-Apr-92	2-Nov-93	IMPEDANCE GENERATOR FOR A TELEPHONE LINE INTERFACE CIRCUIT
RO2743	US	07/906,192	5,363,425	Inactive	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	21-Apr-95	23-Apr-96	METHOD OF PROVIDING DC FEED TO A TELEPHONE LINE
RO2765	US	07/921,671	5,285,164	Inactive	30-Jul-92	8-Feb-94	ELECTROMAGNETIC RADIATION MEASUREMENT APPARATUS
RO2793	US	08/013,560	5,353,025	Inactive	4-Feb-93	4-Oct-94	METHODS AND APPARATUS FOR DIGITALLY ENCODING REPETITIVE ANALOG WAVEFORMS
RO2794	US	08/013,711	5,406,209	Inactive	4-Feb-93	11-Apr-95	METHODS AND APPARATUS FOR TESTING CIRCUIT BOARDS
RO2812	US	08/041,377	5,390,231	Inactive	1-Apr-93	14-Feb-95	PROTECTION AND RECOVERY OF TELEPHONE LINE INTERFACE CIRCUITS
RO2877	US	08/246,207	5,420,529	Inactive	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	11-Jan-94	18-Apr-95	CUSTOMER PREMISES ADSL SIGNAL DISTRIBUTION ARRANGEMENT
RO3031	US	29/044,661	D395,653	Inactive	28-Sep-95	30-Jun-98	TELEPHONE NECK SET
RO3032	US	29/044,814	D398,927	Inactive	28-Sep-95	29-Sep-98	SOUNDBEAM TELEPHONE BASE STATION
RO3191	US	29/061,305	D386,493	Inactive	21-Nov-96	18-Nov-97	TELEPHONE
RO3446	US	29/064,889	D396,041	Inactive	13-Jan-97	14-Jul-98	WIRELESS ANTENNA STAND
10003D	US	09/338,693	6,438,287	Granted	23-Jun-99	20-Aug-02	DISPERSION COMPENSATION
10128RR	US	09/473,746	6,539,221	Granted	28-Dec-99	25-Mar-03	AUTOMATIC WIRELESS NETWORK DESIGN
10130RO	US	09/663,568	6,898,794	Granted	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	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	6-Aug-99	10-Jun-03	SYSTEM AND METHOD FOR ROUTE OPTIMIZATION IN A WIRELESS INTERNET PROTOCOL NETWORK
10172ST	US	09/465,645	6,816,468	Granted	16-Dec-99	9-Nov-04	CAPTIONING FOR TELE-CONFERENCE
10173ST	US	09/417,047	6,704,294	Granted	13-Oct-99	9-Mar-04	ESTABLISHMENT OF A PSTN AND INTERNET MULTIMEDIA COLLABORATION SESSION
10177SC	US	09/404,043	6,744,867	Granted	23-Sep-99	1-Jun-04	REMOTE CONTROL OF CPE-BASED SERVICE LOGIC
10177SC	US	10/856,163	7,933,396	Granted	28-May-04	26-Apr-11	REMOTE CONTROL OF CPE-BASED SERVICE LOGIC
10181RO	US	09/390,214	6,178,001	Granted	8-Sep-99	23-Jan-01	METHOD AND APPARATUS FOR OPTICAL FREQUENCY MODULATION CHARACTERIZATION OF LASER SOURCES
10201RO	US	09/401,919	6,530,032	Granted	23-Sep-99	4-Mar-03	NETWORK FAULT RECOVERY METHOD AND APPARATUS
10202RO	US	09/522,096	6,490,244	Granted	9-Mar-00	3-Dec-02	LAYER 3 ROUTING IN SELF-HEALING NETWORKS
10204RR	US	09/351,342	6,480,718	Granted	12-Jul-99	12-Nov-02	AUTOMATIC FREQUENCY PLANNING FOR A WIRELESS NETWORK
10207RR	US	09/455,090	6,647,059	Granted	6-Dec-99	11-Nov-03	CODE DIVISION MULTIPLE ACCESS CABLE MODEM
10212BA	US	09/398,370	6,640,251	Granted	17-Sep-99	28-Oct-03	MULTICAST-ENABLED ADDRESS RESOLUTION PROTOCOL (ME-ARP)
10212BA	US	10/444,397	7,702,808	Granted	23-May-03	20-Apr-10	MULTICAST-ENABLED ADDRESS RESOLUTION PROTOCOL (ME-ARP)
10212BA	US	12/661,895	8,024,474	Granted	24-Mar-10	20-Sep-11	MULTICAST-ENABLED ADDRESS RESOLUTION PROTOCOL (ME-ARP)
10212BA	US	13/222,900	8,782,288	Granted	31-Aug-11	15-Jul-14	MULTICAST-ENABLED ADDRESS RESOLUTION PROTOCOL (ME-ARP)
10223D	US	09/472,449	6,671,510	Granted	27-Dec-99	30-Dec-03	WIRELESS TELEPHONE SYSTEM AND OPERATION METHOD THEREFOR
10225RR	US	09/358,994	6,690,651	Granted	22-Jul-99	10-Feb-04	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	6-Mar-00	6-Jul-04	LONG REACH SDSL SYSTEM SPECTRALLY COMPATIBLE WITH ADSL SYSTEMS
10247SR	US	09/359,538	6,674,746	Granted	22-Jul-99	6-Jan-04	METHOD AND APPARATUS FOR VOICE OVER INTERNET PROTOCOL SWAPPING IN A COMMUNICATIONS SYSTEM
10254RO	US	09/465,340	6,714,560	Granted	17-Dec-99	30-Mar-04	SS7 SIGNALLING TRANSPORT OVER ATM
10256RO	US	09/335,836	6,259,391	Granted	18-Jun-99	10-Jul-01	ANALOG GAIN CONTROL ADJUSTMENT USING A PROBABILISTIC ALGORITHM
10258RN	US	09/354,372	6,584,193	Granted	14-Jul-99	24-Jun-03	SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR NETWORK TELEPHONE QUEUING
10282RO	US	09/356,041	6,788,785	Granted	16-Jul-99	7-Sep-04	STABLE ADAPTIVE FILTER AND METHOD

Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title
10695RM	US 09/539,459	6,502,070	Granted	28-Apr-00	31-Dec-02	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 OF NETWORK NODES IN A MANAGED PACKET NETWORK	
10722RO	US 09/517,432	6,704,307	Granted	2-Mar-00	9-Mar-04	COMPACT HIGH CAPACITY SWITCH	
10725RR	US 09/468,977	6,823,364	Granted	21-Dec-99	23-Nov-04	DISTRIBUTION OF LOCATION INFORMATION IN IP NETWORKS BY INTELLIGENT ENDPOINTS	
10726RR	US 09/595,551	7,174,018	Granted	16-Jun-00	6-Feb-07	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-07	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	
10809ID	US 09/460,781	7,603,411	Granted	14-Dec-99	13-Oct-05	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-Apr-04	LINEAR 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 SHARED ACCESS NETWORK	
10849ID	US 09/374,805	6,272,209	Granted	16-Aug-99	7-Aug-01	LIFELINE TELEPHONY PROVISION FOR VOICE OVER DIGITAL SUBSCRIBER LINE	
10850ID	US 09/375,759	6,522,647	Granted	18-Aug-99	18-Feb-03	ENHANCED VDSL SERVICE PROVISION	
10868ID	US 09/375,758	6,526,058	Granted	18-Aug-99	25-Feb-03	VDSL SERVICE PROVISION	
10871RM	US 09/432,697	6,549,883	Granted	2-Nov-99	15-Apr-03	METHOD AND APPARATUS FOR GENERATING MULTILINGUAL TRANSCRIPTION GROUPS	
10872ID	US 09/354,651	6,882,643	Granted	16-Jul-99	19-Apr-05	SUPPORTING MULTIPLE SERVICES IN LABEL SWITCHED NETWORKS	
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	6,901,653	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 09/439,548	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	6,347,806	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-03	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 SELECTIVITY AND 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	6,795,355	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	6,968,295	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 ACCESSING 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 MANUFACTURE 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	
11207RR	US 09/472,627	6,625,258	Granted	27-Dec-99	23-Sep-03	SYSTEM AND METHOD FOR PROVIDING UNIFIED COMMUNICATION SERVICES SUPPORT	

Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title
125475S	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
125601D	US 09/739,528	6,636,662	Granted		15-Dec-00	21-Oct-03	PLANAR WAVEGUIDE DISPERSION COMPENSATOR
125601D	US 09/902,362	6,690,855	Granted		10-Jul-01	10-Feb-04	PLANAR WAVEGUIDE DISPERSION COMPENSATOR
12562R0	US 09/672,816	6,771,651	Granted		29-Sep-00	3-Aug-04	PROVIDING ACCESS TO A HIGH-CAPACITY PACKET NETWORK
12562R0	US 10/872,434	6,947,424	Granted		22-Jun-04	20-Sep-05	PROVIDING ACCESS TO A HIGH-CAPACITY PACKET NETWORK
12572R0	US 09/579,501	6,606,667	Granted		30-May-00	12-Aug-03	BALANCED NETWORKS
125895T	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
125951D	US 09/693,132	7,249,197	Granted		20-Oct-00	24-Jul-07	SYSTEM, APPARATUS AND METHOD FOR PERSONALISING WEB CONTENT
125991D	US 09/750,903	7,363,371	Granted		28-Dec-00	22-Apr-08	TRAFFIC FLOW MANAGEMENT IN A COMMUNICATIONS NETWORK
12602R0	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-05	DETERMINING NETWORK ADDRESSES AND PORTS USING TABLE FROM A DESCRIPTION FILE
126111D	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
12622R0	US 09/726,029	6,832,051	Granted		30-Nov-00	14-Dec-04	DISPERSION MANAGED OPTICAL TRANSMISSION LINKS FOR WAVELENGTH DIVISION MULTIPLEXED SYSTEMS
12623R0	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
12623R0	US 10/126,700	6,545,876	Granted		22-Apr-02	8-Apr-03	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERCIRCUIT BOARD
12625R0	US 09/593,697	6,366,716	Granted		15-Jun-00	2-Apr-02	OPTICAL SWITCHING DEVICE
12633R0	US 09/735,471	6,888,848	Granted		14-Dec-00	3-May-05	COMPACT SEGMENTATION OF VARIABLE-SIZE-PACKETS STREAMS
126441D	US 09/867,173	7,154,879	Granted		29-May-01	26-Dec-06	POINT TO MULTIPOINT NETWORK
12652R0	US 09/746,421	6,754,288	Granted		26-Dec-00	22-Jun-04	LINE RECEIVER WITH IMPROVED DYNAMIC RANGE
12653R0	US 09/671,140	6,882,799	Granted		28-Sep-00	19-Apr-05	MULTI-GRAINED NETWORK
12653R0	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
12659R0	US 09/954,192	7,184,431	Granted		18-Sep-01	27-Feb-07	ROTATOR COMMUNICATION SWITCH HAVING REDUNDANT ELEMENTS
126671D	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
12683R0	US 09/660,196	6,399,898	Granted		12-Sep-00	4-Jun-02	TECHNIQUE FOR COUPLING SIGNALS BETWEEN CIRCUIT BOARDS
12689R0	US 10/014,805	6,823,104	Granted		14-Dec-01	23-Nov-04	CONTROLLING MESSAGING IN AN OPTICAL NETWORK
12690R0	US 09/735,537	7,120,356	Granted		14-Dec-00	10-Oct-06	CONNECTION VERIFICATION FOR OPTICAL SWITCHES
12691R0	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 BY SPECIFYING 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
12700R0	US 10/969,748	7,684,389	Granted		20-Oct-04	23-Mar-10	MULTI-DIMENSIONAL LATTICE NETWORK
127065T	US 09/667,667	6,888,936	Granted		22-Sep-00	3-May-05	USER CONTROLLED LOCATION SHARING DURING A COMMUNICATION
12710R0	US 09/687,358	6,701,150	Granted		13-Oct-00	2-Mar-04	NETWORK DRIVEN CELL SWITCHING AND HANDOFF WITH LOAD BALANCING FOR WIRELESS SYSTEMS
12711R0	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-05	TRANSPORT MECHANISM FOR ISDN BACKHAUL OVER IP
127231D	US 09/852,995	7,162,474	Granted		10-May-01	9-Jan-07	RECIPIENT CONTROLLED CONTACT DIRECTORIES
12726R0	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
12728R0	US 09/726,027	6,999,677	Granted		30-Nov-00	14-Feb-06	PROTECTION SWITCHING ARRANGEMENT FOR AN OPTICAL SWITCHING SYSTEM
12728R0	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
12748R0	US 10/659,320	7,545,804	Granted		11-Sep-03	9-Jun-09	HIGH THROUGHPUT ROTATOR SWITCH HAVING EXCESS TANDEM BUFFERS
12753R0	US 09/713,292	7,099,933	Granted		16-Nov-00	29-Aug-06	SYSTEM AND METHOD FOR REGULATING WEB SITE ACCESS
127571D	US 09/708,381	6,819,878	Granted		8-Nov-00	16-Nov-04	PACKET-BASED OPTICAL COMMUNICATIONS NETWORKS
127591D	US 09/693,100	6,782,200	Granted		20-Oct-00	24-Aug-04	PACKET-BASED OPTICAL COMMUNICATIONS NETWORKS
12771R0	US 09/749,435	6,621,384	Granted		28-Dec-00	16-Sep-03	TECHNOLOGY IMPLEMENTATION OF SUSPENDED STRIPLINE WITHIN MULTI-LAYER SUBSTRATEUSED TO VARY TIME DELAY AND TO MAXIMIZE THE REACH OF SIGNALS WITH HIGH DATA RATES OR HIGH FREQUENCIES
12777R0	US 09/749,470	6,441,319	Granted		28-Dec-00	27-Aug-02	INSERTED COMPONENTS FOR VIA CONNECTION OF SIGNAL TRACKS TO ACHIEVE CONTINUOUS IMPEDANCE MATCHING IN MULTI-LAYER SUBSTRATE
12805RN	US 09/752,143	6,771,173	Granted		29-Dec-00	3-Aug-04	SYSTEM AND DEVICE FOR MONITORING AND SIGNALING PERSONNEL PRESENCE
128391D	US 09/888,889	6,958,978	Granted		25-Jun-01	25-Oct-05	DIFFERENTIATED SERVICES IN PACKET-SWITCHED NETWORKS
12845R0	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

Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.
Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.
12850RR	US	09/698,205	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	6,337,753	Granted	17-Nov-98	8-Jan-02	POLARIZATION INDEPENDENT ALL-OPTICAL REGENERATORS
12933QT	US	09/250,679	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 SCHEDULING 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	7,379,830	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-Apr-07	MODULAR HIGH CAPACITY NETWORK
12985ID	US	09/727,644	6,778,541	Granted	1-Dec-00	17-Aug-04	DYNAMIC DATA TUNNELING
12988ID	US	09/708,383	6,795,544	Granted	8-Nov-00	21-Sep-04	METHOD FOR PUBLIC CONVERSATION INDICATION IN A TELEPHONY EXCHANGE
12993RO	US	09/749,411	6,603,376	Granted	28-Dec-00	5-Aug-03	SUSPENDED STRIPLINE STRUCTURES TO REDUCE SKIN EFFECT AND DIELECTRIC LOSS TO PROVIDE LOW LOSS TRANSMISSION OF SIGNALS WITH HIGH DATA RATES OR HIGH 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 BROADCASTING 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 INITIALIZATION 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 LIGHTWAVE 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-Oct-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 THEREFOR
13188CK	US	09/281,404	6,301,274	Granted	30-Mar-99	9-Oct-01	TUNABLE EXTERNAL CAVITY LASER
13191CK	US	10/357,637	6,788,408	Granted	4-Feb-03	7-Sep-04	WAVELENGTH MONITORING SYSTEM
13196CK	US	09/636,806	6,546,828	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-Nov-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-05	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

Pub No	Pub Class	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No
Pub No	Pub Class	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No
13229RR	US	09/757,904	7,152,103	Granted	10-Jan-01	19-Dec-06	LAWFUL COMMUNICATION INTERCEPTION - INTERCEPTING COMMUNICATION ASSOCIATED INFORMATION
13241AU	US	09/772,968	6,807,371	Granted	27-Nov-00	19-Oct-04	RECONFIGURABLE ADD-DROP MULTIPLEXER
13244RO	US	09/750,071	6,907,002	Granted	29-Dec-00	14-Jun-05	BURST SWITCHING IN A HIGH CAPACITY NETWORK
13245AB	US	09/745,202	6,958,980	Granted	20-Dec-00	25-Oct-05	ESTABLISHING CALL SESSIONS BETWEEN TERMINALS THROUGH PLURAL SWITCH SYSTEMS
13249RO	US	09/749,945	6,563,751	Granted	29-Dec-00	13-May-03	SYSTEM AND METHOD FOR TESTING TDM SRAMS
13250BA	US	09/740,706	7,079,770	Granted	19-Dec-00	18-Jul-06	SYSTEM AND APPARATUS FOR DROPPING AND ADDING OPTICAL DATA STREAMS IN AN OPTICAL COMMUNICATION NETWORK
13251CK	US	10/017,521	6,847,753	Granted	14-Dec-01	25-Jan-05	SWITCH-VARIABLE OPTICAL ATTENUATOR AND SWITCH ARRAYS
13264D	US	09/723,019	7,161,897	Granted	27-Nov-00	9-Jan-07	COMMUNICATIONS SYSTEM, APPARATUS AND METHOD THEREFOR
13291RO	US	09/865,667	7,516,485	Granted	29-May-01	7-Apr-09	METHOD AND APPARATUS FOR SECURELY TRANSMITTING ENCRYPTED DATA THROUGH A FIREWALL AND FOR MONITORING USER TRAFFIC
13294D	US	09/767,098	6,526,195	Granted	22-Jan-01	25-Feb-03	PROTECTING OPTICAL SWITCHES
13295D	US	09/751,060	7,103,003	Granted	29-Dec-00	5-Sep-06	NETWORK PLANNING TOOL
13301RO	US	09/750,766	7,787,447	Granted	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	Granted	29-Mar-10	28-May-13	VOICE OPTIMIZATION IN A NETWORK HAVING VOICE OVER INTERNET PROTOCOL COMMUNICATION DEVICES
13301RO	US	13/901,107	#EMPTY	Filed	23-May-13	#EMPTY	VOICE OPTIMIZATION IN A NETWORK HAVING VOICE OVER INTERNET PROTOCOL COMMUNICATION DEVICES
13313D	US	09/785,340	6,868,116	Granted	16-Feb-01	15-Mar-05	UNIVERSAL TELEPHONY TONES DETECTOR
13314RO	US	09/751,289	7,114,003	Granted	29-Dec-00	26-Sep-06	CONTENT NETWORKS
13317SS	US	09/742,683	8,112,545	Granted	19-Dec-00	7-Feb-12	DISTRIBUTED NETWORK ADDRESS TRANSLATION CONTROL
13317SS	US	13/363,786	8,788,709	Granted	1-Feb-12	22-Jul-14	DISTRIBUTED NETWORK ADDRESS TRANSLATION CONTROL
13330RX	US	09/750,062	6,481,844	Granted	29-Dec-00	19-Nov-02	APPARATUS, METHOD AND MEDIUM FOR PROVIDING AN OPTICAL EFFECT
13335CK	US	09/750,204	6,934,033	Granted	28-Dec-00	23-Aug-03	SINGLE ETALON, MULTI-POINT WAVELENGTH CALIBRATION REFERENCE
13336RO	US	09/704,291	6,985,959	Granted	1-Nov-00	10-Jan-06	CONSTRAINT ROUTE DISSEMINATION USING DISTRIBUTED ROUTE EXCHANGERS
13342XR	US	09/234,177	6,272,507	Granted	19-Jan-99	14-Aug-01	INTEGRATED SILICON PROFILOMETER AND AFM HEAD
13351XR	US	09/446,540	6,445,844	Granted	21-Dec-99	3-Sep-02	FLEXIBLE, MODULAR, COMPACT FIBER OPTIC SWITCH
13353XR	US	09/704,439	6,650,803	Granted	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	Granted	27-Aug-03	2-Nov-04	METHOD AND APPARATUS FOR BRIDGING OPTICAL SIGNALS IN AN OPTICAL NETWORK
13353XR	US	10/648,956	6,944,364	Granted	27-Aug-03	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	Granted	28-Aug-03	20-Sep-05	SIGNALS AND METHODS FOR INCREASING RELIABILITY IN OPTICAL NETWORK EQUIPMENT
13354XR	US	10/157,354	6,744,550	Granted	28-May-02	1-Jun-04	TWO-DIMENSIONAL MICRO-MIRROR ARRAY ENHANCEMENTS
13354XR	US	10/695,109	7,031,045	Granted	28-Oct-03	18-Apr-06	TWO-DIMENSIONAL MICRO-MIRROR ARRAY ENHANCEMENTS
13357XR	US	09/704,444	6,597,826	Granted	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	Granted	14-Sep-02	1-Nov-05	VARIABLE ATTENUATION OF FREE-SPACE LIGHT BEAMS
13375XR	US	09/704,445	6,792,174	Granted	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	Granted	12-May-97	4-Apr-00	MICROMACHINED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSION BARS
13387XR	US	09/518,364	6,467,345	Granted	3-Mar-00	22-Oct-02	METHOD OF OPERATING MICROMACHINED MEMBERS COUPLED FOR RELATIVE ROTATION
13388XR	US	10/031,159	6,694,072	Granted	11-Jan-02	17-Feb-04	FLEXIBLE, MODULAR, COMPACT FIBER OPTIC SWITCH IMPROVEMENTS
13389XR	US	09/704,458	6,882,765	Granted	1-Nov-00	19-Apr-05	CONNECTION PROTECTION BETWEEN CLIENTS AND OPTICAL CROSS-CONNECT SWITCHES
13421RR	US	09/698,362	6,867,797	Granted	27-Oct-00	15-Mar-05	ANIMATING IMAGES DURING A CALL
13423RO	US	09/751,796	6,937,572	Granted	29-Dec-00	30-Aug-05	CALL TRACE ON A PACKET SWITCHED NETWORK
13426RO	US	09/863,319	6,886,161	Granted	24-May-01	26-Apr-05	METHOD AND DATA STRUCTURE FOR COMPRESSING FILE-REFERENCE INFORMATION
13456HU	US	09/689,101	6,590,961	Granted	12-Oct-00	8-Jul-03	CALL PROTECT SYSTEMS WITH HANDOFF REDUNDANCY
13459BA	US	09/877,150	6,993,136	Granted	8-Jun-01	31-Jan-06	SPATIAL KEY TREES FOR KEY MANAGEMENT IN WIRELESS ENVIRONMENTS
13460BA	US	09/952,328	7,539,313	Granted	13-Sep-01	26-May-09	SYSTEM AND METHOD FOR KEY MANAGEMENT ACROSS GEOGRAPHIC DOMAINS
13464RO	US	09/746,124	6,928,245	Granted	20-Dec-00	9-Aug-05	METHOD FOR CONFIGURING WDM RING OPTICAL NETWORKS
13469RO	US	09/723,591	7,519,047	Granted	28-Nov-00	14-Apr-09	METHOD AND APPARATUS FOR CLONING TERMINALS IN A COMMUNICATIONS NETWORK
13476ST	US	09/735,500	6,763,093	Granted	14-Dec-00	13-Jul-04	APPLICATION BASED QUEUING VIA AN H.323/SIP INTERFACE
13476ST	US	10/856,733	7,613,289	Granted	28-May-04	3-Nov-09	APPLICATION BASED QUEUING VIA AN H.323/SIP INTERFACE
13477ST	US	09/735,501	6,643,357	Granted	14-Dec-00	4-Nov-03	DISTRIBUTED REDIRECT SERVER
13477ST	US	10/694,566	7,031,445	Granted	27-Oct-03	18-Apr-06	DISTRIBUTED REDIRECT SERVER
13487RR	US	09/976,643	7,200,125	Granted	12-Oct-01	3-Apr-07	METHOD AND APPARATUS FOR DIFFERENTIATED COMMUNICATIONS IN A WIRELESS NETWORK
13492D	US	09/864,844	6,490,385	Granted	24-May-01	3-Dec-02	DIMENSIONALLY STABLE DEVICE CONSTRUCTION
13499RO	US	09/742,347	6,961,776	Granted	22-Dec-00	1-Nov-05	ARCHITECTURE FOR MULTIPLE CHANNEL ACCESS TO APPLICATIONS
13530RO	US	09/961,379	6,889,336	Granted	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	Granted	18-Dec-00	19-Feb-08	TRANSACTION MANAGEMENT FOR INTERWORKING BETWEEN DISPARATE NETWORKS
13557RO	US	09/697,120	6,795,445	Granted	27-Oct-00	21-Sep-04	HIERARCHICAL BANDWIDTH MANAGEMENT IN MULTISERVICE NETWORKS

Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title	
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	20-May-08	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
13589D	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
136128A	US	10/040,975	7,533,183	Granted		28-Dec-01	12-May-09	CENTRAL CONTROL OF MULTIPLE ADDRESS DOMAINS WITHIN A ROUTER
13619D	US	09/815,323	6,853,719	Granted		22-Mar-01	8-Feb-05	PROVISION OF MEDIA CONTENT TO TELEPHONY CALLERS ON-HOLD
13620D	US	09/888,883	6,854,013	Granted		25-Jun-01	8-Feb-05	METHOD AND APPARATUS FOR OPTIMIZING NETWORK SERVICE
13621D	US	09/745,887	6,496,626	Granted		21-Dec-00	17-Dec-02	TELECOMMUNICATION SYSTEM POWER 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 PREVIOUSLY TRANSMITTED ENTERPRISE MESSAGES
13645D	US	09/751,058	6,985,447	Granted		29-Dec-00	10-Jan-06	LABEL SWITCHED TRAFFIC ROUTING AND SIGNALING 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
13658D	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
13860D	US	09/848,743	7,380,017	Granted		3-May-01	27-May-08	ROUTE PROTECTION IN A COMMUNICATIONS NETWORK
13874D	US	09/794,125	7,411,994	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	30-Oct-07	CONTENT PROVIDER SECURE AND TRACEABLE PORTAL
14039BA	US	09/934,446	7,046,662	Granted		21-Aug-01	16-May-06	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	18-Jul-06	OPTICAL SIGNAL GENERATOR WITH STABILIZED CARRIER FREQUENCY OUTPUT
14042RO	US	09/893,493	7,599,620	Granted		29-Jun-01	6-Oct-05	COMMUNICATIONS NETWORK FOR A METROPOLITAN AREA
14043RO	US	09/870,665	7,035,541	Granted		1-Jun-01	25-Apr-06	WAVELENGTH ARCHITECTURE AND IMPLEMENTATION FOR A PHOTONICALLY SWITCHED NETWORK
14051RO	US	10/025,615	6,889,187	Granted		26-Dec-01	3-May-05	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	13-Jul-04	SYSTEM FOR ENABLING TDD COMMUNICATION IN A TELEPHONE NETWORK AND METHOD FOR USING SAME
14102RR	US	09/751,461	6,868,396	Granted		29-Dec-00	15-Mar-05	METHOD AND APPARATUS FOR MONITORING INTERNET BASED SALES TRANSACTION BY LOCAL VENDORS
14108CK	US	09/966,502	6,813,291	Granted		28-Sep-01	2-Nov-04	TUNABLE FABRY-PEROT FILTER AND TUNABLE VERTICAL CAVITY SURFACE EMITTING LASER
14111CK	US	10/103,416	6,744,324	Granted		20-Mar-02	1-Jun-04	METHOD AND APPARATUS FOR CALIBRATING A FABRY-PEROT INTERFEROMETER BASED MEASUREMENT SYSTEM
14114RO	US	09/817,796	6,947,547	Granted		27-Mar-01	20-Sep-05	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

Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title	
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	3-Feb-09	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	9-Nov-10	TECHNIQUE FOR DELIVERING AND ENFORCING NETWORK QUALITY OF SERVICE TO MULTIPLE OUTSTATIONS
14782DE	US	09/999,267	7,529,711	Granted		31-Oct-01	5-May-09	METHOD AND SYSTEM FOR PROVIDING AND BILLING INTERNET SERVICES
14784RO	US	10/191,660	7,152,115	Granted		9-Jul-02	19-Dec-06	VIRTUAL PRIVATE NETWORKS
14796RO	US	10/054,512	7,187,654	Granted		13-Nov-01	6-Mar-07	RATE-CONTROLLED OPTICAL BURST SWITCHING
14796RO	US	11/625,949	8,406,246	Granted		23-Jan-07	26-Mar-13	RATE-CONTROLLED OPTICAL BURST SWITCHING
14796RO	US	13/792,825	8,902,916	Granted		11-Mar-13	2-Dec-14	RATE-CONTROLLED OPTICAL BURST SWITCHING
14800CK	US	09/993,271	6,520,652	Granted		14-Nov-01	18-Feb-03	METHOD AND APPARATUS FOR REDUCING UNDESIRABLE REFLECTED LIGHT IN INTEGRATED OPTO-ELECTRONIC MODULES
14807D	US	09/991,386	8,782,226	Granted		13-Nov-01	15-Jul-14	ALLOCATING INTERNET PROTOCOL (IP) ADDRESSES TO NODES IN COMMUNICATIONS NETWORKS WHICH USE INTEGRATED IS-IS
14818ID	US	09/973,656	7,246,166	Granted		9-Oct-01	17-Jul-07	ESTABLISHING A COMMUNICATIONS PATH VIA A MULTI-HOMED COMMUNICATIONS NETWORK
14828RO	US	10/081,987	7,020,150	Granted		22-Feb-02	28-Mar-06	SYSTEM, DEVICE, AND METHOD FOR TRAFFIC AND SUBSCRIBER SERVICE DIFFERENTIATION USING MULTIPROTOCOL LABEL SWITCHING
14829RO	US	10/013,677	8,429,221	Granted		13-Dec-01	23-Apr-13	CONTENT REQUEST ROUTING METHOD
14845SS	US	10/177,998	8,750,702	Granted		21-Jun-02	10-Jun-14	PASSIVE OPTICAL LOOPBACK
14846RO	US	10/180,050	7,236,699	Granted		27-Jun-02	26-Jun-07	HIGH CAPACITY OPTICAL NODE
14850RO	US	10/326,123	7,069,650	Granted		23-Dec-02	4-Jul-06	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A SIGNAL ROUTING DEVICE
14851RO	US	10/178,131	7,610,332	Granted		24-Jun-02	27-Oct-09	OVERLAY NETWORKS
14866SS	US	10/172,547	7,352,836	Granted		14-Jun-02	1-Apr-08	SYSTEM AND METHOD FOR CROSS-CLOCK DOMAIN RATE MATCHING
14869RO	US	10/224,417	8,086,865	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	25-Dec-12	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	22-Apr-14	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	22-May-07	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	Granted		13-Nov-01	8-May-07	DATA BURST SCHEDULING
14880RO	US	11/696,213	7,590,109	Granted		4-Apr-07	15-Sep-09	DATA BURST SCHEDULING
14903ID	US	10/037,043	8,095,668	Granted		9-Nov-01	10-Jan-12	MIDDLEBOX CONTROL
14903ID	US	13/325,278	8,468,259	Granted		14-Dec-11	18-Jun-13	MIDDLEBOX CONTROL
14903ID	US	13/325,290	8,489,751	Granted		14-Dec-11	16-Jul-13	MIDDLEBOX CONTROL
14904FR	US	10/054,207	8,713,185	Granted		22-Jan-02	29-Apr-14	METHODS OF ESTABLISHING VIRTUAL CIRCUITS AND OF PROVIDING A VIRTUAL PRIVATE NETWORK SERVICE THROUGH A SHARED NETWORK, AND PROVIDER EDGE DEVICE FOR SUCH NETWORK
14908RO	US	10/139,928	6,926,561	Granted		7-May-02	9-Aug-05	INTEGRATED HIGH AND LOW FREQUENCY CONNECTOR ASSEMBLY
14918RO	US	10/101,211	7,256,354	Granted		20-Mar-02	14-Aug-07	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERCIRCUIT BOARD
14945RN	US	10/079,237	8,644,475	Granted		20-Feb-02	4-Feb-14	TELEPHONY USAGE DERIVED PRESENCE INFORMATION
14946FR	US	10/185,113	6,789,121	Granted		28-Jun-02	7-Sep-04	METHOD OF PROVIDING A VIRTUAL PRIVATE NETWORK SERVICE THROUGH A SHARED NETWORK, AND PROVIDER EDGE DEVICE FOR SUCH NETWORK
14963RR	US	10/102,171	7,382,748	Granted		20-Mar-02	3-Jun-08	ASSIGNING A DYNAMIC HOME AGENT FOR A MOBILE NETWORK ELEMENT
14966CK	US	10/264,060	6,831,450	Granted		3-Oct-02	14-Dec-04	ELECTRONIC METHOD AND APPARATUS FOR MEASURING OPTICAL WAVELENGTH AND LOCKING TO A SET OPTICAL WAVELENGTH OF FABRY-PEROT TUNABLE CAVITY OPTO-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	6,573,230	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	7,286,345	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 MULTILAYER SIGNAL 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

Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title	Pub No	Pub Title	
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 COMMUNICATION 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	10/301,081	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	10/326,123	6,710,513	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 NETWORKS
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	30-Oct-07	CALL-FAIL-SAFE METHOD FOR WIRELESS TRAFFIC DISTRIBUTION ACROSS BANDS
15312RO	US	10/262,288	7,920,546	Granted		1-Oct-02	5-Apr-11	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	26-Nov-13	MONITORING PHASE NON-LINEARITIES IN AN OPTICAL COMMUNICATIONS SYSTEM
15313RO	US	14/064,901	8,781,317	Granted		28-Oct-13	15-Jul-14	MONITORING PHASE NON-LINEARITIES IN AN OPTICAL COMMUNICATIONS SYSTEM
15316RO	US	10/261,577	7,050,565	Granted		1-Oct-02	23-May-06	MULTIMEDIA AUGMENTED CALL COVERAGE
15324XR	US	10/384,270	7,042,922	Granted		7-Mar-03	9-May-06	METHOD FOR CALIBRATING PHOTONIC CROSSCONNECT DEVICE
15325XR	US	10/383,437	7,072,031	Granted		7-Mar-03	4-Jul-06	ALIGNMENT LASER FOR USE IN CROSS-CONNECTS
15327XR	US	10/384,108	6,836,589	Granted		7-Mar-03	28-Dec-04	LOW LOSS OPTICAL SWITCH USING DUAL AXIS PIEZO ACTUATION AND SENSING
15331XR	US	10/259,240	6,853,763	Granted		27-Sep-02	8-Feb-05	PHOTONIC SWITCHING INCLUDING PHOTONIC PASS-THROUGH AND ADD/DROP CAPABILITIES
15333RO	US	10/390,880	6,922,501	Granted		19-Mar-03	26-Jul-05	FAST OPTICAL SWITCH
15333RO	US	11/152,926	7,171,072	Granted		15-Jun-05	30-Jan-07	FAST OPTICAL SWITCH
15333RO	US	11/553,596	7,386,202	Granted		27-Oct-06	10-Jun-08	FAST OPTICAL SWITCH
15333RO	US	11/619,847	7,593,607	Granted		4-Jan-07	22-Sep-09	FAST OPTICAL SWITCH
15337RO	US	10/385,995	7,620,712	Granted		11-Mar-03	17-Nov-09	AVAILABILITY MEASUREMENT IN NETWORKS

Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.
Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.
15790D	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	10/771,631	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	7,668,349	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-Jul-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	8,669,904	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	8-Oct-13	DISTRIBUTED CALL SERVER SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD
16006RO	US	10/437,628	7,535,841	Granted	14-May-03	19-May-09	FLOW-RATE-REGULATED BURST SWITCHES
16006RO	US	12/427,106	8,031,598	Granted	21-Apr-09	4-Oct-11	FLOW-RATE-REGULATED BURST SWITCHES
16015BA	US	10/864,146	8,687,485	Granted	9-Jun-04	1-Apr-14	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	14-Jul-09	METHOD AND APPARATUS FOR PROVIDING NETWORK VPN SERVICES ON DEMAND
16021D	US	10/645,438	8,010,807	Granted	21-Aug-03	30-Aug-11	MANAGEMENT OF QUEUES IN CONTACT CENTRES
16027BA	US	10/686,071	7,577,736	Granted	15-Oct-03	18-Aug-09	NETWORK ACCOUNTING STATISTICS COLLECTION
16039RO	US	10/732,532	7,409,020	Granted	11-Dec-03	5-Aug-08	TECHNIQUE FOR FILTER-ENHANCED CLOCK SYNCHRONIZATION
16040RO	US	10/682,625	7,289,440	Granted	9-Oct-03	30-Oct-07	BIMODAL BURST SWITCHING
16040RO	US	11/858,373	7,756,141	Granted	20-Sep-07	13-Jul-10	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
16053D	US	10/447,909	7,330,463	Granted	28-May-03	12-Feb-08	ENTERPRISE VOICE OVER INTERNET PROTOCOL (VOIP) VIRTUAL PRIVATE NETWORK (VPN)
16056RR	US	10/701,716	7,477,734	Granted	4-Nov-03	13-Jan-09	PACKET SWITCHING DIALING PLAN INTERFACE TO/FROM PSTN NETWORKS
16064AB	US	10/688,642	7,369,546	Granted	17-Oct-03	6-May-08	METHOD AND APPARATUS FOR FAST DTMF DETECTION
16065RO	US	10/701,767	7,174,002	Granted	5-Nov-03	6-Feb-07	METHOD AND APPARATUS FOR ASCERTAINING THE CAPACITY OF A NETWORK SWITCH
16066RO	US	11/002,398	7,639,678	Granted	2-Dec-04	29-Dec-09	MULTIMODAL DATA SWITCH
16075D	US	10/675,162	7,593,388	Granted	30-Sep-03	22-Sep-09	CONVERTOR SHARED BY MULTIPLE VIRTUAL PRIVATE NETWORKS

Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	
Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	
16083RO	US	10/741,988	8,019,841	Granted	19-Dec-03	13-Sep-11	ZONING FOR DISTANCE PRICING AND NETWORK ENGINEERING IN CONNECTIONLESS AND CONNECTION-ORIENTED NETWORKS
16085RO	US	10/883,206	7,423,980	Granted	1-Jul-04	9-Sep-08	FULL MESH STATUS MONITOR
16085RO	US	12/190,146	7,646,732	Granted	12-Aug-08	12-Jan-10	FULL MESH STATUS MONITOR
16100ID	US	10/674,139	7,568,041	Granted	29-Sep-03	28-Jul-09	METHODS AND APPARATUS FOR SELECTING A MEDIA PROXY
16118RO	US	10/819,309	7,359,647	Granted	6-Apr-04	15-Apr-08	METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING POWER OVER OPTICAL FIBER
16162RN	US	10/723,841	8,407,777	Granted	26-Nov-03	26-Mar-13	SOCKS TUNNELING FOR FIREWALL TRAVERSAL
16162RN	US	13/804,239	#EMPTY	Filed	14-Mar-13	#EMPTY	SOCKS TUNNELING FOR FIREWALL TRAVERSAL
16164SS	US	10/678,704	7,359,993	Granted	3-Oct-03	15-Apr-08	METHOD AND APPARATUS FOR INTERFACING EXTERNAL RESOURCES WITH A NETWORK ELEMENT
16182RO	US	10/682,467	7,397,792	Granted	9-Oct-03	8-Jul-08	VIRTUAL BURST-SWITCHING NETWORKS
16182RO	US	12/135,526	7,889,723	Granted	9-Jun-08	15-Feb-11	VIRTUAL BURST SWITCHING NETWORKS
16192RR	US	10/746,419	7,894,581	Granted	24-Dec-03	22-Feb-11	CONVERGENCE OF CIRCUIT-SWITCHED VOICE AND PACKET-BASED MEDIA SERVICES
16192RR	US	10/746,432	7,899,164	Granted	24-Dec-03	1-Mar-11	CONVERGENCE OF CIRCUIT-SWITCHED VOICE AND PACKET-BASED MEDIA SERVICES
16205RN	US	10/794,675	8,484,348	Granted	5-Mar-04	9-Jul-13	METHOD AND APPARATUS FOR FACILITATING FULFILLMENT OF WEB SERVICE REQUESTS ON A COMMUNICATION NETWORK
16213RO	US	10/670,568	8,737,200	Granted	26-Sep-03	27-May-14	MPLS/IP PSEUDO-WIRE AND LAYER-2 VIRTUAL PRIVATE NETWORK RESILIENCY
16217RR	US	10/610,373	7,281,051	Granted	30-Jun-03	9-Oct-07	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR MANAGING RESOURCES IN A COMMUNICATION SYSTEM
16218RR	US	10/610,508	7,606,181	Granted	30-Jun-03	20-Oct-09	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR PROCESSING AUDIO INFORMATION IN A COMMUNICATION SYSTEM
16227RO	US	11/010,742	7,539,181	Granted	13-Dec-04	26-May-09	BALANCED BUFFERLESS SWITCH
16227RO	US	12/427,067	8,139,570	Granted	21-Apr-09	20-Mar-12	BALANCED BUFFERLESS SWITCH
16248RN	US	10/606,687	7,899,174	Granted	26-Jun-03	1-Mar-11	EMERGENCY SERVICES FOR PACKET NETWORKS
16248RN	US	13/021,134	8,737,594	Granted	4-Feb-11	27-May-14	EMERGENCY SERVICES FOR PACKET NETWORKS
16259RR	US	10/878,274	7,477,806	Granted	28-Jun-04	13-Jan-09	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
16367RO	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	Granted	29-Dec-03	29-May-12	APPARATUS AND METHOD FOR LAYER-2 AND LAYER-3 VPN DISCOVERY
16392RO	US	13/473,181	#EMPTY	Filed	16-May-12	#EMPTY	APPARATUS AND METHOD FOR LAYER-2 AND LAYER-3 VPN DISCOVERY
16399RO	US	10/721,335	7,613,179	Granted	26-Nov-03	3-Nov-09	TECHNIQUE FOR TRACING SOURCE ADDRESSES OF PACKETS
16404RO	US	10/772,433	7,697,881	Granted	6-Feb-04	13-Apr-10	PARALLELIZABLE INTEGRITY-AWARE ENCRYPTION TECHNIQUE
16404RO	US	12/750,086	8,503,670	Granted	30-Mar-10	6-Aug-13	PARALLELIZABLE INTEGRITY-AWARE ENCRYPTION TECHNIQUE
16407BA	US	10/794,104	7,492,932	Granted	5-Mar-04	17-Feb-09	METHOD AND APPARATUS FOR PROCESSING MEDICAL IMAGE DATA IN A NETWORK ENVIRONMENT
16422BA	US	10/891,982	7,493,040	Granted	15-Jul-04	17-Feb-09	METHOD AND APPARATUS FOR SECURING FIBER IN AN OPTICAL NETWORK
16422BA	US	12/350,333	8,000,601	Granted	8-Jan-09	16-Aug-11	METHOD AND APPARATUS FOR SECURING FIBER IN AN OPTICAL NETWORK
16423RO	US	10/739,299	7,917,649	Granted	19-Dec-03	29-Mar-11	TECHNIQUE FOR MONITORING SOURCE ADDRESSES THROUGH STATISTICAL CLUSTERING OF PACKETS
16428RR	US	10/705,274	7,324,506	Granted	10-Nov-03	29-Jan-08	USING DSL SERVICES TO FACILITATE REAL-TIME COMMUNICATIONS IN ENTERPRISE NETWORKS
16431RO	US	10/682,472	7,359,396	Granted	9-Oct-03	15-Apr-08	OPTICAL-CORE NETWORK WITH SELECTIVE SIGNAL QUEUEING
16438RO	US	10/744,769	8,819,265	Granted	22-Dec-03	26-Aug-14	MANAGING FLOW CONTROL BUFFER
16439RO	US	10/740,763	8,312,145	Granted	22-Dec-03	13-Nov-12	TRAFFIC ENGINEERING AND BANDWIDTH MANAGEMENT OF BUNDLED LINKS
16439RO	US	13/659,763	8,463,916	Granted	24-Oct-12	11-Jun-13	TRAFFIC ENGINEERING AND BANDWIDTH MANAGEMENT OF BUNDLED LINKS

App. No.	App. Title	App. No.	App. Title	App. No.	App. Title	App. No.	App. Title
App. No.	App. Title	App. No.	App. Title	App. No.	App. Title	App. No.	App. Title
16440BA	US	10/842,591	7,426,580	Granted	10-May-04	16-Sep-08	SYSTEM AND METHOD FOR VIRTUALIZATION OF THE NETWORK MANAGEMENT AND CONTROL PLANES TO PROVIDE AN ABSTRACTED VIEW AND CONTROL OF UNDERLYING NETWORK RESOURCES
16460RO	US	10/742,039	7,814,222	Granted	19-Dec-03	12-Oct-10	QUEUE STATE MIRRORING
16471RO	US	10/740,416	7,581,093	Granted	22-Dec-03	25-Aug-09	HITLESS MANUAL CRYPTOGRAPHIC KEY REFRESH IN SECURE PACKET NETWORKS
16471RO	US	12/482,187	8,082,441	Granted	10-Jun-09	20-Dec-11	HITLESS MANUAL CRYPTOGRAPHIC KEY REFRESH IN SECURE PACKET NETWORKS
16471RO	US	13/299,997	8,631,228	Granted	18-Nov-11	14-Jan-14	HITLESS MANUAL CRYPTOGRAPHIC 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
16492D	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	7,567,861	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 TEMPORARY DIRECTORY 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	27-Jul-10	ETHERNET DIFFERENTIATED SERVICES
16572RO	US	10/868,568	8,804,728	Granted	15-Jun-04	12-Aug-14	ETHERNET DIFFERENTIATED SERVICES CONDITIONING
16572RO	US	10/868,607	7,843,925	Granted	15-Jun-04	30-Nov-10	ETHERNET DIFFERENTIATED SERVICES ARCHITECTURE
16572RO	US	12/939,304	#EMPTY	Filed	4-Nov-10	#EMPTY	ETHERNET DIFFERENTIATED SERVICES ARCHITECTURE
16572RO	US	12/939,304	8,687,633	Granted	4-Nov-10	1-Apr-14	ETHERNET DIFFERENTIATED SERVICES ARCHITECTURE
16582RO	US	10/885,279	8,116,286	Granted	6-Jul-04	14-Feb-12	COMBINED USER AGENT FOR PACKET-BASED COMMUNICATION CLIENTS
16582RO	US	13/327,829	8,320,349	Granted	16-Dec-11	27-Nov-12	COMBINED USER AGENT FOR PACKET-BASED COMMUNICATION CLIENTS
16585RO	US	10/804,740	7,866,681	Granted	19-Mar-04	16-Dec-08	METHOD AND APPARATUS FOR SENSOR NETWORK ROUTING
16591SC	US	10/902,639	7,680,263	Granted	29-Jul-04	16-Mar-10	AGENT DETECTOR, WITH OPTIONAL AGENT RECOGNITION AND LOG-IN CAPABILITIES, AND OPTIONAL PORTABLE CALL HISTORY STORAGE
16601RO	US	10/812,264	7,530,089	Granted	29-Mar-04	5-May-09	SYSTEM AND METHOD FOR IMPROVING VIDEO QUALITY USING A CONSTANT BIT RATE STREAM
16603RO	US	10/799,703	8,036,120	Granted	15-Mar-04	11-Oct-11	TECHNIQUE FOR ADMISSION CONTROL OF PACKET FLOWS
16603RO	US	13/269,667	8,531,948	Granted	10-Oct-11	10-Sep-13	TECHNIQUE FOR ADMISSION CONTROL OF PACKET FLOWS
16604RO	US	10/799,704	8,339,963	Granted	15-Mar-04	25-Dec-12	TECHNIQUE FOR END-TO-END ADMISSION CONTROL OF REAL-TIME PACKET FLOWS
16604RO	US	13/682,800	8,811,182	Granted	21-Nov-12	19-Aug-14	TECHNIQUE FOR END-TO-END ADMISSION CONTROL OF REAL-TIME PACKET FLOWS
16605RO	US	10/990,899	7,417,995	Granted	17-Nov-04	26-Aug-08	METHOD AND SYSTEM FOR FRAME RELAY AND ETHERNET SERVICE INTERWORKING
16605RO	US	11/008,709	7,333,508	Granted	9-Dec-04	19-Feb-08	METHOD AND SYSTEM FOR ETHERNET AND FRAME RELAY NETWORK INTERWORKING
16605RO	US	11/011,331	7,406,088	Granted	13-Dec-04	29-Jul-08	METHOD AND SYSTEM FOR ETHERNET AND ATM SERVICE INTERWORKING
16605RO	US	11/018,671	7,505,466	Granted	21-Dec-04	17-Mar-09	METHOD AND SYSTEM FOR ETHERNET TO ATM NETWORK INTERWORKING
16608AU	US	10/872,582	7,912,072	Granted	21-Jun-04	22-Mar-11	COMMUNICATION WITH A REMOTE DEVICE
16615RO	US	10/824,226	7,447,165	Granted	14-Apr-04	4-Nov-08	ADAPTIVE DIALING
16616D	US	10/940,459	7,580,630	Granted	14-Sep-04	25-Aug-09	SPECTRAL SHAPING FOR OPTICAL OFDM TRANSMISSION
16627SS	US	10/941,719	7,594,259	Granted	15-Sep-04	22-Sep-09	METHOD AND SYSTEM FOR ENABLING FIREWALL TRAVERSAL
16631RN	US	10/784,864	8,442,227	Granted	23-Feb-04	14-May-13	PROVIDING ADDITIONAL INFORMATION WITH SESSION REQUESTS
16655RO	US	10/900,369	8,139,602	Granted	28-Jul-04	20-Mar-12	SYSTEM, METHOD AND DEVICE FOR HIGH BIT RATE DATA COMMUNICATION OVER TWISTED PAIR CABLES
16655RO	US	13/399,456	8,644,332	Granted	17-Feb-12	4-Feb-14	SYSTEM, METHOD AND DEVICE FOR HIGH BIT RATE DATA COMMUNICATINO OVER TWISTED PAIR CABLES
16667RO	US	10/821,090	7,480,730	Granted	8-Apr-04	20-Jan-09	CREDIT RECOVERY IN A CREDIT BASED FLOW CONTROL SYSTEM
16670ID	US	10/593,108	#EMPTY	Filed	6-Apr-05	#EMPTY	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS
16670ID	US	11/169,718	8,422,500	Granted	30-Jun-05	16-Apr-13	VLAN SUPPORT OF DIFFERENTIATED SERVICES
16670ID	US	12/196,909	8,194,668	Granted	22-Aug-08	5-Jun-12	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

Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No
Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No
Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No
16991D	US	10/964,466	8,291,044	Granted	13-Oct-04	16-Oct-12	BROKERING NETWORK RESOURCES
16991D	US	13/652,109	8,738,741	Granted	15-Oct-12	27-May-14	BROKERING NETWORK RESOURCES
16992D	US	10/975,066	7,333,827	Granted	13-Oct-04	19-Feb-08	RESTRICTED DISSEMINATION OF TOPOLOGY INFORMATION IN A COMMUNICATION NETWORK
17024MD	US	11/142,125	7,586,848	Granted	1-Jun-05	8-Sep-09	ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17024MD	US	12/512,363	8,179,800	Granted	30-Jul-09	15-May-12	ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17024MD	US	13/459,645	8,498,209	Granted	30-Apr-12	30-Jul-13	ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17024MD	US	13/933,305	8,913,500	Granted	2-Jul-13		ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17024MD	US	14/300,516	#EMPTY	Filed	10-Jun-14		ELASTIC TRAFFIC MARKING FOR MULTI-PRIORITY PACKET STREAMS IN A COMMUNICATIONS NETWORK
17028RR	US	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	US	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	US	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	US	13/012,522	#EMPTY	Filed	24-Jan-11	#EMPTY	CROSS-CONNECT USING ETHERNET MULTIPLEXORS FOR A SIMPLE METRO ETHERNET NETWORK
17049ID	US	10/955,496	7,471,669	Granted	30-Sep-04	30-Dec-08	ROUTING OF PROTOCOL DATA UNITS WITHIN A COMMUNICATION NETWORK
17078SC	US	10/994,542	7,756,259	Granted	22-Nov-04	13-Jul-10	ENHANCED CALLER IDENTIFICATION USING CALLER READABLE DEVICES
17078SC	US	12/784,596	8,194,835	Granted	21-May-10	5-Jun-12	ENHANCED CALLER IDENTIFICATION USING CALLER READABLE DEVICES
17078SC	US	13/475,480	8,873,724	Granted	18-May-12	28-Oct-14	ENHANCED CALLER IDENTIFICATION USING CALLER READABLE DEVICES
17095RN	US	11/313,898	8,745,181	Granted	21-Dec-05	3-Jun-14	GENERIC SNMP INFORMATION COLLECTION
17104RO	US	10/926,294	7,197,213	Granted	26-Aug-04	27-Mar-07	SYSTEM AND METHOD FOR CONTROLLING DEFLECTION OF OPTICAL BEAMS
17105RO	US	10/925,943	7,245,798	Granted	26-Aug-04	17-Jul-07	APPARATUS FOR REDIRECTING OPTICAL SIGNALS IN FREE SPACE
17115RO	US	11/220,126	7,573,826	Granted	6-Sep-05	11-Aug-09	DARWINIAN NETWORK
17134SS	US	11/159,065	8,855,122	Granted	22-Jun-05	7-Oct-14	BACKBONE PROVIDER BRIDGING NETWORKS
17161RO	US	11/167,883	8,289,964	Granted	27-Jun-05	16-Oct-12	LAYER-2 TO MPLS SERVICE MEDIATION ARCHITECTURE
17161RO	US	13/566,221	8,594,097	Granted	3-Aug-12	26-Nov-13	LAYER-2 TO MPLS SERVICE MEDIATION ARCHITECTURE
17163RO	US	11/024,692	8,718,057	Granted	30-Dec-04	6-May-14	ETHERNET LAN SERVICE ENHANCEMENTS
17164RR	US	10/954,049	8,477,605	Granted	29-Sep-04	2-Jul-13	PREVENTING ILLICIT COMMUNICATIONS
17173AB	US	11/316,268	8,464,210	Granted	22-Dec-05	11-Jun-13	SOFTWARE DEVELOPMENT AND TESTING ENVIRONMENT
17222D	US	11/010,908	7,639,633	Granted	13-Dec-04	29-Dec-09	APPARATUS AND METHOD FOR SETTING UP A CONFERENCE CALL
17234D	US	11/018,265	7,535,838	Granted	21-Dec-04	19-May-09	METHOD FOR DETERMINING RESOURCE USE IN A NETWORK
17245RN	US	10/960,259	7,533,418	Granted	7-Oct-04	12-May-09	TOKENS FOR CONTACT INFORMATION
17268ID	US	11/577,472	8,229,100	Granted	2-Jul-07	24-Jul-12	CALL PRIORITIZATION METHODS IN A CALL CENTER
17268ID	US	13/523,399	#EMPTY	Filed	14-Jun-12	#EMPTY	IMPROVEMENTS IN OR RELATING TO CALL PRIORITISATION METHODS IN A CALL CENTER
17273RO	US	11/153,650	7,609,968	Granted	15-Jun-05	27-Oct-09	SECURE ANALOG COMMUNICATIONS SYSTEM USING TIME AND WAVELENGTH SCRAMBLING
17277RO	US	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	US	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	US	11/269,358	8,417,633	Granted	8-Nov-05	9-Apr-13	ENABLING IMPROVED PROTECTION OF CONSUMER INFORMATION IN ELECTRONIC TRANSACTIONS
17330RO	US	13/858,435	#EMPTY	Filed	8-Apr-13	#EMPTY	METHOD AND APPARATUS ENABLING IMPROVED PROTECTION OF CONSUMER INFORMATION IN ELECTRONIC TRANSACTIONS
17376RO	US	11/262,664	8,315,255	Granted	31-Oct-05	20-Nov-12	PSEUDO WIRE MERGE FOR IPTV
17386RO	US	11/287,131	8,036,956	Granted	23-Nov-05	11-Oct-11	SECURE, DIFFERENTIATED READING OF SENSORS AND RFID TAGS
17386RO	US	13/245,156	8,401,933	Granted	26-Sep-11	19-Mar-13	SECURE DIFFERENTIATED READING OF SENSORS AND RFID TAGS
17396RO	US	11/526,548	8,428,071	Granted	25-Sep-06	23-Apr-13	SCALABLE OPTICAL-CORE NETWORK
17425RO	US	11/211,158	7,519,053	Granted	24-Aug-05	14-Apr-09	MULTI-SPEED ROTORSWITCH
17474RO	US	11/280,615	8,464,299	Granted	16-Nov-05	11-Jun-13	RESOURCE CONSERVATION FOR PACKET TELEVISION SERVICES
17476RO	US	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	US	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	US	11/236,230	7,813,409	Granted	27-Sep-05	12-Oct-10	SECURE NETWORK USING ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SPREAD SPECTRUM COMMUNICATIONS
17510SS	US	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	US	12/685,505	8,130,845	Granted	11-Jan-10	6-Mar-12	METHOD AND ARCHITECTURE FOR A SCALABLE APPLICATION AND SECURITY SWITCH USING MULTI-LEVEL LOAD BALANCING
17510SS	US	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	US	11/814,290	8,045,492	Granted	19-Jul-07	25-Oct-11	DYNAMIC ESTABLISHMENT OF VIRTUAL CIRCUITS USING MULTI-SEGMENT PSEUDOWIRES
17518RO	US	13/275,956	8,787,218	Granted	18-Oct-11	22-Jul-14	DYNAMIC ESTABLISHMENT OF VIRTUAL CIRCUITS USING MULTI-SEGMENT PSEUDOWIRES
17519RO	US	11/315,715	7,590,110	Granted	22-Dec-05	15-Sep-09	BALANCED HIGH-CAPACITY SWITCH
17542RO	US	11/377,128	8,687,628	Granted	16-Mar-06	1-Apr-14	SCALABLE BALANCED SWITCHES
17559RN	US	11/268,845	8,756,326	Granted	8-Nov-05	17-Jun-14	USING INTERACTIVE COMMUNICATION SESSIONS COOKIES IN WEB SESSIONS
17570RO	US	11/271,939	7,623,446	Granted	14-Nov-05	24-Nov-09	MPLS VIRTUAL RINGS

Pub. No.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.
Pub. No.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.	Pub. No. Int'l.
17620BA	US	11/241,612	7,869,442	Granted	30-Sep-05	11-Jan-11	METHOD AND APPARATUS FOR SPECIFYING IP TERMINATION IN A NETWORK ELEMENT
17620BA	US	11/646,693	7,643,496	Granted	28-Dec-06	5-Jan-10	APPLICATION SPECIFIED STEERING POLICY IMPLEMENTATION
17624RO	US	11/242,029	7,406,060	Granted	4-Oct-05	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	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	15-Apr-14	METHOD AND APPARATUS FOR DETECTING A FAULT ON AN OPTICAL FIBER
17661RO	US	11/303,990	#EMPTY	Filed	19-Dec-05	#EMPTY	COMPACT FLOATING POINT DELTA ENCODING FOR COMPLEX DATA
17685SS	US	11/265,759	7,707,269	Granted	2-Nov-05	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	19-Jun-12	PROVIDING IMPROVED POST-DIAL DELAY AT AN ORIGINATING TERMINAL
17692RR	US	11/388,379	8,902,879	Granted	24-Mar-06	2-Dec-14	GENERATING A COMFORT INDICATOR AT AN ORIGINATING TERMINAL
17692RR	US	13/523,275	8,848,612	Granted	14-Jun-12	30-Sep-14	PROVIDING IMPROVED POST-DIAL DELAY AT AN ORIGINATING TERMINAL
17700RR	US	11/313,338	8,233,384	Granted	21-Dec-05	31-Jul-12	GEOGRAPHIC REDUNDANCY IN COMMUNICATION NETWORKS
17717RO	US	11/338,118	7,995,569	Granted	23-Jan-06	9-Aug-11	VIRTUAL ROUTERS FOR GMPLS NETWORKS
17724RO	US	11/172,100	7,590,210	Granted	30-Jun-05	15-Sep-09	METHOD AND APPARATUS FOR SYNCHRONIZATION INTERNAL STATE OF FREQUENCY GENERATORS ON A COMMUNICATIONS NETWORK
17735RO	US	11/262,665	8,331,360	Granted	31-Oct-05	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	21-Apr-09	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS
17743HU	US	11/325,064	8,369,329	Granted	3-Jan-06	5-Feb-13	DYNAMIC HIERARCHICAL ADDRESS RESOURCE MANAGEMENT ARCHITECTURE, METHOD AND APPARATUS
17769RO	US	11/526,789	8,327,427	Granted	25-Sep-06	4-Dec-12	SYSTEM AND METHOD FOR TRANSPARENT SINGLE SIGN-ON
17775ID	US	11/223,246	8,498,297	Granted	26-Aug-05	30-Jul-13	FORWARDING TABLE MINIMISATION IN ETHERNET SWITCHES
17780ID	US	11/264,634	7,697,528	Granted	1-Nov-05	13-Apr-10	MULTILINK TRUNKING FOR ENCAPSULATED TRAFFIC
17786RO	US	11/303,989	#EMPTY	Filed	19-Dec-05	#EMPTY	METHOD AND SYSTEM FOR ENHANCING COLLABORATION
17790RO	US	11/239,111	7,639,631	Granted	30-Sep-05	29-Dec-09	PARALLEL CONSTRAINT BASED PATH COMPUTATION USING PATH VECTOR
17791RO	US	11/481,826	7,787,828	Granted	7-Jul-06	31-Aug-10	DOUBLE PHASE ENCODING QUANTUM KEY DISTRIBUTION
17792RO	US	11/280,428	8,161,549	Granted	17-Nov-05	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	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	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	19-Aug-14	METHOD AND APPARATUS FOR INCREASING THE SCALABILITY OF THE ETHERNET OAM
17812BA	US	14/267,365	#EMPTY	Filed	1-May-14	#EMPTY	METHOD AND APPARATUS FOR INCREASING THE SCALABILITY OF ETHERNET OAM
17815RO	US	11/481,906	7,760,883	Granted	7-Jul-06	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	17-Apr-12	PROTECTION SWITCHING WITH TRANSMITTER COMPENSATION FUNCTION
17816RO	US	13/446,278	8,682,179	Granted	13-Apr-12	25-Mar-14	PROTECTION SWITCHING WITH TRANSMITTER COMPENSATION FUNCTION
17816RO	US	14/177,865	8,879,904	Granted	11-Feb-14	4-Nov-14	PROTECTION SWITCHING WITH TRANSMITTER COMPENSATION FUNCTION
17829RO	US	11/304,019	8,045,475	Granted	15-Dec-05	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	27-Aug-13	METHOD AND APPARATUS FOR PROVIDING AVAILABILITY METRICS FORMEASUREMENT AND MANAGEMENT OF ETHERNET SERVICES
17833RO	US	11/479,694	8,369,330	Granted	30-Jun-06	5-Feb-13	PROVIDER BACKBONE BRIDGING- PROVIDER BACKBONE TRANSPORT INTERNETWORKING
17833RO	US	13/715,421	8,553,697	Granted	14-Dec-12	8-Oct-13	PROVIDER BACKBONE BRIDGING - PROVIDER BACKBONE TRANSPORT INTERNETWORKING
17838RO	US	11/305,979	7,467,069	Granted	19-Dec-05	16-Dec-08	METHOD AND APPARATUS FOR EXTRACTING INFORMATION FROM AN ARRAY OF HAZARDOUSMATERIAL SENSORS
17842RO	US	11/311,102	8,146,157	Granted	19-Dec-05	27-Mar-12	METHOD AND APPARATUS FOR SECURE TRANSPORT AND STORAGE OF SURVEILLANCE VIDEO
17842RO	US	13/429,483	#EMPTY	Filed	26-Mar-12	#EMPTY	METHOD AND APPARATUS FOR SECURE TRANSPORT AND STORAGE OF SURVEILLANCE VIDEO
17856RO	US	12/790,937	8,180,056	Granted	31-May-10	15-May-12	METHODS AND SYSTEMS FOR COMMUNICATING OVER A QUANTUM CHANNEL
17861RO	US	11/289,182	8,199,743	Granted	29-Nov-05	12-Jun-12	ENHANCED SERVICES FOR A POTS LINE
17865RO	US	11/312,613	#EMPTY	Filed	20-Dec-05	#EMPTY	INITIATING OUTGOING CALLS TO A VOP TERMINAL FROM A POTS BASED TELEPHONE TERMINAL
17884RR	US	11/438,565	7,620,390	Granted	22-May-06	17-Nov-09	ESTABLISHING A CALL SESSION DURING AN ADVERTISEMENT TIME PERIOD
17899RO	US	11/533,940	7,769,405	Granted	21-Sep-06	3-Aug-10	HIGH-SPEED DIGITAL SIGNAL PROCESSING IN A COHERENT OPTICAL NETWORK
17910RN	US	11/316,430	7,587,831	Granted	22-Dec-05	8-Sep-09	FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT
17910RN	US	12/509,528	8,233,591	Granted	27-Jul-09	31-Jul-12	FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT
17910RN	US	13/539,801	8,705,517	Granted	2-Jul-12	22-Apr-14	FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT
17913ID	US	11/343,996	7,756,035	Granted	31-Jan-06	13-Jul-10	PLANNING ROUTES AND ALLOCATING IDENTIFIERS TO ROUTES IN A MANAGED FRAME-FORWARDING NETWORK
17913ID	US	12/752,228	8,238,245	Granted	1-Apr-10	7-Aug-12	PLANNING ROUTES AND ALLOCATING IDENTIFIERS TO ROUTES IN A MANAGED FRAME-FORWARDING NETWORK
179225C	US	11/291,300	7,292,121	Granted	1-Dec-05	6-Nov-07	RF COMBINING DEVICE AND METHOD
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

Pub No	App No	Pub No	App No	Pub No	App No	Pub No	App No	Pub No	App No	Pub No	App No	Pub No	App No
Pub No	App No	Pub No	App No	Pub No	App No	Pub No	App No	Pub No	App No	Pub No	App No	Pub No	App No
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	US	12/006,151	8,559,412	Granted		31-Dec-07	15-Oct-13	COMMUNICATION TIME INFORMATION IN A NETWORK TO ENABLE SYNCHRONIZATION					
18898RO	US	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	US	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					
189558A	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 QUEUEING					
18970RO	US	13/169,504	8,711,871	Granted		27-Jun-11	29-Apr-14	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUEING					
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 FREQUENCY GENERATORS 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 VPLS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK					
19065RN	US	13/004,979	#EMPTY	Filed		12-Jan-11	#EMPTY	IMPLEMENTATION OF IP VPLS 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 CONTROLLED 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	24-Apr-12	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	US	13/922,843	8,891,439	Granted		20-Jun-13	18-Nov-14	METHOD FOR OPERATING MULTI-DOMAIN PROVIDER ETHERNET NETWORKS					
19270RR	US	13/383,971	8,862,119	Granted		13-Jan-12	14-Oct-14	METHOD AND APPARATUS FOR TELECOMMUNICATIONS NETWORK PERFORMANCE ANOMALY EVENTS DETECTION AND NOTIFICATION					
19271IN	US	12/638,556	8,893,260	Granted		15-Dec-09	18-Nov-14	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT					
19277RO	US	12/260,558	7,924,836	Granted		29-Oct-08	12-Apr-11	BREAK BEFORE MAKE FORWARDING INFORMATION BASE (FIB) POPULATION FOR MULTICAST					
19277RO	US	13/048,614	8,331,367	Granted		15-Mar-11	11-Dec-12	BREAK BEFORE MAKE FORWARDING INFORMATION BASE (FIB) POPULATION FOR MULTICAST					
19277RO	US	13/667,547	8,644,313	Granted		2-Nov-12	4-Feb-14	BREAK BEFORE MAKE FORWARDING INFORMATION BASE (FIB) POPULATION FOR MULTICAST					
19311RO	US	12/340,174	8,270,290	Granted		19-Dec-08	18-Sep-12	RESILIENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSB) NETWORKS					
19311RO	US	13/586,620	8,861,335	Granted		15-Aug-12	14-Oct-14	RESILIENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSB) NETWORKS					
19311RO	US	14/195,320	#EMPTY	Filed		3-Mar-14	#EMPTY	RESILIENT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLSB) NETWORKS					
19318RO	US	13/185,676	#EMPTY	Filed		19-Jul-11	#EMPTY						
19318RO	US	13/185,676	8,630,167	Granted		19-Jul-11	14-Jan-14	DISTRIBUTED FAILURE RECOVERY IN A ROUTED ETHERNET NETWORK					
19329ID	US	12/334,013	8,565,244	Granted		12-Dec-08	22-Oct-13	RESILIENT PROVIDER LINK STATE BRIDGING (PLSB) VIRTUAL PRIVATE LAN SERVICE (VPLS) INTERWORKING					
19337BA	US	12/418,919	8,494,313	Granted		6-Apr-09	23-Jul-13	MONITORING EDC POLARIZATION INVERSE FILTER COEFFICIENTS TO IDENTIFY REAL-TIME PHYSICAL INTRUSION INTO A CORE OR METRO OPTICAL NETWORK					
19355RO	US	12/344,010	8,339,438	Granted		24-Dec-08	25-Dec-12	WEB BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS					
19355RO	US	13/713,880	#EMPTY	Filed		13-Dec-12	#EMPTY	WEB BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS					
19363RO	US	12/394,405	7,948,885	Granted		27-Feb-09	24-May-11	LINK BUNDLE CO-ROUTED VCAT VIA RSVP MESSAGE BUNDLING					
19363RO	US	13/098,270	8,593,961	Granted		29-Apr-11	26-Nov-13	LINK BUNDLE CO-ROUTED VCAT VIA RSVP MESSAGE BUNDLING					
19405RO	US	12/168,688	8,842,076	Granted		7-Jul-08	23-Sep-14	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING					
19412RO	US	12/412,743	#EMPTY	Filed		27-Mar-09	#EMPTY	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIPLEXED PASSIVE OPTICAL NETWORKS (WDM PONS)					
19412RO	US	13/434,365	8,340,524	Granted		29-Mar-12	25-Dec-12	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIPLEXED PASSIVE OPTICAL NETWORKS (WDM PONS)					
19422RO	US	12/345,186	8,050,404	Granted		29-Dec-08	1-Nov-11	BANDWIDTH 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	11-Jun-13	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL					
19431RO	US	12/276,623	7,941,531	Granted		24-Nov-08	10-May-11	AGE BIASED DISTRIBUTED COLLISION RESOLUTION WITHOUT CLOCKS					

Pub No.	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US
Pub No.	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US	Pub No. in US
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-Oct-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	Granted		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	Granted		25-Jun-12	3-Dec-13	MOBILE FAST ALERTING	
19681RR	US	12/831,496	8,320,334	Granted		7-Jul-10	27-Nov-12	HANDOFF OF A MOBILE STATION BETWEEN PACKET-SWITCHED AND CIRCUIT-SWITCHED WIRELESS DOMAINS	
19681RR	US	13/666,197	#EMPTY	Filed		1-Nov-12	#EMPTY	HANDOFF OF A MOBILE STATION BETWEEN PACKET-SWITCHED AND CIRCUIT-SWITCHED WIRELESS DOMAINS	
19681RR	US	13/666,201	#EMPTY	Filed		1-Nov-12	#EMPTY	HANDOFF OF A MOBILE STATION BETWEEN PACKET-SWITCHED AND CIRCUIT-SWITCHED WIRELESS DOMAINS	
19697ID	US	12/958,470	#EMPTY	Filed		2-Dec-10	#EMPTY	DUAL MODE BASE STATION	
19699RO	US	12/347,314	7,995,621	Granted		31-Dec-08	9-Aug-11	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING	
19699RO	US	13/162,242	8,675,686	Granted		16-Jun-11	18-Mar-14	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING	
19702RO	US	12/487,407	8,184,648	Granted		18-Jun-09	22-May-12	METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF MULTIPLE PHYSICALLY DUAL HOMED DEVICES	
19702RO	US	13/471,712	8,649,259	Granted		15-May-12	11-Feb-14	METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF MULTIPLE PHYSICALLY DUAL HOMED DEVICES	
19747BA	US	12/412,589	8,811,388	Granted		27-Mar-09	19-Aug-14	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
19757ID	US	13/513,875	8,818,406	Granted		14-Aug-12	26-Aug-14	TDOA BASED POSITIONING WITH CALCULATION OF CORRECTION FACTORS FOR COMPENSATING THE CLOCK OFFSETS OF UNSYNCHRONIZED NETWORK STATIONS	
19769RO	US	13/131,932	8,889,656	Granted		31-May-11	16-Jul-13	FREQUENCY AGILE FILTER USING A DIGITAL FILTER AND BANDSTOP FILTERING	
19776RO	US	12/575,190	8,270,319	Granted		7-Oct-09	18-Sep-12	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
19785RO	US	13/131,918	8,385,871	Granted		31-May-11	26-Feb-13	FREQUENCY AGILE FILTER USING A DIGITAL FILTER AND BANDSTOP FILTERING	
19785RO	US	13/751,599	8,909,185	Granted		28-Jan-13	9-Dec-14	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY	
19802IY	US	12/518,636	8,763,088	Granted		12-Dec-07	24-Jun-14	DISTRIBUTED AUTHENTICATION, AUTHORIZATION AND ACCOUNTING	
19838BA	US	12/490,180	8,064,458	Granted		23-Jun-09	22-Nov-11	METHOD AND APPARATUS FOR SIMULATING IP MULTINETTING	
19838BA	US	13/286,241	8,699,492	Granted		1-Nov-11	15-Apr-14	METHOD AND APPARATUS FOR SIMULATING IP MULTINETTING	
19842SS	US	13/256,503	8,842,677	Granted		14-Sep-11	23-Sep-14	METHODS AND SYSTEMS FOR PROVIDING A LOGICAL NETWORK LAYER FOR DELIVERY OF INPUT/OUTPUT DATE	
19847RO	US	12/429,210	8,224,946	Granted		24-Apr-09	17-Jul-12	METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESS	
19941RO	US	12/574,872	8,248,925	Granted		7-Oct-09	21-Aug-12	METHOD AND APPARATUS FOR SELECTING BETWEEN MULTIPLE EQUAL COST PATHS	
19941RO	US	13/589,372	8,750,820	Granted		20-Aug-12	10-Jun-14	METHOD AND APPARATUS FOR SELECTING BETWEEN MULTIPLE EQUAL COST PATHS	
19983RO	US	12/720,935	8,634,491	Granted		10-Mar-10	21-Jan-14	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS	
BA0162	US	09/247,915	6,556,565	Granted		11-Feb-99	29-Apr-03	INTERNET PROTOCOL (IP) TELECOMMUNICATION	
BA0171	US	09/501,074	6,931,029	Granted		9-Feb-00	16-Aug-05	SYSTEM AND METHOD FOR SYNCHRONIZING WITH DATA RECEIVED OVER AN UNRELIABLE ASYNCHRONOUS MEDIUM	
BA0019	US	08/473,070	5,715,396	Granted		7-Jun-95	3-Feb-98	METHOD FOR PROVIDING FOR AUTOMATIC TOPOLOGY DISCOVERY IN AN ATM NETWORK OR THE LIKE	
BA0044	US	08/477,265	5,708,772	Granted		7-Jun-95	13-Jan-98	NETWORK TOPOLOGY DETERMINATION BY DISSECTING UNITARY CONNECTIONS AND DETECTING NON-RESPONSIVE NODES	
BA0058	US	08/342,856	5,745,897	Granted		21-Nov-94	28-Apr-98	METHOD AND SYSTEM FOR COMPILING MANAGEMENT INFORMATION BASE SPECIFICATIONS	
BA0066	US	08/630,384	5,850,397	Granted		10-Apr-96	15-Dec-98	METHOD FOR DETERMINING THE TOPOLOGY OF A MIXED-MEDIA NETWORK	
BA0074	US	08/411,442	5,583,862	Granted		28-Mar-95	10-Dec-96	METHOD AND APPARATUS FOR ROUTING FOR VIRTUAL NETWORKS	
BA0075	US	08/566,047	5,983,327	Granted		1-Dec-95	9-Nov-99	DATA PATH ARCHITECTURE AND ARBITRATION SCHEME FOR PROVIDING ACCESS TO A SHARED SYSTEM RESOURCE	
BA0075	US	09/291,851	6,408,367	Granted		14-Apr-99	18-Jun-02	DATA PATH ARCHITECTURE AND ARBITRATION SCHEME FOR PROVIDING ACCESS TO A SHARED SYSTEM RESOURCE	
BA0085	US	08/858,776	6,192,397	Granted		19-May-97	20-Feb-01	METHOD FOR ESTABLISHING A MASTER-SLAVE RELATIONSHIP IN A PEER-TO-PEER NETWORK	
BA0091	US	08/501,483	5,732,080	Granted		12-Jul-95	24-Mar-98	METHOD AND APPARATUS FOR CONTROLLING DATA FLOW WITHIN A SWITCHING DEVICE	
BA0100	US	08/758,189	6,229,787	Granted		25-Nov-96	8-May-01	MECHANISM TO ACHIEVE VERY FAST FALLOVER IN ATM BACKBONE NETWORKS USING MULTI-HOMED CIRCUITS	
BA0104	US	08/538,921	5,790,554	Granted		4-Aug-98	4-Aug-98	METHOD AND APPARATUS FOR PROCESSING DATA PACKETS IN A NETWORK	
BA0106	US	08/636,664	5,970,502	Granted		23-Apr-96	9-Oct-99	METHOD AND APPARATUS FOR SYNCHRONIZING MULTIPLE COPIES OF A DATABASE	
BA0108	US	08/937,450	6,256,295	Granted		25-Sep-97	3-Jul-01	METHOD AND APPARATUS FOR DETERMINING MULTIPLE MINIMALLY-OVERLAPPING PATHS BETWEEN NODES IN A NETWORK	
BA0109	US	08/683,863	5,699,347	Granted		18-Jul-96	16-Dec-97	METHOD AND APPARATUS FOR ROUTING PACKETS IN NETWORKS HAVING CONNECTION-ORIENTED SUBNETWORKS	
BA0109	US	08/700,313	5,633,866	Granted		19-Aug-96	27-May-97	METHOD AND APPARATUS FOR ROUTING PACKETS IN NETWORKS HAVING CONNECTION-ORIENTED SUBNETWORKS	
BA0110	US	08/647,295	5,854,899	Granted		9-May-96	29-Dec-98	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	

Pub. No.	App. No.	Pub. Date	Pub. No.	App. No.	Pub. Date	Pub. No.	App. No.	Pub. Date	Pub. No.	App. No.	Pub. Date
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	27-Apr-99		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	30-Nov-99		METHOD OF PERFORMING A NETWORK MANAGEMENT TRANSACTION USING A WEB-CAPABLE AGENT
BA0128	US	09/405,824	6,393,475	Granted				24-Sep-99	21-May-02		METHOD OF PERFORMING A NETWORK MANAGEMENT TRANSACTION USING A WEB-CAPABLE AGENT
BA0130	US	08/624,021	5,774,667	Granted				27-Mar-96	30-Jun-98		METHOD AND APPARATUS FOR MANAGING PARAMETER SETTINGS FOR MULTIPLE NETWORK DEVICES
BA0141	US	08/746,963	5,914,938	Granted				19-Nov-96	22-Jun-99		MAC ADDRESS TABLE SEARCH UNIT
BA0144	US	08/868,784	5,935,268	Granted				4-Jun-97	10-Aug-99		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 QUEUEING 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 QUEUEING CONFIGURATIONS
BA0153	US	08/661,311	5,881,246	Granted				12-Jun-96	9-Mar-99		SYSTEM FOR GENERATING EXPLICIT ROUTING ADVERTISEMENTS TO SPECIFY A SELECTED PATH THROUGH A CONNECTIONLESS NETWORK TO A DESTINATION BY A SPECIFIC ROUTER
BA0153	US	08/661,312	5,985,503	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	14-Sep-99		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	15-Sep-98		MEMORY ARCHITECTURE FOR A LOCAL AREA NETWORK MODULE IN AN ATM SWITCH
BA0160	US	08/679,090	5,802,056	Granted				12-Jul-96	1-Sep-98		CONFIGURATION OF VIRTUAL RINGS IN A TOKEN RING LOCAL AREA NETWORK
BA0162	US	08/822,848	6,247,054	Granted				24-Mar-97	12-Jun-01		METHOD AND APPARATUS FOR REDIRECTING PACKETS USING ENCAPSULATION
BA0168	US	08/944,688	5,987,516	Granted				7-Oct-97	16-Nov-99		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	15-Aug-00		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	14-Aug-01		METHOD AND APPARATUS FOR ROUTING DATA USING ROUTER IDENTIFICATION INFORMATION
BA0178	US	09/073,902	6,212,228	Granted				6-May-98	3-Apr-01		APPARATUS FOR MODULATING AND DEMODULATING DIGITAL DATA
BA0180	US	09/012,127	6,330,613	Granted				22-Jan-96	11-Dec-01		METHOD FOR DYNAMICALLY DOWNLOADING A SOFTWARE IMAGE TO A DIGITAL PROCESSING SYSTEM
BA0181	US	08/421,612	5,608,728	Granted				13-Apr-95	4-Mar-97		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	3-Dec-02		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	21-Aug-01		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	3-Jun-03		METHOD AND APPARATUS FOR ROUTING TRAFFIC WITHIN A NETWORK UTILIZING LINEAR OPTIMIZATION
BA0191	US	09/460,275	6,678,279	Granted				13-Dec-99	13-Jan-04		SYSTEM AND METHOD TO IMPLEMENT A PACKET SWITCH BUFFER FOR UNICAST AND MULTICAST DATA
BA0192	US	09/107,087	6,418,476	Granted				29-Jun-98	9-Jul-02		METHOD FOR SYNCHRONIZING NETWORK ADDRESS TRANSLATOR (NAT) TABLES USING THE OPEN SHORTEST PATH FIRST OPAQUE LINK STATE ADVERTISEMENT OPTION 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	24-Apr-01		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
BA0212	US	09/108,468	6,185,570	Granted				1-Jul-98	6-Feb-01		METHOD AND APPARATUS FOR PERFORMING RADIX LOOKUPS USING TRANSITION BITS AND FIELDS IN TRANSITION TABLES COMPRESSED RADIX LOOKUPS USING TRANSITION TABLES
BA0212	US	09/108,469	6,247,014	Granted				1-Jul-98	12-Jun-01		METHOD AND APPARATUS FOR PERFORMING HASH LOOKUPS USING VALID BIT TABLES WITH POINTERS
BA0212	US	09/108,711	6,223,174	Granted				1-Jul-98	24-Apr-01		METHOD AND APPARATUS FOR PERFORMING RADIX LOOKUPS USING VALID BIT TABLES WITH POINTERS
BA0212	US	09/108,751	6,233,574	Granted				1-Jul-98	15-May-01		METHOD AND APPARATUS FOR PERFORMING RADIX LOOKUPS USING TRANSITION TABLES WITH POINTERS
BA0215	US	09/195,573	6,608,816	Granted				18-Nov-98	19-Aug-03		METHOD AND APPARATUS FOR PROVIDING DIFFERENTIATED SERVICES USING A MULTI-LEVEL QUEUEING MECHANISM
BA0215	US	10/241,088	6,944,128	Granted				10-Sep-02	13-Sep-05		METHOD AND APPARATUS FOR PROVIDING DIFFERENTIATED SERVICES USING A MULTI-LEVEL QUEUEING 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
BA0222	US	09/469,982	6,907,008	Granted				21-Dec-99	14-Jun-05		METHOD FOR A NETWORK DEVICE INSERTED BETWEEN POINT TO POINT CONNECTED STATIONS TO AUTOMATICALLY NEGOTIATE COMMUNICATION PARAMETERS BETWEEN THE STATIONS
BA0223	US	09/108,113	6,441,931	Granted				30-Jun-98	27-Aug-02		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	23-Sep-03		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	26-Mar-02		METHOD AND APPARATUS FOR SECURE DATA STORAGE USING DISTRIBUTED DATABASES
BA0232	US	09/145,050	6,141,680	Granted				1-Sep-98	31-Oct-00		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	6-Aug-02		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	24-Jan-06		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	16-Sep-03		METHOD AND APPARATUS FOR THE PRIORITIZATION OF CONTROL PLANE TRAFFIC IN A ROUTER

Pub. No.	Pub. No. (US)	Pub. No. (Int'l)	Pub. No. (US)	Pub. No. (Int'l)	Pub. No. (US)	Pub. No. (Int'l)	Pub. No. (US)	Pub. No. (Int'l)	Pub. No. (US)	Pub. No. (Int'l)	Title
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-02				PROTOCOL
BA0264	US	09/270,930	6,873,618	Granted		16-Mar-99	29-Mar-05				MULTIPOINT 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	09/204,940	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 (INHHRP)
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	09/236,700	6,425,804	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
BA0355	US	09/473,103	7,076,559	Granted		28-Dec-99	11-Jul-06				SYSTEM, DEVICE, AND METHOD FOR ESTABLISHING LABEL SWITCHED PATHS ACROSS MULTIPLE AUTONOMOUS SYSTEMS
BA0356	US	10/771,201	6,987,727	Granted		3-Feb-04	17-Jan-06				AUTOMATIC PROTECTION SWITCHING USING LINK-LEVEL REDUNDANCY SUPPORTING MULTI-PROTOCOL LABEL SWITCHING
BA0356	US	11/188,989	8,134,917	Granted		25-Jul-05	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-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				APPARATUS 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	18-Mar-03				NETWORK DATA ROUTING PROTECTION CYCLES FOR AUTOMATIC PROTECTION SWITCHING
BA0361	US	10/351,780	7,486,615	Granted		27-Jan-03	3-Feb-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

Pub. No.	App. No.	Pub. Date	Pub. Status	Pub. Title	App. No.	Pub. Date	Pub. Status	Pub. Title
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-05	FAST PATH FORWARDING OF LINK STATE ADVERTISEMENTS
BA0404	US	09/458,403	6,871,235	Granted		10-Dec-99	22-Mar-05	FAST PATH FORWARDING OF LINK STATE ADVERTISEMENTS USING REVERSE PATH FORWARDING
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-05	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 ACCOUNTING 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	7,127,810	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-05	METHOD AND SYSTEM FOR ACCESSING LOW-LEVEL RESOURCES IN A NETWORK DEVICE
BA0449	US	09/634,046	6,772,205	Granted		8-Aug-00	3-Aug-04	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-05	APPARATUS AND METHOD OF REGENERATING A LOST AUDIO SEGMENT
BA0454	US	09/407,915	7,702,732	Granted		29-Sep-99	20-Apr-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	METHODS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET
BA0454	US	13/758,452	8,782,183	Granted		4-Feb-13	15-Jul-14	METHODS FOR AUTO-CONFIGURING A ROUTER ON AN IP SUBNET
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 ACCESS 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 SUPPRESS IDLE FAX SIGNALS
BA0483	US	09/678,762	6,820,128	Granted		3-Oct-00	16-Nov-04	METHOD AND APPARATUS OF PROCESSING PACKETS HAVING VARYING PRIORITIES BY ADJUSTING THEIR DROP FUNCTIONS ACCORDING TO A PREDEFINED FAIRNESS RELATIONSHIP
BA0484	US	09/672,114	6,760,306	Granted		27-Sep-00	6-Jul-04	METHOD FOR RESERVING NETWORK RESOURCES USING A HIERARCHICAL/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	7,089,409	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
FR0123	US	09/720,514	6,975,869	Granted		23-Jun-99	13-Dec-05	METHOD AND APPARATUS FOR SELECTING PARAMETERS IN A CELLULAR RADIO COMMUNICATION NETWORK ADAPTATION PARAMETRE RESEAU-FR9808150- PROCEDE ET 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

Pub No	App No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	
Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	
HQ0045	US	11/767,563	7,895,183	Granted		25-Jun-07	22-Feb-11	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	11/767,569	7,672,970	Granted		25-Jun-07	2-Mar-10	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	11/767,584	7,895,178	Granted		25-Jun-07	22-Feb-11	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	11/767,632	7,933,883	Granted		25-Jun-07	26-Apr-11	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	11/767,650	7,469,245	Granted		25-Jun-07	23-Dec-08	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	12/418,386	7,945,553	Granted		3-Apr-09	17-May-11	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/723,707	8,631,036	Granted		21-Dec-12	14-Jan-14	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/724,076	#EMPTY	Filed		21-Dec-12	#EMPTY	ASSOCIATIVE SEARCH ENGINE
HQ0045	US	13/724,147	8,645,351	Granted		21-Dec-12	4-Feb-14	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	30-Dec-03	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/DECOMMISSIONING TOOL
ID0499	US	09/194,004	6,144,783	Granted		30-Jul-97	7-Nov-00	OPTICAL MULTIPLEXER/DEMULTIPLEXER
ID0525	US	09/083,469	6,400,496	Granted		22-May-98	4-Jun-02	OPTICALLY AMPLIFIED WDM TRANSMISSION SYSTEM
ID0532	US	09/202,423	6,519,257	Granted		3-Jul-97	11-Feb-03	ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
ID0532	US	11/055,787	RE40398	Granted		10-Feb-05	24-Jun-08	ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
ID0532	US	11/759,494	8,547,849	Granted		7-Jun-07	1-Oct-13	ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
ID0533	US	09/230,011	6,785,532	Granted		25-Jul-97	31-Aug-04	POWER LINE COMMUNICATIONS
ID0535	US	09/230,009	6,317,031	Granted		25-Jul-97	13-Nov-01	POWER LINE COMMUNICATIONS
ID0553	US	09/254,901	6,597,708	Granted		17-Oct-97	22-Jul-03	DIGITAL COMMUNICATIONS SYSTEM
ID0571	US	08/789,974	6,198,734	Granted		29-Jan-97	6-Mar-01	ADAPTIVE RADIO COMMUNICATIONS SYSTEM
ID0584	US	08/975,014	6,163,525	Granted		20-Nov-97	19-Dec-00	NETWORK RESTORATION
ID0604	US	08/864,789	6,282,170	Granted		29-May-97	28-Aug-01	NETWORK RESTORATION ROUTING OPTIMISATION
ID0613	US	08/865,492	6,229,633	Granted		29-May-97	8-May-01	OPTICAL SAMPLING BY MODULATING A PULSE TRAIN
ID0640	US	09/319,137	6,466,578	Granted		1-Dec-97	15-Oct-02	SCALABLE DATA NETWORK ROUTER
ID0657	US	08/882,453	6,128,589	Granted		26-Jun-97	3-Oct-00	METHOD AND APPARATUS FOR MODELLING A SYSTEM WHICH INCLUDES THE TRANSMISSION AND RECEPTION OF SIGNALS
ID0673	US	09/136,019	6,151,556	Granted		17-Sep-98	21-Nov-00	METHOD AND APPARATUS FOR PHASE DETECTION IN DIGITAL SIGNALS
ID0679	US	09/015,675	6,310,996	Granted		29-Jan-98	30-Oct-01	WRITING BRAGG GRATINGS IN OPTICAL WAVEGUIDES
ID0694	US	09/341,584	6,574,223	Granted		13-Jul-99	3-Jun-03	ADAPTATION LAYER SWITCHING
ID0701	US	09/010,387	6,477,566	Granted		21-Jan-98	5-Nov-02	METHOD AND SYSTEM OF PROVIDING IMPROVED NETWORK MANAGEMENT DATA BETWEEN A PLURALITY OF NETWORK ELEMENTS AND A MANAGEMENT SYSTEM FOR INCREASING A FLOW AND DECREASING AN AMOUNT OF DATA TRANSFER

Pub. No.	App. No.	App. Title	App. No.	Pub. No.	App. No.	App. Title	
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	24-Jun-03	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
ID0889	US	10/230,050	6,704,326	Granted	28-Aug-02	9-Mar-04	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
ID0895	US	09/072,811	6,308,174	Granted	5-May-98	23-Oct-01	METHOD AND APPARATUS FOR MANAGING A COMMUNICATIONS NETWORK BY STORING MANAGEMENT INFORMATION ABOUT TWO OR MORE CONFIGURATON STATES OF THE NETWORK
ID0897	US	09/010,475	6,408,163	Granted	21-Jan-98	18-Jun-02	METHOD AND APPARATUS FOR REPLICATING OPERATIONS ON DATA
ID0931	US	09/165,053	6,175,671	Granted	1-Oct-98	16-Jan-01	PHOTONIC CRYSTAL WAVEGUIDE ARRAYS
ID0933	US	09/157,234	6,563,539	Granted	18-Sep-98	13-May-03	CHARGE TRANSFER CIRCUIT FOR USE IN IMAGING SYSTEMS
ID0935	US	09/135,967	6,271,952	Granted	18-Aug-98	7-Aug-01	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
ID1089	US	09/219,005	6,353,636	Granted	23-Dec-98	5-Mar-02	SYMBOL ALIGNMENT METHOD
ID1097	US	09/206,597	6,925,054	Granted	7-Dec-98	2-Aug-05	NETWORK PATH DETECTION
ID1101	US	09/358,977	6,515,778	Granted	22-Jul-99	4-Feb-03	POLARIZATION MODE DISPERSION COMPENSATION
ID1102	US	09/281,490	6,522,626	Granted	30-Mar-99	18-Feb-03	POWER LINE COMMUNICATIONS SYSTEM AND METHOD OF OPERATION THEREOF

Patent No.	App. No.	Pub. No.	Pub. Date	App. No.	Pub. No.	Pub. Date	App. No.	Pub. No.	Pub. Date	App. No.	Pub. No.	Pub. Date
ID1112	US 09/342,362	6,577,627	Granted			29-Jun-99	10-Jun-03					SERVICE SELECTION ON IP ACCESS NETWORKS
MM0100	US 09/122,433	6,434,156	Granted			24-Jul-98	13-Aug-02					VIRTUAL SWITCHING FOR INTERCONNECTED NETWORKS
MM0103	US 08/666,800	5,790,641	Granted			19-Jun-96	4-Aug-98					SYSTEM AND METHOD FOR IMPROVING FACSIMILE DELAY TOLERANCES
MM0103	US 09/059,635	5,949,661	Granted			13-Apr-98	7-Sep-99					SYSTEM AND METHOD FOR IMPROVING PROTOCOL DELAY TOLERANCES
MM0104	US 08/634,927	6,298,057	Granted			19-Apr-96	2-Oct-01					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	17-Aug-99					SYSTEM AND METHOD FOR TRANSMITTING AURAL INFORMATION BETWEEN A COMPUTER AND TELEPHONE EQUIPMENT
MO0144	US 08/398,264	5,583,359	Granted			3-Mar-95	10-Dec-96					CAPACITOR STRUCTURE FOR AN INTEGRATED CIRCUIT AND METHOD OF FABRICATION THEREOF
MO0146	US 08/764,367	6,077,715	Granted			12-Dec-96	20-Jun-00					FERROELECTRIC DIELECTRIC FOR INTEGRATED CIRCUIT APPLICATIONS AT MICROWAVE FREQUENCIES
MO0160	US 08/948,034	5,831,992	Granted			9-Oct-97	3-Nov-98					METHODS AND APPARATUS FOR FAULT DIAGNOSIS IN SELF-TESTABLE SYSTEMS
MO0162	US 08/595,116	5,753,945	Granted			1-Feb-96	19-May-98					INTEGRATED CIRCUIT STRUCTURE COMPRISING A ZIRCONIUM TITANIUM OXIDE BARRIER LAYER AND METHOD OF FORMING A ZIRCONIUM TITANIUM OXIDE BARRIER LAYER
MO0175	US 08/743,898	5,844,436	Granted			6-Nov-96	1-Dec-98					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	17-Nov-98					ELECTRONIC PACKAGE
MO0201	US 09/054,440	6,058,144	Granted			3-Apr-98	2-May-00					MULTI GB/S DATA PULSE RECEIVER
RC1016	US 09/295,652	6,493,351	Granted			21-Apr-99	10-Dec-02					COLLISION DETECTION ON A DIFFERENTIAL BUS
RC1025	US 09/295,714	6,625,163	Granted			21-Apr-99	23-Sep-03					COLLISION DETECTION ON A DIFFERENTIAL BUS
RG1025	US 09/361,854	6,563,926	Granted			27-Jul-99	13-May-03					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	3-Apr-01					INTERNET-BASED TELEPHONE CALL MANAGER
RM1081	US 09/401,521	6,189,747	Granted			22-Sep-99	29-May-12					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	6,185,265	Granted			18-Dec-97	6-Feb-01					SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSIVE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THE INTERNET
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	21-May-02					NETWORK INTERCONNECTED COMPUTING DEVICE, SERVER AND NOTIFICATION METHOD
RM1137	US 09/144,110	6,253,249	Granted			31-Aug-98	26-Jun-01					EXAMINER AMENDED TITLE TO READ "TELEPHONE NETWORK SYSTEM HAVING GATEWAY FOR FORWARDING 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
RM1138	US 09/144,109	6,393,122	Granted			31-Aug-98	21-May-02					METHOD AND DEVICE FOR PROVIDING INTERMEDIATE TELEPHONE SERVICE WITH ENHANCED NETWORK RELIABILITY
RM1139	US 10/227,413	6,801,952	Granted			26-Aug-02	5-Oct-04					METHOD AND DEVICES FOR PROVIDING NETWORK SERVICES FROM SEVERAL SERVERS
RM1143	US 09/184,030	6,240,449	Granted			2-Nov-98	29-May-01					METHOD AND APPARATUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETWORK DOMAINS
RM1044	US 08/686,353	5,910,306	Granted			25-Jun-96	8-Jun-99					DIGITAL SINGLE-FREQUENCY TONE DETECTION IN PRESENCE OF ALIASES
RM1048	US 09/202,898	6,735,168	Granted			25-Jun-97	11-May-04					METHOD AND ARCHITECTURE FOR PROVIDING TELEPHONY BETWEEN DATA NETWORKS AND PSTN
RM1050	US 08/954,468	6,148,068	Granted			20-Oct-97	14-Nov-00					SYSTEM FOR MANAGING AN AUDIO CONFERENCE
RM1057	US 08/873,875	5,995,557	Granted			12-Jun-97	30-Nov-99					TONE DETECTION WITH ALIASING BANDPASS FILTERS
RM1080	US 08/990,941	6,421,337	Granted			15-Dec-97	16-Jul-02					CONVERTING DEVICE FOR ALLEVIATING SWITCH CONGESTION CAUSED BY LONG HOLD TIMES FOR ON-LINE ACCESS CALLS
RM1082	US 09/039,579	6,618,587	Granted			16-Mar-98	9-Sep-03					METHOD AND SYSTEM FOR ASSIGNING MULTIPLE DIRECTORY NUMBERS (DN) TO A PERSONAL COMMUNICATION SYSTEM (PCS) TELEPHONE
RM1083	US 09/361,099	6,549,621	Granted			26-Jul-99	15-Apr-03					METHOD AND SYSTEM FOR INTEGRATING A COMPUTER AND A TELEPHONE
RM1104	US 09/129,724	6,222,911	Granted			5-Aug-98	24-Apr-01					PROGRAMMABLE ACCESS CARRIER SELECTION TERMINAL
RM1105	US 09/102,016	6,952,416	Granted			22-Jun-96	4-Oct-05					TREATMENTS IN A DISTRIBUTED COMMUNICATIONS SYSTEM
RM1111	US 09/153,021	6,219,805	Granted			15-Sep-98	17-Apr-01					METHOD AND SYSTEM FOR DYNAMIC RISK ASSESSMENT OF SOFTWARE SYSTEMS
RM1114	US 09/281,503	6,493,336	Granted			30-Mar-99	10-Dec-02					SYSTEM OPTIMIZED ALWAYS ON DYNAMIC INTEGRATED SERVICES DIGITAL NETWORK
RM1115	US 09/187,975	6,430,176	Granted			6-Nov-98	6-Aug-02					MULTIMEDIA CHANNEL MANAGEMENT THROUGH PSTN SIGNALING
RM1117	US 09/065,124	6,256,389	Granted			23-Apr-98	3-Jul-01					INTEGRATED TELECOMMUNICATION COLLABORATION SYSTEM

Patent No.	Applicant	Pub. No.	Pub. Date	Grant No.	Grant Date	Pub. No.	Pub. Date	Patent Title
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	METHODS AND SYSTEMS FOR CONTROLLING NETWORK GATEKEEPER MESSAGE PROCESSING
RN1156	US	10/454,208	6,907,462	Granted		4-Jun-03	14-Jun-05	NETWORK GATEKEEPER PRIORITIZING METHOD AND SYSTEM
RN1157	US	09/303,310	6,742,037	Granted		30-Apr-99	25-May-04	METHOD AND APPARATUS FOR DYNAMIC INFORMATION TRANSFER FROM A MOBILE TARGET TO A FIXED TARGET THAT TRACKS THEIR RELATIVE MOVEMENT AND 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-08	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-Oct-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		16-Apr-99	13-May-03	METHOD OF TRACING THE ROUTE OF VIRTUAL CONNECTIONS
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	08/634,408	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-Apr-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-Apr-04	RATE-CONTROLLED MULTI-CLASS HIGH-CAPACITY PACKET SWITCH
RO3119	US	10/741,375	6,876,629	Granted		19-Dec-03	5-Apr-05	RATE-CONTROLLED MULTI-CLASS HIGH-CAPACITY PACKET SWITCH
RO3123	US	08/817,000	5,894,298	Granted		14-Mar-97	13-Apr-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	6,005,334	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-Sep-00	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

Patent No.	Applicant	Pub. No.	Pub. Date	Grant No.	Grant Date	Pub. No.	Pub. Date	Patent Title
RO3292	US	08/934,672	5,939,901	Granted	22-Sep-97	17-Aug-99		SYNTHESIZABLE FLIP FLOP BASED PHASE FREQUENCY COMPARATOR FOR PHASE-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-00		ICONIZED 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	5,807,537	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 DELAY CALIBRATION
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		LINK
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	2-May-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-THREADED, 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
RO3559	US	09/223,004	6,557,056	Granted	30-Dec-98	29-Apr-03		METHOD AND APPARATUS FOR EXCHANGING DATA BETWEEN TRANSACTIONAL AND NON-TRANSACTIONAL INPUT/OUTPUT SYSTEMS IN A MULTI-PROCESSING, SHARED MEMORY ENVIRONMENT
RO3559	US	10/390,734	6,757,756	Granted	19-Mar-03	29-Jun-04		METHOD AND APPARATUS FOR EXCHANGING DATA BETWEEN TRANSACTIONAL AND NON-TRANSACTIONAL INPUT/OUTPUT SYSTEMS IN A MULTI-PROCESSING, SHARED MEMORY ENVIRONMENT
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 RELAY/TRANSLATION 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 BASE STATION TRANSCIVER
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	08/885,589	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 SYSTEMS OPERATING 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 EVENTS USING 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

Patent No.	Applicant	Inventor	Priority Date	Issue Date	Patent Status	Abstract	
RO3620	US	09/137,687	6,510,452	Granted	21-Aug-98	21-Jan-03	SYSTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON
RO3627	US	09/295,215	6,501,762	Granted	21-Apr-99	31-Dec-02	SCHEDULER IMPLEMENTING WEIGHTED FAIR QUEUING BY A WEIGHT LIMITED FIRST IN-FIRST OUT METHODOLOGY
RO3628	US	08/997,353	6,345,037	Granted	23-Dec-97	5-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-Feb-01	MULTIMEDIA CALL SIGNALLING SYSTEM AND METHOD
RO3653	US	09/567,030	6,826,184	Granted	8-May-00	30-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-Sep-00	METHODS FOR EQUALIZING WDM SYSTEMS
RO3655	US	09/559,562	6,219,162	Granted	27-Apr-00	17-Apr-01	METHODS FOR EQUALIZING WDM SYSTEMS
RO3661	US	09/085,226	6,080,930	Granted	27-May-98	27-Jun-00	ESD/EMC GASKET
RO3676	US	08/948,465	6,005,851	Granted	10-Oct-97	21-Dec-99	ADAPTIVE CHANNEL CONTROL FOR DATA SERVICE DELIVERY
RO3687	US	08/997,778	6,233,245	Granted	24-Dec-97	15-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-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-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-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-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-May-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-Oct-02	DATA ERROR CORRECTION SYSTEM
RO3717	US	09/217,898	6,519,255	Granted	22-Dec-98	11-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-Feb-03	TRANSMISSION SYSTEM FOR REDUCTION OF AMATEUR RADIO INTERFERENCE
RO3723	US	09/146,341	6,289,063	Granted	2-Sep-98	11-Sep-01	QAM RECEIVER WITH IMPROVED IMMUNITY TO CROSSTALK NOISE
RO3724	US	09/080,189	6,310,429	Granted	18-May-98	30-Oct-01	ACOUSTIC WAVE TRANSDUCER DEVICE
RO3725	US	09/168,928	6,037,846	Granted	9-Oct-98	14-Mar-00	SURFACE MOUNT EMI GASKET FILTER
RO3731	US	09/066,701	6,097,262	Granted	27-Apr-98	1-Aug-00	TRANSMISSION LINE IMPEDANCE MATCHING APPARATUS
RO3737	US	08/989,270	6,049,606	Granted	11-Dec-97	11-Apr-00	CIRCUIT AND METHOD OF DOUBLE TALK DETECTION FOR USE IN HANDSFREE TELEPHONE TERMINALS
RO3744	US	08/933,952	6,084,956	Granted	19-Sep-97	4-Jul-00	SS7 MEDIATION FOR DATA NETWORK CALL SETUP AND SERVICES INTERWORKING
RO3747	US	09/170,973	6,438,132	Granted	14-Oct-98	20-Aug-02	VIRTUAL PORT SCHEDULER
RO3750	US	09/105,469	6,359,884	Granted	26-Jun-98	19-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-Jan-01	METHOD AND APPARATUS FOR INHIBITING ECHO IN A CHANNEL OF A COMMUNICATION SYSTEM
RO3763	US	09/126,855	6,327,675	Granted	31-Jul-98	4-Dec-01	FAULT TOLERANT SYSTEM AND METHOD
RO3764	US	09/170,974	6,212,185	Granted	14-Oct-98	3-Apr-01	MULTIPLE NETWORK ADDRESS RESOLUTION
RO3776	US	09/219,316	6,701,382	Granted	23-Dec-98	2-Mar-04	NAME SERVICE FOR TRANSPARENT CONTAINER OBJECTS
RO3784	US	08/995,539	5,990,932	Granted	22-Dec-97	23-Nov-99	COLLABORATIVE SHARED SPACE
RO3797	US	09/307,356	7,068,641	Granted	7-May-99	27-Jun-06	TELEPHONY AND DATA NETWORK SERVICES AT A TELEPHONE
RO3797	US	11/300,997	7,660,295	Granted	15-Dec-05	9-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	30-Oct-98	29-Mar-05	METHODS AND DEVICES FOR ASYNCHRONOUS OPERATION OF A CDMA MOBILE COMMUNICATION SYSTEM
RO3809	US	09/050,924	6,466,586	Granted	31-Mar-98	15-Oct-02	DIGITAL SUBSCRIBER LINE FRAMING STRUCTURE SUPPORTING IMBEDDED RATE ADAPTIVE SYNCHRONOUS AND ASYNCHRONOUS TRAFFIC
RO3812	US	08/991,554	6,166,919	Granted	16-Dec-97	26-Dec-00	CASING MOUNTABLE FILLER MODULE
RO3815	US	09/148,154	6,389,034	Granted	4-Sep-98	14-May-02	SYSTEM FOR PROVIDING STREAM BASED AND PACKET BASED SERVICES
RO3816	US	09/002,113	6,262,998	Granted	31-Dec-97	17-Jul-01	PARALLEL DATA BUS INTEGRATED CLOCKING AND CONTROL
RO3816	US	09/875,202	7,061,938	Granted	7-Jun-01	13-Jun-06	PARALLEL DATA BUS INTEGRATED CLOCKING AND CONTROL
RO3821	US	09/034,905	6,194,949	Granted	4-Mar-98	27-Feb-01	DRIVER CIRCUIT FOR HIGH SPEED DATA
RO3823	US	09/031,647	6,236,726	Granted	27-Feb-98	22-May-01	TRANSMIT POWER SCALING FOR FAR-END CROSSTALK REDUCTION
RO3832	US	09/015,937	6,314,109	Granted	30-Jan-98	6-Nov-01	METHOD AND APPARATUS FOR ADDING OR AUGMENTING A NETWORK NODE
RO3837	US	09/076,633	6,240,150	Granted	12-May-98	29-May-01	METHOD AND APPARATUS FOR FILTERING INTERFERENCE IN A MODEM RECEIVER
RO3838	US	09/069,741	6,289,057	Granted	30-Apr-98	11-Sep-01	METHOD AND APPARATUS FOR ENERGY DETECTION IN A MODEM
RO3852	US	09/175,620	5,995,368	Granted	20-Oct-98	30-Nov-99	AIR FLOW DISTRIBUTION DEVICE FOR SHELF-BASED CIRCUIT CARDS
RO3854	US	09/181,823	7,027,430	Granted	29-Oct-98	11-Apr-06	COMMUNICATION NETWORK UTILIZING AUTONOMOUS SERVERS TO ESTABLISH COMMUNICATION SESSIONS
RO3868	US	09/221,794	6,483,836	Granted	28-Dec-98	19-Nov-02	ATM CONNECTION ACCELERATOR FOR USE IN COMMUNICATION NETWORKS
RO3895	US	09/028,520	6,019,338	Granted	23-Feb-98	1-Feb-00	TILT STAND FOR DESKTOP TERMINAL
RO3896	US	09/028,519	6,038,314	Granted	23-Feb-98	14-Mar-00	PLUG-IN ACCESSORIES
RO3897	US	09/040,272	6,219,679	Granted	18-Mar-98	17-Apr-01	ENHANCED USER-INTERACTIVE INFORMATION CONTENT BOOKMARKING
RO3905	US	09/026,434	6,226,380	Granted	19-Feb-98	1-May-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	9-Apr-98	18-Jul-00	STIFFENING ELEMENTS FOR A POLYMERIC TELEPHONE BASE

Report Number	Applicant Name	Applicant Address	Applicant City	Applicant State	Applicant Zip	Applicant Phone	Applicant Fax	Applicant Email	Applicant Website	Applicant Description
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
RO3995	US	09/041,128	6,351,771	Granted		12-Mar-98	26-Feb-02			DISTRIBUTED SERVICE NETWORK SYSTEM CAPABLE OF TRANSPARENTLY CONVERTING DATA FORMATS AND SELECTIVELY CONNECTING TO AN APPROPRIATE BRIDGE IN 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-03			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			METHOD 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	6,052,883	Granted		24-Feb-98	18-Apr-00			ADDRESS LOOKUP IN PACKET DATA COMMUNICATION NETWORK
RO4054	US	08/997,989	6,215,784	Granted		24-Dec-97	10-Apr-01			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-02			QOS BASED ROUTE DETERMINATION METHOD FOR COMMUNICATIONS NETWORKS
RO4069	US	09/208,980	6,301,244	Granted		11-Dec-98	9-Oct-01			QOS-ORIENTED ONE-TO-ALL ROUTE SELECTION METHOD FOR COMMUNICATION NETWORKS
RO4072	US	09/216,935	6,269,995	Granted		21-Dec-98	31-Jul-01			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-Apr-01			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			SCHEDULING 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
RO4115	US	09/028,512	6,104,807	Granted		23-Feb-98	15-Aug-00			DISPLAY-BASED ADD-ON MODULE
RO4120	US	09/206,277	6,930,998	Granted		7-Dec-98	16-Aug-05			HYBRID TDM AND ATM VOICE SWITCHING CENTRAL OFFICE AND METHOD OF COMPLETING INTER-OFFICE CALLS USING SAME
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 EQUALIZER 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

Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	Pub. No.	
Patent No.	Patent No.	Patent No.	Patent No.	Patent No.	Patent No.	Patent No.	Patent No.	
RO4225	US	09/071,345	6,667,956	Granted		1-May-98	23-Dec-03	MULTI-CLASS NETWORK
RO4226	US	09/186,643	6,480,803	Granted		6-Nov-98	12-Nov-02	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 SOLUTION 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	6,996,539	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 TELEPHONE 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	1-Apr-03	FREQUENCY RE-USE SCHEME FOR POINT TO MULTIPOINT RADIO COMMUNICATION
RO4373	US	09/222,926	6,330,550	Granted		30-Dec-98	11-Dec-01	CROSS-MEDIA NOTIFICATIONS FOR E-COMMERCE
RO4383	US	09/223,818	6,693,957	Granted		31-Dec-98	17-Feb-04	ADAPTIVE FRONT END FOR DISCRETE MULTITONE MODEM
RO4386	US	09/375,396	6,324,271	Granted		17-Aug-99	27-Nov-01	SYSTEM AND METHOD FOR AUTHENTICATION OF CALLER INFORMATION
RO4390	US	09/216,992	6,456,626	Granted		21-Dec-98	24-Sep-02	METHOD OF VIRTUAL CIRCUIT RECONNECTION WITHOUT LOSS OF CALL SESSION
RO4408	US	09/465,705	6,990,070	Granted		17-Dec-99	24-Jan-06	METHOD AND APPARATUS FOR ADJUSTING PACKET TRANSMISSION VOLUME FROM A SOURCE
RO4411	US	09/312,840	6,697,487	Granted		14-May-99	24-Feb-04	POWER CONTROL DATA DELIVERY CONSISTENCY IN COPPER PLANT
RO4419	US	09/475,722	6,490,392	Granted		30-Dec-99	3-Dec-02	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	24-Feb-04	LOCAL AREA NETWORK ACCESSORY FOR INTEGRATING USB CONNECTIVITY IN EXISTING NETWORKS
RO4432	US	09/386,215	6,721,332	Granted		31-Aug-99	13-Apr-04	USB NETWORKING ON A MULTIPLE ACCESS TRANSMISSION MEDIUM
RO4436	US	09/191,845	6,205,488	Granted		13-Nov-98	20-Mar-01	INTERNET PROTOCOL VIRTUAL PRIVATE NETWORK REALIZATION USING MULTI-PROTOCOL LABEL SWITCHING TUNNELS
RO4438	US	09/288,565	6,570,867	Granted		9-Apr-99	27-May-03	ROUTES AND PATHS MANAGEMENT
RO4441	US	09/189,992	6,317,239	Granted		12-Nov-98	13-Nov-01	OPTICAL REPEATERS FOR SINGLE- AND MULTI-WAVELENGTH OPERATION WITH DISPERSION EQUALIZATION
RO4456	US	09/429,712	6,574,749	Granted		29-Oct-99	3-Jun-03	RELIABLE DISTRIBUTED SHARED MEMORY
RO4460	US	10/216,397	7,043,159	Granted		12-Aug-02	9-May-06	BIDIRECTIONAL OPTICAL NETWORKS
RO4470	US	09/191,142	6,493,349	Granted		13-Nov-98	10-Dec-02	EXTENDED INTERNET PROTOCOL VIRTUAL PRIVATE NETWORK ARCHITECTURES
RO4487	US	10/147,810	6,697,554	Granted		20-May-02	24-Feb-04	ADAPTIVE OPTICAL WAVEGUIDE
RO4496	US	09/192,530	6,721,322	Granted		17-Nov-98	13-Apr-04	SYSTEM AND METHOD FOR ESTABLISHING DYNAMIC HIGH USAGE TRUNK GROUPS
RO4518	US	09/405,003	6,744,775	Granted		27-Sep-99	1-Jun-04	STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS
RO4518	US	10/747,077	6,944,131	Granted		29-Dec-03	13-Sep-05	STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS
RO4518	US	11/208,056	8,265,085	Granted		19-Aug-05	11-Sep-12	STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS
RO4518	US	13/599,461	8,837,497	Granted		30-Aug-12	16-Sep-14	STATE INFORMATION AND ROUTING TABLE UPDATES IN LARGE SCALE DATA NETWORKS
RO4522	US	09/395,734	6,760,391	Granted		14-Sep-99	6-Jul-04	METHOD AND APPARATUS FOR LINE RATE CONTROL IN A DIGITAL COMMUNICATIONS SYSTEM
RO4523	US	09/345,471	6,654,803	Granted		30-Jun-99	25-Nov-03	MULTI-PANEL ROUTE MONITORING GRAPHICAL USER INTERFACE, SYSTEM AND METHOD
RO4524	US	09/345,472	6,487,604	Granted		30-Jun-99	26-Nov-02	ROUTE MONITORING GRAPHICAL USER INTERFACE, SYSTEM AND METHOD
RO4525	US	09/420,424	6,633,312	Granted		19-Oct-99	14-Oct-03	METHOD AND APPARATUS FOR SELECTING NETWORK ENTITIES
RO4527	US	09/396,452	6,577,327	Granted		15-Sep-99	10-Jun-03	SYSTEM, METHOD AND GRAPHICAL USER INTERFACE FOR BUILDING VIRTUAL PRIVATE NETWORKS

Table with columns: Patent Number, App. No., Filing Date, Pub. No., Pub. Date, and Title. It lists various patents including 'CONNECTION INTEGRITY MONITOR FOR DIGITAL SELECTION CIRCUITS', 'METHOD AND APPARATUS FOR OPTICAL FREQUENCY DEMODULATION OF AN OPTICAL SIGNAL USING INTERFEROMETRY', and 'METHODS AND APPARATUS FOR PROVIDING COMMUNICATIONS TO TELECOMMUNICATIONS TERMINALS'.

Pub. No.	Pub. No. as Published	Pub. No.	Pub. Date	Pub. Status	Pub. Title	Pub. Title	Pub. Title	Pub. Title
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	09/196,063	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	4-Mar-03	16-Dec-98	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	6,739,638	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	METHOD 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	09/285,030	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	08/993,753	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 CRE'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-00	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-02	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	NETWORK RESOURCE CONSERVATION SYSTEM	
SN0210	US	09/207,938	6,519,242	Granted	9-Dec-98	11-Feb-03	APPARATUS 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	6,973,337	Granted	4-May-00	6-Dec-05	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	6,611,694	Granted	10-Dec-98	26-Aug-03	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 SERVICES/SUBSCRIBER	
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	

Patent No.	Applicant	Pub. No.	Pub. Date	Pub. Status	Pub. Date	Pub. Date	Pub. Title
SR0121	US	08/566,664	5,857,020	Granted	4-Dec-95	5-Jan-99	TIMED AVAILABILITY OF SECURED CONTENT PROVISIONED ON A STORAGE MEDIUM
SR0121	US	08/600,173	5,825,876	Granted	12-Feb-96	20-Oct-98	TIME BASED AVAILABILITY TO CONTENT OF A STORAGE MEDIUM
SR0126	US	08/667,831	5,802,474	Granted	20-Jun-96	1-Sep-98	DIRECTIONAL FREQUENCY ALLOCATION IN AN N=6 CELLULAR RADIO SYSTEM
SR0127	US	08/773,521	5,987,113	Granted	23-Dec-96	16-Nov-99	LONG DISTANCE PHONE TAG SERVICE
SR0128	US	08/865,698	6,078,650	Granted	30-May-97	20-Jun-00	TELEPHONE SYSTEM INTEGRATED TEXT BASED COMMUNICATION PROCESSES TO ENHANCE ACCESS FOR TDD AND/OR TTY DEVICES
SR0131	US	08/865,949	5,943,395	Granted	30-May-97	24-Aug-99	TELEPHONE APPARATUS, SYSTEMS, AND PROCESSES TO ENHANCE ACCESS FOR TDD AND/OR TTY DEVICES
SR0136	US	08/792,188	6,226,379	Granted	30-Jan-97	1-May-01	TELECOMMUNICATIONS FUNCTIONS MANAGEMENT SYSTEM PROVIDING DISTINCTIVE ALERTING BASED ON CALLER IDENTIFIER
SR0137	US	08/792,185	5,978,451	Granted	30-Jan-97	2-Nov-99	TELECOMMUNICATIONS FUNCTIONS MANAGEMENT SYSTEM PROVIDING SELECTIVE ALERTING BASED ON CALLER SELECTED OPTION
SR0138	US	08/792,184	6,263,071	Granted	30-Jan-97	17-Jul-01	TELECOMMUNICATIONS FUNCTIONS MANAGEMENT SYSTEM PROVIDING DISTINCTIVE ALERTING BASED ON CALLER SELECTED OPTION
SR0148	US	08/865,943	6,002,749	Granted	30-May-97	14-Dec-99	TELEPHONE SYSTEM INTEGRATED TEXT BASED COMMUNICATION APPARATUS AND SYSTEMS TO ESTABLISH COMMUNICATION LINKS TO TDD AND/OR TTY DEVICES AND OTHER TELEPHONE AND TEXT SERVER SYSTEMS
SR0149	US	08/865,699	5,940,475	Granted	30-May-97	17-Aug-99	TELEPHONE SYSTEM INTEGRATED TEXT BASED COMMUNICATION APPARATUS AND SYSTEM TO ENHANCE 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 HEURISTICALLY 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	15-Jun-99	SYSTEM AND METHOD FOR ATM CBR TIMING RECOVERY
SS0112	US	08/7746,230	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	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 LAYER FORMATS
SS0116	US	08/842,605	6,236,715	Granted	15-Apr-97	22-May-01	METHOD AND APPARATUS FOR USING THE CONTROL CHANNEL IN TELECOMMUNICATIONS SYSTEMS FOR VOICE DIALING
SS0125	US	09/001,510	6,266,404	Granted	31-Dec-97	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
SS0136	US	09/371,781	6,721,410	Granted	10-Aug-99	13-Apr-04	RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0136	US	10/625,493	7,627,102	Granted	23-Jul-03	1-Dec-09	RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0136	US	12/605,168	7,860,229	Granted	23-Oct-09	28-Dec-10	RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0136	US	12/950,749	8,442,199	Granted	19-Nov-10	14-May-13	RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0136	US	13/429,128	8,625,768	Granted	23-Mar-12	7-Jan-14	RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0136	US	13/429,142	8,542,811	Granted	23-Mar-12	24-Sep-13	RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0136	US	14/137,420	#EMPTY	Filed	20-Dec-13	#EMPTY	RECURSIVE IDENTIFICATION OF INDIVIDUALS FOR CASUAL COLLABORATIVE CONFERENCING
SS0159	US	09/224,548	6,449,269	Granted	31-Dec-98	10-Sep-02	PACKET VOICE TELEPHONY SYSTEM AND METHOD
SS0162	US	09/081,135	6,330,715	Granted	19-May-96	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	26-Apr-05	PRIVATE BRANCH EXCHANGE BUILT USING AN ATM NETWORK
SS0167	US	09/222,781	6,768,736	Granted	30-Dec-98	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	22-Jul-03	APPARATUS AND METHOD FOR OPTIMIZING MAX-MIN FAIR RATE CONTROL IN ABR SESSIONS
SS0188	US	09/222,782	6,778,538	Granted	30-Dec-98	17-Aug-04	VIRTUAL JUNCTIONS
SS0189	US	09/427,711	6,542,942	Granted	27-Oct-99	1-Apr-03	METHOD AND APPARATUS FOR PROCESSING CALLS ON A MULTIPROCESSOR COMMUNICATION SYSTEM
SS0189	US	10/351,272	6,865,624	Granted	24-Jan-03	8-Mar-05	METHOD AND APPARATUS FOR PROCESSING CALLS ON A MULTIPROCESSOR COMMUNICATION SYSTEM
SS0199	US	09/220,862	6,744,761	Granted	28-Dec-98	1-Jun-04	WORKFLOW MANAGER
SS0203	US	09/086,299	6,421,328	Granted	28-May-98	16-Jul-02	NEIGHBORHOOD LIST ASSIMILATION FOR CELL-BASED MICROSYSTEM
SS0233	US	09/383,867	6,694,019	Granted	26-Aug-99	17-Feb-04	METHOD AND APPARATUS FOR INFINITE RETURN LOSS HANDLER FOR NETWORK ECHO CANCELLER
ST0117	US	08/745,171	5,954,799	Granted	7-Nov-96	21-Sep-99	ACCESS TO TELECOMMUNICATIONS NETWORKS IN A MULTISERVICE ENVIRONMENT BY MAPPING AND EXCHANGING CONTROL MESSAGE BETWEEN CPE ADAPTORS AND ACCESS SERVER
ST0124	US	08/980,761	5,911,264	Granted	1-Dec-97	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	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	3-May-05	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	17-Jul-01	DIGITAL MULTITONE 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	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	25-Jan-00	METHOD AND APPARATUS FOR PERFORMING SPEECH RECOGNITION UTILIZING A SUPPLEMENTARY LEXICON OF FREQUENTLY USED ORTHOGRAPHIES
TM0045	US	09/165,120	6,295,540	Granted	2-Oct-98	25-Sep-01	ALIGNMENT OF TIRKS USING NETWORK MANAGER

Pub No	Pub Class	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	
TW0008	US	09/323,779	6,522,641	Granted		1-Jun-99	18-Feb-03	INTEGRATED DATA CENTRIC NETWORK (IDCA)
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-03	#EMPTY	METHOD, APPARATUS AND ARTICLE OF MANUFACTURE FOR WEB-BASED CONTROL OF A CALL SERVER
12155RX	US	09/702,931	#EMPTY	Inactive		31-Oct-00	#EMPTY	METHOD AND SYSTEM FOR CONNECTIVITY BETWEEN NETWORK LOCATIONS WITH DYNAMIC ADDRESSES
12155RX	US	13/633,269	#EMPTY	Inactive		2-Oct-12	#EMPTY	SECURE COMMUNICATIONS SESSIONS OVER A NETWORK
14830RO	US	10/013,678	#EMPTY	Inactive		13-Dec-01	#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	#EMPTY	TRAFFIC ENGINEERING IN FRAME-BASED CARRIER NETWORKS
18344RN	US	11/463,181	#EMPTY	Inactive		8-Aug-06	#EMPTY	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 DEVICE LINKED 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 DEVICE LINKED 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 DEVICE LINKED 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 DEVICE LINKED TO A SERVER AT AN INTERNET SITE
14994EP	US	09/336,225	6,115,741	Granted		16-Jul-99	5-Sep-00	SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVICE LINKED 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-95	TELECOMMUNICATIONS 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-Apr-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	5,786,514	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 TELECOMMUNICATION 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	08/880,054	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	08/671,930	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	6-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

Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	
Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	Pub No	
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
ID0702	US	08/961,970	5,970,185	Granted		31-Oct-97	19-Oct-99	OPTICAL SWITCHES, MODULATORS AND TRANSMITTERS
ID0716	US	08/942,189	5,930,439	Granted		1-Oct-97	27-Jul-99	FABRICATION OF POLARIZATION INSENSITIVE PLANAR LIGHTWAVE CIRCUITS
ID0760	US	08/980,504	6,130,918	Granted		1-Dec-97	10-Oct-00	METHOD AND APPARATUS FOR REDUCING THE PEAK TO AVERAGE RATIO IN A MULTICARRIER COMMUNICATION SYSTEM
ID0770	US	08/957,267	6,078,815	Granted		23-Oct-97	20-Jun-00	METHOD AND APPARATUS FOR ALLOCATING RADIO CHANNELS
ID0805	US	08/943,169	6,037,678	Granted		3-Oct-97	14-Mar-00	COUPLING COMMUNICATIONS SIGNALS TO A POWER LINE
ID0838	US	08/993,944	5,974,206	Granted		19-Dec-97	26-Oct-99	DISPERSION COMPENSATION WITH LOW POLARISATION MODE DISPERSION
ID0842	US	08/980,505	6,061,363	Granted		1-Dec-97	9-May-00	COMMUNICATIONS SYSTEM WITH LOAD SHARING COMMUNICATIONS INTERFACE
ID0843	US	08/991,272	6,069,947	Granted		16-Dec-97	30-May-00	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREFOR
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
ID1010	US	09/185,361	6,470,020	Granted		3-Nov-98	22-Oct-02	INTEGRATION OF STIMULUS SIGNALING PROTOCOL COMMUNICATION SYSTEMS AND MESSAGE PROTOCOL COMMUNICATION SYSTEMS
ID1062	US	09/153,393	5,991,269	Granted		15-Sep-98	23-Nov-99	EMC REDUCTION METHOD FOR XDSL MODEMS
MO0140	US	08/496,650	5,614,750	Granted		29-Jun-95	25-Mar-97	BURIED LAYER CONTACT FOR AN INTEGRATED CIRCUIT STRUCTURE AND METHOD OF FABRICATION THEREOF
MO0146	US	08/814,627	5,886,867	Granted		10-Mar-97	23-Mar-99	FERROELECTRIC DIELECTRIC FOR INTEGRATED CIRCUIT APPLICATIONS AT MICROWAVE FREQUENCIES
MO0147	US	08/680,286	5,789,303	Granted		11-Jul-96	4-Aug-98	A CAPACITOR FOR AN INTEGRATED CIRCUIT AND METHOD OF FORMATION THEREOF, AND A METHOD OF ADDING ON-CHIP CAPACITORS TO AN INTEGRATED CIRCUIT
MO0148	US	08/551,264	5,612,560	Granted		31-Oct-95	18-Mar-97	ELECTRODE STRUCTURE FOR FERROELECTRIC CAPACITORS FOR INTEGRATED CIRCUITS
MO0148	US	08/728,373	5,789,268	Granted		10-Oct-96	4-Aug-98	ELECTRODE STRUCTURE FOR FERROELECTRIC CAPACITORS FOR INTEGRATED CIRCUITS
RM1069	US	08/618,747	5,793,858	Granted		20-Mar-96	11-Aug-98	METHOD FOR IMPROVING CALL COMPLETION RATES IN TELEPHONY
RM1076	US	08/723,080	5,812,652	Granted		30-Sep-96	22-Sep-98	CENTRALIZED MANAGEMENT AND ALLOCATION OF BRIDGES IN A TELECOMMUNICATIONS NETWORK FOR A MEET-ME CONFERENCE SERVICE
RM1084	US	08/723,081	5,812,653	Granted		30-Sep-96	22-Sep-98	SUBSCRIPTION AND PAIRED AUTHORIZATION CODE BASED ACCESS TO A MEET-ME CONFERENCE SERVICE
RM1086	US	08/822,618	5,930,348	Granted		20-Mar-97	27-Jul-99	DYNAMICALLY CONTROLLED ROUTING OF CALLS IN INTELLIGENT NETWORKS
RO2818	US	08/440,358	5,761,295	Granted		11-May-95	2-Jun-98	TELEPHONE INSTRUMENT AND METHOD FOR ALTERING AUDIBLE CHARACTERISTICS
RO2896	US	08/487,771	5,566,052	Granted		8-Jun-95	15-Oct-96	ELECTRONIC DEVICES WITH ELECTRONIC COMPONENTS CARRIED UPON A SUBSTRATE
RO2899	US	08/662,966	5,704,117	Granted		13-Jun-96	6-Jan-98	METHOD OF ASSEMBLING AN EMI SHIELD AROUND AN ELECTRONIC COMPONENT
RO2954	US	08/338,850	5,761,197	Granted		14-Nov-94	2-Jun-98	COMMUNICATIONS IN A DISTRIBUTION NETWORK
RO2962	US	08/385,419	5,563,970	Granted		8-Feb-95	8-Oct-96	TAPER SHAPES FOR ULTRALOW SIDELobe LEVELS IN DIRECTIONAL COUPLER FILTERS
RO2965	US	08/717,608	5,757,946	Granted		23-Sep-96	26-May-98	MAGNETIC FLUID LOUDSPEAKER ASSEMBLY WITH PORTED ENCLOSURE
RO2992	US	08/720,277	5,828,965	Granted		26-Sep-96	27-Oct-98	WIRELESS TELEPHONE HANDSET
RO2996	US	08/761,213	5,903,826	Granted		6-Dec-96	11-May-99	EXTREMELY HIGH FREQUENCY MULTIPoint FIXED-ACCESS WIRELESS COMMUNICATION SYSTEM
RO2998	US	08/551,470	5,710,849	Granted		1-Nov-95	20-Jan-98	TAPER SHAPES FOR FLATBAND RESPONSE AND SIDELobe SUPPRESSION IN GRATING ASSISTED OPTICAL COUPLER FILTERS
RO3001	US	08/548,304	5,668,900	Granted		1-Nov-95	16-Sep-97	TAPER SHAPES FOR SIDELobe SUPPRESSION AND BANDWIDTH MINIMIZATION IN DISTRIBUTED FEEDBACK OPTICAL REFLECTION FILTERS
RO3003	US	08/516,269	5,610,910	Granted		17-Aug-95	11-Mar-97	AN IMPROVED ACCESS TO TELECOMMUNICATIONS NETWORKS IN MULTISERVICE ENVIRONMENT
RO3010	US	08/723,649	5,861,649	Granted		3-Oct-96	9-Mar-99	ADMISSION CONTROL IN AN ATM SWITCHING NODE
RO3017	US	08/650,502	5,761,279	Granted		20-May-96	2-Jun-98	VISUAL CALLING PERSON DISPLAY
RO3048	US	08/548,716	5,745,486	Granted		26-Oct-95	28-Apr-98	HIGH CAPACITY ATM SWITCH
RO3061	US	08/630,642	5,809,491	Granted		10-Apr-96	15-Sep-98	CALL TRAFFIC BASED EXCEPTION GENERATING SYSTEM
RO3067	US	08/587,046	5,737,109	Granted		16-Jan-96	7-Apr-98	THERMAL DOWN MIXING IN DIODE LASER TRANSMITTERS TO SUPPRESS STIMULATED BRILLOUIN SCATTERING
RO3078	US	08/691,050	5,715,271	Granted		1-Aug-96	3-Feb-98	POLARIZATION INDEPENDENT GRATING RESONATOR FILTER
RO3112	US	08/773,905	5,899,981	Granted		27-Dec-96	4-May-99	METHOD AND SYSTEM FOR PROCESSING EXPENSE VOUCHERS
RO3120	US	08/694,124	5,796,818	Granted		8-Aug-96	18-Aug-98	DYNAMIC OPTIMIZATION OF HANDSFREE MICROPHONE GAIN
RO3125	US	08/719,302	5,722,845	Granted		19-Sep-96	3-Mar-98	ELECTRICAL CONNECTORS
RO3132	US	08/652,061	5,740,159	Granted		23-May-96	14-Apr-98	LOOPBACK MECHANISM FOR FRAME RELAY OAM
RO3143	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
RO3169	US	08/792,861	5,818,874	Granted		31-Jan-97	6-Oct-98	TRANSFORMERLESS DATA TRANSMISSION LINE DRIVER
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	09/086,798	6,002,860	Granted		29-May-98	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 BASED 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
RO3346	US	08/932,709	5,894,166	Granted		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
RO3625	US	08/998,223	6,597,684	Granted		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 NUMBER PORTABILITY

Pub. No.	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	
Pub. No.	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	Pub. No. (US)	
RR2226	US	08/948,443	6,044,141	Granted		10-Oct-97	8-Mar-00	METHOD AND SYSTEM FOR PROVIDING VIRTUAL AGENTS FOR TELEPHONY SERVICES
SC0030	US	08/715,823	5,937,058	Granted		19-Sep-96	10-Aug-99	COORDINATING TELEPHONES OR ADJUNCTS ON THE SAME LOOP
SC0051	US	08/837,975	5,966,432	Granted		14-Apr-97	12-Oct-99	REMOTE ANSWERING OF DOORBELL
SS0113	US	08/726,604	5,917,891	Granted		7-Oct-96	29-Jun-99	CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
SS0113	US	08/806,861	5,905,789	Granted		26-Feb-97	18-May-99	CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
ST0115	US	08/632,597	5,787,151	Granted		15-Apr-96	28-Jul-98	TELEPHONY BASED DELIVERY SYSTEM OF MESSAGES CONTAINING SELECTED GREETINGS
TM0037	US	08/413,556	5,646,678	Granted		30-Mar-95	8-Jul-97	DIGITAL VIDEO NETWORKS
ID0205	US	08/344,551	5,493,624	Granted		23-Nov-94	20-Feb-96	OPTICALLY INTEGRATED POLARISATION CONVERTER & CONTROLLER
MO0121	US	08/637,963	5,726,084	Granted		25-Apr-96	10-Mar-98	METHOD OF MAKING INTEGRATED CIRCUITS
RM1073	US	08/329,716	5,526,414	Granted		26-Oct-94	11-Jun-96	DYNAMICALLY CONTROLLED ROUTING USING VIRTUAL NODES
RO2863	US	08/354,599	5,615,257	Granted		13-Dec-94	25-Mar-97	SCREEN BASED TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONY SERVICE
RO2913	US	08/348,850	5,489,047	Granted		28-Nov-94	12-Mar-96	TELEVISION SIGNAL DISTRIBUTION NETWORK
RR1060	US	08/292,275	5,564,121	Granted		18-Aug-94	8-Oct-96	MICROCELL LAYOUT HAVING DIRECTIONAL AND OMNIDIRECTIONAL ANTENNAS DEFINING A RECTILINEAR LAYOUT IN A BUILDING
11471RN	US	09/684,828	7,227,931	Assigned Round 2				Method and system for providing enhanced caller identification
11471RN	US	09/684,828	6,178,232	Assigned Round 2				Method and system for providing enhanced caller identification
14233ST	US	09/515,784	6,438,215	Assigned Round 2				Method and system for filter based message processing in a unified messaging system
14233ST	US	10/183,283	6,782,079	Assigned Round 2				Method and system for filter based message processing in a unified messaging system
14233ST	US	10/923,440	Abandoned	Assigned Round 2				Method and system for filter based message processing in a unified messaging system
14234ST	US	09/515,030	6,487,278	Assigned Round 2				Method 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				Method 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				Method 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				Method and system for providing visual notification in a unified messaging system
14235ST	US	10/246,719	7,068,762	Assigned Round 2				Method and system for providing visual notification in a unified messaging system
14235ST	US	11/383,388	Abandoned	Assigned Round 2				Method and system for providing visual notification in a unified messaging system
RO2939	US	08/979,153	5,862,334	Assigned Round 2				Mediated access to an intelligent network
11590RN	US	08/649,436	5,850,606	Assigned Round 2				Method and system for transferring a cellular telephone call between intelligent cell sites
16037AB	US	10/892,020	7,619,995	Assigned Round 2				Transcoders and mixers for voice-over-IP conferencing
16037AB	US	12/587,591	8,077,636	Assigned Round 2				Transcoders and mixers for voice-over-IP conferencing
ID0158	US	08/155,466	5,454,109	Assigned Round 2				Data processing system with interface between application programs and external tools residing in separate environments
19979RO	US	12/690,196		Assigned Round 2				Method 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				Tracking 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				Tracking 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				Method of making a capacitor for an integrated circuit
MO0105	US	08/224,499	5,452,178	Assigned Round 1				Structure and method of making a capacitor for an integrated circuit
19075RO	US	12/114,252	8,473,638	Assigned Round 1				Method and apparatus for time and frequency transfer in communication networks
18751RO	US	07/897,477	5,388,124	Assigned Round 1				Encoding scheme for transmitting data using optimally-shaped constellations over intersymbol-interference channels
RO3204	US	09/078,509	6,052,420	Assigned Round 2				Adaptive multiple sub-band common mode RFI suppression
14234ST	US	11/651,335	8,687,773	RFX Added Rockstar Confirmed		1/8/2007	4/1/2014	Method and system for interfacing systems unified messaging with legacy systems located behind corporate firewalls
11471RN	US	11/789,658	8,139,732	RFX Added Rockstar Confirmed		4/25/2007	3/20/2012	Method and system for providing enhanced caller identification
19075RO	US	13/924,714		RFX Added Rockstar Confirmed		6/24/2013		METHOD AND APPARATUS FOR TIME AND FREQUENCY TRANSFER IN COMMUNICATION NETWORKS
	US	08/072,585	5,471,474	RFX Added Rockstar Confirmed		6/4/1993	11/28/1995	COMMUNICATIONS HIGHWAY NETWORK SYSTEM

10810D	FR		979753.1	240 758	granted	27-Nov-03	26-Mar-05	10810DPRO7T	ACQUINITY IN A PRESENCE MANAGEMENT SYSTEM
10810D	DE		979753.1	60039463	granted	27-Nov-03	26-Mar-05	10810DDE6ST	ACQUINITY IN A PRESENCE MANAGEMENT SYSTEM
10810D	CA		2,393,571		granted	27-Nov-03	14-Jul-05	10810DCA29N	ACQUINITY IN A PRESENCE MANAGEMENT SYSTEM
10811D	JP	2001-548991	HEMPHY	Filed	27-Nov-03	HEMPHY	10811DJP9V	PRESENCE MANAGEMENT SYSTEM USING CONTEXT INFORMATION	
10811D	JP	2014-086755	HEMPHY	Filed	27-Nov-03	HEMPHY	10811DJP9V	PRESENCE MANAGEMENT SYSTEM USING CONTEXT INFORMATION	
10811D	CA		2,394,217	2,394,217	granted	27-Nov-03	14-Jul-05	10811DCA29N	PRESENCE MANAGEMENT SYSTEM USING CONTEXT INFORMATION
108180	GB		3112293.8	1 109 154	granted	15-Dec-02	29-Jul-05	108180GB0ZE	LINEAR PREDICTIVE CODING-BASED ACOUSTIC ECHO CANCELLATION
108180	FR		3112293.8	1 109 154	granted	15-Dec-02	29-Jul-05	108180FR0ZE	LINEAR PREDICTIVE CODING-BASED ACOUSTIC ECHO CANCELLATION
108180	DE		3112293.8	60021045.8	granted	15-Dec-02	29-Jul-05	108180DE0ZE	LINEAR PREDICTIVE CODING-BASED ACOUSTIC ECHO CANCELLATION
108180	CA		2,328,006	2,328,006	granted	12-Dec-04	26-Nov-05	108180CA2ZU	LINEAR PREDICTIVE CODING-BASED ACOUSTIC ECHO CANCELLATION
10849D	GB		951761.8	2 210 800	granted	15-Aug-05	15-Jul-05	10849DGB0TE	URLINE TELEPHONE PROVISION FOR VOICE OVER A DIGITAL SUBSCRIBER LINE
10849D	FR		951761.8	2 210 800	granted	15-Aug-05	15-Jul-05	10849DFR0RE	URLINE TELEPHONE PROVISION FOR VOICE OVER A DIGITAL SUBSCRIBER LINE
10849D	DE		951761.8	60020653.2	granted	15-Aug-05	15-Jul-05	10849DDE0ZE	URLINE TELEPHONE PROVISION FOR VOICE OVER A DIGITAL SUBSCRIBER LINE
10849D	CA		2,382,063	2,382,063	granted	15-Aug-05	16-Oct-07	10849DCA29N	URLINE TELEPHONE PROVISION FOR VOICE OVER DIGITAL SUBSCRIBER LINE
10872D	GB		3997973	069 742	granted	13-Jul-04	12-Eve-07	10872DGB0E2	METHOD AND ARCHITECTURE TO SUPPORT MULTIPLE SERVICES IN LABEL SWITCHED NETWORKS
10872D	FR		3997973	069 742	granted	13-Jul-04	12-Eve-07	10872DFR0E2	METHOD AND ARCHITECTURE TO SUPPORT MULTIPLE SERVICES IN LABEL SWITCHED NETWORKS
10872D	DE		3997973	60037385.8	granted	13-Jul-04	12-Eve-07	10872DDE0E4	METHOD AND ARCHITECTURE TO SUPPORT MULTIPLE SERVICES IN LABEL SWITCHED NETWORKS
10872D	CA		2,313,504	2,313,504	granted	14-Jul-04	7-Eve-10	10872DCA2ZU	SUPPORTING MULTIPLE SERVICES IN LABEL SWITCHED NETWORKS
108839	GB		311368.8	1 111 892	granted	12-Dec-02	24-Oct-07	108839GB0E2	METHODS AND SYSTEMS FOR INTERNET PROTOCOL (IP) NETWORK SURVEILLANCE
108839	FR		311368.8	1 111 892	granted	12-Dec-02	24-Oct-07	108839FR0E2	METHODS AND SYSTEMS FOR INTERNET PROTOCOL (IP) NETWORK SURVEILLANCE
108839	DE		311368.8	1 111 892	granted	12-Dec-02	24-Oct-07	108839DE0E4	METHODS AND SYSTEMS FOR INTERNET PROTOCOL (IP) NETWORK SURVEILLANCE
10934D	EP		365571.7	HEMPHY	Filed	3-Jul-04	HEMPHY	10934DEPOE	DERIVATION OF EQUIVALENT BANDWIDTH OF AN INFORMATION FLOW
10944D	IT		310721.8	1 111 954	granted	1-Dec-04	6-Oct-10	10944DIT0TE	DISTRIBUTED OPTICAL SWITCHING DEVICE
10944D	GB		310721.8	1 111 954	granted	1-Dec-04	6-Oct-10	10944DGB0E2	DISTRIBUTED OPTICAL SWITCHING DEVICE
10944D	FR		310721.8	1 111 954	granted	1-Dec-04	6-Oct-10	10944DFR0E2	DISTRIBUTED OPTICAL SWITCHING DEVICE
10944D	DE		310721.8	60045065.5	granted	1-Dec-04	6-Oct-10	10944DDE0E4	DISTRIBUTED OPTICAL SWITCHING DEVICE
10944D	CA		2,238,534	2,238,534	granted	13-Dec-05	16-Feb-10	10944DCA2ZU	DISTRIBUTED OPTICAL SWITCHING DEVICE
109580	GB		9974225.7	238 339	granted	26-Nov-03	15-Aug-07	109580GB0E2	SYSTEM AND METHOD FOR COMMUNICATING DATA TO A CALL DESTINATION
109580	FR		9974225.7	238 339	granted	26-Nov-03	15-Aug-07	109580FR0E2	SYSTEM AND METHOD FOR COMMUNICATING DATA TO A CALL DESTINATION
109580	DE		9974225.7	6939885.5	granted	26-Nov-03	15-Aug-07	109580DE0E4	SYSTEM AND METHOD FOR COMMUNICATING DATA TO A CALL DESTINATION
10972D	GB		308279.9	096 739	granted	21-Sep-04	9-Jul-08	10972DGB0E2	TWO-WAY SESSION EMULATION ON MPLS NETWORKS
10972D	FR		308279.9	096 739	granted	21-Sep-04	9-Jul-08	10972DFR0E2	TWO-WAY SESSION EMULATION ON MPLS NETWORKS
10972D	DE		308279.9	60039384.3	granted	21-Sep-04	9-Jul-08	10972DDE0E4	TWO-WAY SESSION EMULATION ON MPLS NETWORKS
10972D	CA		2,321,505	2,321,505	granted	29-Sep-04	25-May-10	10972DCA2ZU	ESTABLISHING BIDIRECTIONAL COMMUNICATION SESSIONS ACROSS A COMMUNICATIONS NETWORK
110510	GB		186087.9	1 332 596	granted	25-Oct-04	24-Jul-08	110510GB0E2	SERVICE ENABLING TECHNOLOGY
110510	FR		186087.9	1 332 596	granted	25-Oct-04	24-Jul-08	110510FR0E2	SERVICE ENABLING TECHNOLOGY
110510	DE		186087.9	60132222	granted	25-Oct-04	24-Jul-08	110510DE0E4	SERVICE ENABLING TECHNOLOGY
110590	GB		650213.2	1 122 930	granted	21-Dec-02	14-Nov-07	110590GB0E2	ENCRYPTION KEY EXCHANGE PROTOCOL
110590	FR		650213.2	1 122 930	granted	21-Dec-02	14-Nov-07	110590FR0E2	ENCRYPTION KEY EXCHANGE PROTOCOL
110590	DE		650213.2	60071106.3	granted	21-Dec-02	14-Nov-07	110590DE0E4	ENCRYPTION KEY EXCHANGE PROTOCOL
112149	FR		981325.2	2 400 777	granted	13-Dec-02	26-Mar-07	112149FR0E7T	A CLIENT - SERVER NETWORK FOR MANAGING INTERNET PROTOCOL VOICE PACKETS
112149	FR		981325.2	2 400 777	granted	13-Dec-02	26-Mar-07	112149FR0E7T	A CLIENT - SERVER NETWORK FOR MANAGING INTERNET PROTOCOL VOICE PACKETS
112149	DE		981325.2	60034153.9	granted	13-Dec-02	26-Mar-07	112149DE0E7T	A CLIENT - SERVER NETWORK FOR MANAGING INTERNET PROTOCOL VOICE PACKETS
112149	CA		2,334,008	2,334,008	granted	13-Dec-02	8-Jul-11	112149CA29N	A CLIENT - SERVER NETWORK FOR MANAGING INTERNET PROTOCOL VOICE PACKETS
113690	GB		308770.7	091 614	granted	5-Oct-05	15-Dec-04	113690GB0E2	SWITCH FOR OPTICAL SIGNALS
113690	FR		308770.7	091 614	granted	5-Oct-05	15-Dec-04	113690FR0E2	SWITCH FOR OPTICAL SIGNALS
113690	DE		308770.7	091 614	granted	5-Oct-05	15-Dec-04	113690DE0E2	SWITCH FOR OPTICAL SIGNALS
113690	CA		2,285,128	2,285,128	granted	6-Oct-05	26-Feb-08	113690CA2ZU	SWITCH FOR OPTICAL SIGNALS
113690	CA		2,320,613	2,320,613	granted	21-Sep-04	18-May-04	113690CA2ZU	SWITCH FOR OPTICAL SIGNALS
113579	EP		650156.3	HEMPHY	Filed	16-Oct-05	HEMPHY	113579EP0E2	STORING INFORMATION ABOUT A TELEPHONE SESSION
113579	CA		2,323,395	2,323,395	granted	16-Oct-05	5-Oct-10	113579CA2ZU	STORING INFORMATION ABOUT A TELEPHONE SESSION
114339	GB		973170.4	1 330 897	granted	25-Oct-02	7-Eve-05	114339GB0E2	METHOD OF AND DEVICE FOR TRANSMITTING DATA PACKETS ON A NETWORK
114339	FR		973170.4	1 330 897	granted	25-Oct-02	7-Eve-05	114339FR0E2	METHOD OF AND DEVICE FOR TRANSMITTING DATA PACKETS ON A NETWORK
114339	DE		973170.4	60024983.8	granted	25-Oct-02	7-Eve-05	114339DE0E4	METHOD OF AND DEVICE FOR TRANSMITTING DATA PACKETS ON A NETWORK
114329	FR		985726.1	2 400 765	granted	8-Dec-02	30-Jul-05	114329FR0E2	DTMF DIGIT COLLECTION AND TRANSPORTATION FOR A PACKET NETWORK
114329	GB		985726.1	2 400 765	granted	8-Dec-02	30-Jul-05	114329GB0E2	DTMF DIGIT COLLECTION AND TRANSPORTATION FOR A PACKET NETWORK
114329	DE		6004488.1	2 400 765	granted	8-Dec-02	30-Jul-05	114329DE0E4	DTMF DIGIT COLLECTION AND TRANSPORTATION FOR A PACKET NETWORK
114279	GB		1524629.1	2 275 239	granted	3-Apr-01	23-Aug-06	114279GB0E2	PROVIDING ANNOUNCEMENT INFORMATION REQUESTS TO ESTABLISH INTERACTIVE CALL SESSIONS
114279	FR		1524629.1	2 275 239	granted	3-Apr-01	23-Aug-06	114279FR0E2	PROVIDING ANNOUNCEMENT INFORMATION REQUESTS TO ESTABLISH INTERACTIVE CALL SESSIONS
114279	DE		1524629.1	60122451.6	granted	3-Apr-01	23-Aug-06	114279DE0E4	PROVIDING ANNOUNCEMENT INFORMATION REQUESTS TO ESTABLISH INTERACTIVE CALL SESSIONS
114719	MX		Family member of 29368	232293	Assigned Round 2				Method and system for providing enhanced caller identification
11790D	GB		983415.1	1 247 387	granted	19-Dec-02	17-Nov-04	11790DGB0E2	IMPROVED SESSION INITIATION PROTOCOL (SIP)
11790D	FR		983415.1	1 247 387	granted	19-Dec-02	17-Nov-04	11790DFR0E2	IMPROVED SESSION INITIATION PROTOCOL (SIP)
11790D	DE		983415.1	60016057.8	granted	19-Dec-02	17-Nov-04	11790DDE0E7T	IMPROVED SESSION INITIATION PROTOCOL (SIP)
11790D	CA		2,395,574	2,395,574	granted	19-Dec-02	4-May-10	11790DCA29N	IMPROVED SESSION INITIATION PROTOCOL (SIP)
117940	JP	2001-133950		467994	granted	14-May-01	20-Apr-11	117940JP054U	SUPERVISORY CONTROL PLANE OVER WAVELENGTH ROUTED NETWORKS
117940	GB		1309748.8	1 152 631	granted	25-Apr-01	15-Aug-07	117940GB0E2	SUPERVISORY CONTROL PLANE OVER WAVELENGTH ROUTED NETWORKS
117940	FR		1309748.8	1 152 631	granted	25-Apr-01	15-Aug-07	117940FR0E2	SUPERVISORY CONTROL PLANE OVER WAVELENGTH ROUTED NETWORKS
117940	DE		1309748.8	60129879.3	granted	25-Apr-01	15-Aug-07	117940DE0E2	SUPERVISORY CONTROL PLANE OVER WAVELENGTH ROUTED NETWORKS
117940	CA		2,343,576	2,343,576	granted	3-Apr-01	31-Jun-12	117940CA29N	SUPERVISORY CONTROL PLANE OVER WAVELENGTH ROUTED NETWORKS
117959	GB		650159.7	1 102 498	granted	16-Oct-05	25-Feb-04	117959GB0E2	PROVIDING TELEPHONE SERVICES IN A COMMUNICATIONS NETWORK
117959	FR		650159.7	1 102 498	granted	16-Oct-05	25-Feb-04	117959FR0E2	PROVIDING TELEPHONE SERVICES IN A COMMUNICATIONS NETWORK
117959	DE		650159.7	60084851.3	granted	16-Oct-05	25-Feb-04	117959DE0E2	PROVIDING TELEPHONE SERVICES IN A COMMUNICATIONS NETWORK
117959	CA		2,323,326	2,323,326	granted	16-Oct-05	15-Jul-14	117959CA29N	PROVIDING TELEPHONE SERVICES IN A COMMUNICATIONS NETWORK
118790	GB		1395953	1 173 093	granted	10-Jul-04	28-Mar-07	118790GB0E7T	ATM TRANSPORT OVER MULTI-PROTOCOL LABEL SWITCHING
118790	FR		1395953	1 173 093	granted	10-Jul-04	28-Mar-07	118790FR0E7T	ATM TRANSPORT OVER MULTI-PROTOCOL LABEL SWITCHING
118790	DE		1395953	60127462.2	granted	10-Jul-04	28-Mar-07	118790DE0E7T	ATM TRANSPORT OVER MULTI-PROTOCOL LABEL SWITCHING
119390	GB		105630.2	2 866 106	granted	7-Mar-01	9-Jul-03	119390GB0E2U	INTEGRATED PHOTONIC SWITCH
119390	FR	01 09553		2 866 106	granted	13-Mar-01	28-Jul-04	119390FR0E4U	COMBINAITEUR PHOTONIQUE INTEGRE INTEGRATED PHOTONIC SWITCH
119390	CA		2,300,780	2,300,780	granted	15-Mar-01	7-Jul-07	119390CA2ZU	INTEGRATED PHOTONIC SWITCH
119690	GB		1346669.6	1 611 116	granted	25-May-02	21-Jul-06	119690GB0E2	OPTICAL SWITCH WITH CONNECTION VERIFICATION
12064M	JP		1937742.1	287 656	granted	25-May-02	25-Apr-11	12064MJP0E2	LAUNCHING SOFTWARE ROUTINES IN RESPONSE TO MESSAGES RELATING TO COMMUNICATIONS SESSIONS
12064M	JP		1937742.1	287 656	granted	25-May-02	25-Apr-11	12064MJP0E2	LAUNCHING SOFTWARE ROUTINES IN RESPONSE TO MESSAGES RELATING TO COMMUNICATIONS SESSIONS
12064M	DE		60144475-2-96	287 656	granted	25-May-02	25-Apr-11	12064MDE0E4	LAUNCHING SOFTWARE ROUTINES IN RESPONSE TO MESSAGES RELATING TO COMMUNICATIONS SESSIONS
120786	FR		1991526.3	1 346 526	granted	21-Dec-01	3-May-06	120786FR0E7T	SYSTEM AND METHOD TO EFFICIENTLY MOVE DATA FROM ONE DATA BUS TO ANOTHER DATA BUS IN A NETWORK SWITCH
120786	GB		1991526.3	1 346 526	granted	21-Dec-01	3-May-06	120786GB0E7T	SYSTEM AND METHOD TO EFFICIENTLY MOVE DATA FROM ONE DATA BUS TO ANOTHER DATA BUS IN A NETWORK SWITCH
120786	DE		1991526.3	1 346 526	granted	21-Dec-01	3-May-06	120786DE0E7T	SYSTEM AND METHOD TO EFFICIENTLY MOVE DATA FROM ONE DATA BUS TO ANOTHER DATA BUS IN A NETWORK SWITCH
120786	CA		2,432,620	2,432,620	granted	21-Dec-01	22-Jul-10	120786CA29N	SYSTEM AND METHOD TO EFFICIENTLY MOVE DATA FROM ONE DATA BUS TO ANOTHER DATA BUS IN A NETWORK SWITCH
12092D	GB		1310669.5	1 220 514	granted	28-Dec-01	14-Jul-05	12092DGB0E2	METHOD, APPARATUS AND SOFTWARE FOR ACCESSING LOCATION-BASED INTERNET SERVICES

13880D	DE	225205.3	6020732.3	Granted	27-Apr-02	16-Nov-03	3885DDE04E	ROUTE PROTECTION IN A COMMUNICATIONS NETWORK
13880D	CA	2,383,735	2,383,735	Granted	26-Apr-02	3-Nov-03	3885DC0A20	ROUTE PROTECTION IN A COMMUNICATIONS NETWORK
13880R	GB	3739586.4	483,929	Granted	22-Jan-03	14-Nov-03	3888OP0277	ADAPTIVE STATE TRANSITION CONTROL
13880R	FR	3739586.4	483,929	Granted	22-Jan-03	14-Nov-03	3888OP0957	ADAPTIVE STATE TRANSITION CONTROL
13880E	DE	3739586.4	60217480	Granted	22-Jan-03	14-Nov-03	3888OC028T	ADAPTIVE STATE TRANSITION CONTROL
13880E	CN	3807965.5	020807965.5	Granted	22-Jan-03	26-May-03	3888OC032N	ADAPTIVE STATE TRANSITION CONTROL
13880R	PT	39870	39870	Granted	26-Apr-02	19-Sep-03	3889FP1120	PROCEDE DE PSEUDO SYNCHRONOTI RESEAU DE COMMUNICATION : MULTISERVICES OSIE TEMPS -FR 895649 - PROCESS FOR THE PSEUDO SYNCHRONIZATION OF A TIME MULTIPLEXING COMMUNICATION NETWORK AND USE THEREOF
13880R	GB	9940031.3	0396820	Granted	19-Feb-03	12-Sep-03	3889RFB05E	METHOD AND APPARATUS FOR DETECTING A CUSTOMER PREMISES EQUIPMENT ALERTING (CAS) SIGNAL ON A TELEPHONE LINE DETECTION (CAS -FR804758)
13880R	FR	9940031.3	0396820	Granted	19-Feb-03	28-Apr-03	3889RFR020	PROCEDE ET DISPOSITIF DE DETECTION D'UN SIGNAL D'ALERTE SECURITE USINE TELEPHONIQUEMETHOD AND APPARATUS FOR DETECTING A CUSTOMER PREMISES EQUIPMENT ALERTING (CAS) SIGNAL ON A TELEPHONE LINE DETECTION (CAS -FR804758)
13880R	FR	9940031.3	0396820	Granted	19-Feb-03	12-Sep-03	3889RFR05E	METHOD AND APPARATUS FOR DETECTING A CUSTOMER PREMISES EQUIPMENT ALERTING (CAS) SIGNAL ON A TELEPHONE LINE DETECTION (CAS -FR804758)
13880R	FR	9940031.3	69597075	Granted	19-Feb-03	12-Sep-03	3889RFR05E	METHOD AND APPARATUS FOR DETECTING A CUSTOMER PREMISES EQUIPMENT ALERTING (CAS) SIGNAL ON A TELEPHONE LINE DETECTION (CAS -FR804758)
14242R	GB	2253043	1,263,258	Granted	30-Apr-02	10-Jan-03	14242C0B0E	COMMUNICATIONS NETWORK FOR A METROPOLITAN AREA
14242R	FR	2253043	1,263,258	Granted	30-Apr-02	10-Jan-03	14242C0F0E	COMMUNICATIONS NETWORK FOR A METROPOLITAN AREA
14242R	DE	2253043	60217440	Granted	30-Apr-02	10-Jan-03	14242C0E0E	COMMUNICATIONS NETWORK FOR A METROPOLITAN AREA
14210R	GB	2259724	1,306,371	Granted	19-Dec-02	13-Jul-03	14210C0B0E	RESYNCHRONIZATION OF CONTROL AND DATA PATH STATE FOR NETWORKS
14210R	FR	2259724	1,306,371	Granted	19-Dec-02	13-Jul-03	14210C0F0E	RESYNCHRONIZATION OF CONTROL AND DATA PATH STATE FOR NETWORKS
14210R	DE	2259724	1,306,371	Granted	19-Dec-02	13-Jul-03	14210C0E0E	RESYNCHRONIZATION OF CONTROL AND DATA PATH STATE FOR NETWORKS
14210R	CA	2,414,428	2,414,428	Granted	15-Dec-02	7-Dec-03	14210C0A20	RESYNCHRONIZATION OF CONTROL AND DATA PATH STATE FOR NETWORKS
14210R	GB	2806387	1,477,007	Granted	19-Dec-02	29-Mar-03	14210R0E0E	PERSONAL USER AGENT
14210R	FR	2806387	1,477,007	Granted	19-Dec-02	29-Mar-03	14210R0F0E	PERSONAL USER AGENT
14210R	DE	2806387	1,477,007	Granted	19-Dec-02	29-Mar-03	14210R0E0E	PERSONAL USER AGENT
14241R	EP	21216636	HEMPY	Filed	25-Nov-02	HEMPY	14241R0E0E	SYSTEM AND METHOD FOR INTEGRATING MULTIMEDIA SERVICES WITH TRADITIONAL TELEPHONY IN DIFFERENT NETWORKS "TITLE UPDATED ON 23 AUGUST 2004 AS PER RESPECTIVE PATENT OFFICE WEBSITE" - INM - 23 AUG 2004
14241R	EP	21882784	HEMPY	Filed	25-Nov-02	HEMPY	14241R0E0E	SYSTEM AND METHOD FOR INTEGRATING MULTIMEDIA SERVICES WITH TRADITIONAL TELEPHONY IN DIFFERENT NETWORKS "TITLE UPDATED ON 23 AUGUST 2004 AS PER RESPECTIVE PATENT OFFICE WEBSITE" - INM - 23 AUG 2004
14241R	CA	2,469,213	2,469,213	Granted	25-Nov-02	14-Nov-03	14241R0C0A20	SYSTEM AND METHOD FOR INTEGRATING MULTIMEDIA SERVICES WITH TRADITIONAL TELEPHONY IN DIFFERENT NETWORKS "TITLE UPDATED ON 23 AUGUST 2004 AS PER RESPECTIVE PATENT OFFICE WEBSITE" - INM - 23 AUG 2004
14418D	EP	5825772002	398103	Granted	2-Apr-02	6-Jul-03	14418D0P0R	TIME SLOT SCHEDULING FOR SHARED-CELL COMMUNICATIONS NETWORK
14418D	IN	01633/DELMP/2005	337376	Granted	2-Apr-02	6-Apr-03	14418D0I0R	TIME SLOT SCHEDULING FOR SHARED-CELL COMMUNICATIONS NETWORK
14418D	GB	2708372	380,129	Granted	2-Apr-02	23-Jan-03	14418D0B0E	TIME SLOT SCHEDULING FOR SHARED-CELL COMMUNICATIONS NETWORK
14418D	FR	2708372	380,129	Granted	2-Apr-02	23-Jan-03	14418D0F0E	TIME SLOT SCHEDULING FOR SHARED-CELL COMMUNICATIONS NETWORK
14418D	DE	2708372	60247928	Granted	2-Apr-02	23-Jan-03	14418D0E0E	TIME SLOT SCHEDULING FOR SHARED-CELL COMMUNICATIONS NETWORK
14418D	CA	2,443,066	2,443,066	Granted	2-Apr-02	15-Sep-03	14418D0A20	TIME SLOT SCHEDULING FOR SHARED-CELL COMMUNICATIONS NETWORK
14493D	EP	2002-530581	524529	Granted	13-May-02	21-Jun-03	14493D0P0R	DATA STREAM FILTERING APPARATUS AND METHOD
14493D	EP	2011-000641	525273	Granted	5-Jan-11	21-Jun-13	14493D0P11V	DATA STREAM FILTERING APPARATUS AND METHOD
14493D	EP	2013-077544	527693	Granted	5-Jan-11	11-Jul-14	14493D0P12V	DATA STREAM FILTERING APPARATUS AND METHOD
14493D	IN	1216/DELMP/2200	250270	Granted	13-May-02	21-Dec-11	14493D0I0R	DATA STREAM FILTERING APPARATUS AND METHOD
14493D	EP	27224837	HEMPY	Filed	13-May-02	HEMPY	14493D0E0T	DATA STREAM FILTERING APPARATUS AND METHOD
14529R	EP	27531722	HEMPY	Filed	10-Jun-02	HEMPY	14529R0E0T	PROVIDING TELEPHONY SERVICES TO TERMINALS BEHIND A FIREWALL AND/OR A NETWORK ADDRESS TRANSLATOR
14529R	EP	81001065	HEMPY	Filed	10-Jun-02	HEMPY	14529R0E0V	PROVIDING TELEPHONY SERVICES TO TERMINALS BEHIND A FIREWALL AND/OR A NETWORK ADDRESS TRANSLATOR
14550R	GB	27793030	1,446,924	Granted	26-Sep-02	30-Aug-03	14550R0B0T	SCHEDULER WITH FAIRNESS CONTROL AND QUALITY OF SERVICE SUPPORT
14550R	FR	27793030	1,446,924	Granted	26-Sep-02	30-Aug-03	14550R0F0T	SCHEDULER WITH FAIRNESS CONTROL AND QUALITY OF SERVICE SUPPORT
14550R	DE	27793030	60214415	Granted	26-Sep-02	30-Aug-03	14550R0E0T	SCHEDULER WITH FAIRNESS CONTROL AND QUALITY OF SERVICE SUPPORT
14550R	CN	28274401	020827440.1	Granted	26-Sep-02	12-Jan-03	14550R0C0A20	SCHEDULER WITH FAIRNESS CONTROL AND QUALITY OF SERVICE SUPPORT
14579A	TW	88115944	139388	Granted	24-Nov-03	19-Dec-03	14579A0I0A0	METHOD AND APPARATUS FOR MISS SPOORING
14579A	EP	11-262452	358401	Granted	16-Sep-03	11-Jun-04	14579A0P0R	METHOD AND APPARATUS FOR MISS SPOORING
14731R	GB	2257081.5	1,309,126	Granted	11-Oct-02	12-Apr-03	14731R0B0E	METHOD AND SYSTEM FOR DETERMINING AVAILABILITY IN NETWORKS
14731R	FR	2257081.5	1,309,126	Granted	11-Oct-02	12-Apr-03	14731R0F0E	METHOD AND SYSTEM FOR DETERMINING AVAILABILITY IN NETWORKS
14731R	DE	2257081.5	60210562	Granted	11-Oct-02	12-Apr-03	14731R0E0E	METHOD AND SYSTEM FOR DETERMINING AVAILABILITY IN NETWORKS
14731R	CN	21481535	0201481535.5	Granted	31-Oct-02	9-Jul-03	14731R0C0A20	METHOD AND SYSTEM FOR DETERMINING AVAILABILITY IN NETWORKS
14748R	DE	2747116.6	1,415,442	Granted	5-Jul-02	29-Mar-03	14748R0E0B0T	USING MPLS LSPS AS L2TP TUNNEL TRANSPORTS
14748R	FR	2747116.6	1,415,442	Granted	5-Jul-02	29-Mar-03	14748R0F0T	USING MPLS LSPS AS L2TP TUNNEL TRANSPORTS
14748R	DE	2747116.6	60210284	Granted	5-Jul-02	29-Mar-03	14748R0E0E0T	USING MPLS LSPS AS L2TP TUNNEL TRANSPORTS
14850R	EP	2003-006483	575041	Granted	30-Aug-03	24-Dec-03	14850R0E0U	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A SIGNAL ROUTING DEVICE
14850R	HK	11100388	HK1147641	Granted	29-Sep-03	28-Dec-03	14850R0H0S0V	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A SIGNAL ROUTING DEVICE
14850R	CN	2010102386	0201010242386	Granted	19-Mar-10	21-Mar-10	14850R0C0B20	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A SIGNAL ROUTING DEVICE
14850R	CA	2,438,751	2,438,751	Granted	29-Aug-03	8-Apr-04	14850R0C0A20	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A SIGNAL ROUTING DEVICE
14877R	CA	2,395,154	2,395,154	Granted	29-Jul-02	12-Dec-01	14877R0C0A0E	TECHNIQUE FOR SYNCHRONIZATION CLOCKS IN A NETWORK
14920D	GB	2259737.1	1,313,359	Granted	27-Sep-02	25-Jul-03	14920D0E0A0E	A METHOD FOR CONTROLLING A MIDDLEBOX
14920R	FR	22597370	1,313,648	Granted	2-Dec-02	8-Feb-03	14920R0E0E	FAST RECOVERY METHOD IN LABEL SWITCHING NETWORKS, AND NETWORK ARRANGEMENT TO CARRY OUT THE METHOD
14920R	FR	22597370	1,313,648	Granted	2-Dec-02	8-Feb-03	14920R0F0E	FAST RECOVERY METHOD IN LABEL SWITCHING NETWORKS, AND NETWORK ARRANGEMENT TO CARRY OUT THE METHOD
14920R	DE	22597370	60209962	Granted	2-Dec-02	8-Feb-03	14920R0E0E	FAST RECOVERY METHOD IN LABEL SWITCHING NETWORKS, AND NETWORK ARRANGEMENT TO CARRY OUT THE METHOD
14918R	TW	92138413	M6-223242	Granted	29-Mar-03	11-Oct-04	14918R0F0V0A0	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERICRCLUT BOARD
14918R	FR	10-2003-0017431	10-0983401	Granted	29-Mar-03	14-Sep-04	14918R0R0E0A0	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERICRCLUT BOARD
14918R	HK	41067931	HK1064263	Granted	29-Mar-03	12-Jun-03	14918R0H0G0U	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERICRCLUT BOARD
14918R	EP	33940208	HEMPY	Filed	13-Mar-03	HEMPY	14918R0E0P0E	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERICRCLUT BOARD
14918R	CN	31386661	20530666.1	Granted	29-Mar-03	30-Jul-08	14918R0C0B0A0	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERICRCLUT BOARD
14918R	CA	2,422,677	2,422,677	Granted	19-Mar-03	6-May-08	14918R0C0A20	TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYERICRCLUT BOARD
14924P	EP	10193769	HEMPY	Filed	14-Mar-07	HEMPY	14924P0E0P0V	SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVCLEINKED TO A SERVER
14924P	EP	10193769	HEMPY	Filed	14-Mar-07	HEMPY	14924P0E0P0B	SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVCLEINKED TO A SERVER
14924P	EP	10193769	HEMPY	Filed	14-Mar-07	HEMPY	14924P0E0P0E	SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVCLEINKED TO A SERVER
14924P	EP	10193769	HEMPY	Filed	14-Mar-07	HEMPY	14924P0E0P0A0	SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVCLEINKED TO A SERVER
14924P	AU	23397797	711280	Granted	14-Mar-07	20-Jan-09	14924P0A0I0N	SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVCLEINKED TO A SERVER AT AN INTERNET SITE
15112D	EP	32551442	HEMPY	Filed	29-Aug-03	HEMPY	15112D0E0P0E	ROUTING METHOD AND APPARATUS FOR OPTIMISING AUTO-TUNNELLING IN A HETEROGENEOUS NETWORK
15112D	CA	2,437,684	HEMPY	Filed	29-Aug-03	HEMPY	15112D0C0A20	ROUTING METHOD AND APPARATUS FOR OPTIMISING AUTO-TUNNELLING IN A HETEROGENEOUS NETWORK
15117R	GB	3250746.3	1,333,630	Granted	5-Feb-03	10-Aug-03	15117R0B0E0E	TECHNIQUE FOR IMPLEMENTING A MULTI-SERVICE PACKET AND OPTICAL/TDM VIRTUAL PRIVATE CROSS-CONNECT
15117R	FR	3250746.3	1,333,630	Granted	5-Feb-03	10-Aug-03	15117R0F0E0E	TECHNIQUE FOR IMPLEMENTING A MULTI-SERVICE PACKET AND OPTICAL/TDM VIRTUAL PRIVATE CROSS-CONNECT
15117R	DE	3250746.3	60391958	Granted	5-Feb-03	10-Aug-03	15117R0E0E0E	TECHNIQUE FOR IMPLEMENTING A MULTI-SERVICE PACKET AND OPTICAL/TDM VIRTUAL PRIVATE CROSS-CONNECT
15117R	CA	2,418,433	2,418,433	Granted	4-Feb-03	24-May-03	15117R0C0A20	TECHNIQUE FOR IMPLEMENTING A MULTI-SERVICE PACKET AND OPTICAL/TDM VIRTUAL PRIVATE CROSS-CONNECT
15188R	GB	32573784	1,432,890	Granted	7-Nov-02	24-Oct-03	15188R0B0E0E	PHYSICAL CAPACITY AGGREGATION SCHEME
15188R	FR	32573784	1,432,890	Granted	7-Nov-02	24-Oct-03	15188R0F0E0E	PHYSICAL CAPACITY AGGREGATION SCHEME
15188R	DE	32573784	60317021	Granted	7-Nov-02	24-Oct-03	15188R0E0E0E	PHYSICAL CAPACITY AGGREGATION SCHEME
15188R	CA	2,450,421	2,450,421	Granted	21-Nov-02	27-Sep-03	15188R0C0A20	PHYSICAL CAPACITY AGGREGATION SCHEME
15158D	GB	3075486.5	1,343,263	Granted	19-Feb-03	6-May-03	15158D0B0E0E	A LINK CAPACITY ADJUSTMENT COMPONENT
15158D	FR	3075486.5	1,343,263	Granted	19-Feb-03	6-May-03	15158D0F0E0E	A LINK CAPACITY ADJUSTMENT COMPONENT
15158D	DE	3075486.5	60397482	Granted	19-Feb-03	6-May-03	15158D0E0E0E	A LINK CAPACITY ADJUSTMENT COMPONENT
15158D	CA	2,420,716	2,420,716	Granted	3-Mar-03	31-Jan-03	15158D0C0A20	A LINK CAPACITY ADJUSTMENT COMPONENT
15209R	EP	39279573	HEMPY	Filed	17-Dec-03	HEMPY	15209R0E0P0A0	DISTRIBUTED SERVICES BASED ON PREFERENCE TECHNOLOGY
15209R	EP	11164208	HEMPY	Filed	17-Dec-03	HEMPY	15209R0E0P0A0	DISTRIBUTED SERVICES BASED ON PREFERENCE TECHNOLOGY
15209R	CA	2,447,767	HEMPY	Filed	31-Oct-03	HEMPY	15209R0C0A20	DISTRIBUTED SERVICES BASED ON PREFERENCE TECHNOLOGY
15236R	FR	18-2011-000445	620841	Granted	2-Sep-08	29-Aug-08	15236R0B0G0A0	MICROMACHINED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSIONAL FLEXURE HINGES
15236R	EP	2014-086613	HEMPY	Filed	30-Nov-10	HEMPY	15236R0P0V0E	MICROMACHINED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSIONAL FLEXURE HINGES

5236RA	FR	2004-59834	477673	granted	9-Sep-29	89-1-1	5236RPP9N	MICROWORMED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSIONAL FLEXURE HINGES
5236RB	FR	2010-297138		filed	30-Nov-10		5236RPP0V	MICROWORMED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSIONAL FLEXURE HINGES
5236RC	FR	2013-008267		filed	30-Nov-10		5236RPP8Y	MICROWORMED MEMBERS COUPLED FOR RELATIVE ROTATION BY TORSIONAL FLEXURE HINGES
5236RD	GB	2922861.8	393 526	granted	10-Apr-02	27-AUG-02	5236RCPB1ZE	FAST OPTICAL SWITCH
5236RE	FR	2922861.8	393 526	granted	10-Apr-02	27-AUG-02	5236RCP1LE	FAST OPTICAL SWITCH
5236RF	EP	2922861.8	393 526	inactive	10-Apr-02	27-AUG-02	5236RCP1PSE	FAST OPTICAL SWITCH
5236RG	DE	2922861.8	393 526	granted	10-Apr-02	27-AUG-02	5236RCP1LIE	FAST OPTICAL SWITCH
5236RH	GB	3018018.4	404 082	granted	15-Jul-03	17-Oct-02	5236ZGB0KE	METHODS FOR DISCOVERING NETWORK ADDRESS AND PORT TRANSLATORS
5236RI	FR	3018018.4	404 082	granted	15-Jul-03	17-Oct-02	5236ZGB0FE	METHODS FOR DISCOVERING NETWORK ADDRESS AND PORT TRANSLATORS
5236RJ	EP	3018018.4	404 082	inactive	15-Jul-03	17-Oct-02	5236ZGB0PFE	METHODS FOR DISCOVERING NETWORK ADDRESS AND PORT TRANSLATORS
5236RK	DE	3018018.4	404 082	granted	15-Jul-03	17-Oct-02	5236ZGB0EAE	METHODS FOR DISCOVERING NETWORK ADDRESS AND PORT TRANSLATORS
5236RL	CA	2,435.699	2,435.699	granted	7-Jul-03	18-Sep-02	5236ZCC0ZU	METHODS FOR DISCOVERING NETWORK ADDRESS AND PORT TRANSLATORS
52407R	FR	10-2004-7015956	10-0997654	granted	23-Apr-05	25-Nov-02	52407KOR5N	EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
52407R	GB	3715200.6	532 248	granted	23-Apr-05	25-Dec-03	52407KOB1OT	EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
52407R	EP	3715200.6	532 248	granted	23-Apr-05	25-Dec-03	52407KOB1OT	EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
52407R	FR	3715200.6	532 248	granted	23-Apr-05	25-Dec-03	52407KOB1OT	EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
52407R	EP	3715200.6	532 248	granted	23-Apr-05	25-Dec-03	52407KOB1OT	EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
52407R	FR	3715200.6	532 248	granted	23-Apr-05	25-Dec-03	52407KOB1OT	EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
52407R	EP	3715200.6	532 248	granted	23-Apr-05	25-Dec-03	52407KOB1OT	EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
52407R	FR	3812147.0	620612147.6	granted	23-Apr-05	5-Sep-02	52407KOC6GN	EFFICIENT HANDOFFS BETWEEN CELLULAR AND WIRELESS LOCAL AREA NETWORKS
525140	CN	3813543.1		filed	1-Jul-03		52514003GN	HIERARCHICAL OPTICAL VPNS (HOVPN) IN A CARRIER'S CARRIER VPN ENVIRONMENT
525140	CN	20171023822.X		filed	1-Jul-03		52514003GN	HIERARCHICAL OPTICAL VPNS (HOVPN) IN A CARRIER'S CARRIER VPN ENVIRONMENT
525810	GB	3739351.1	540 893	granted	9-Sep-03	19-Oct-02	52581006OT	NETWORK AND METHOD FOR PROVIDING SWITCHED VIRTUAL CIRCUIT LAYER-2 VIRTUAL PRIVATE NETWORKS
525810	FR	3739351.1	540 893	granted	9-Sep-03	19-Oct-02	52581006OT	NETWORK AND METHOD FOR PROVIDING SWITCHED VIRTUAL CIRCUIT LAYER-2 VIRTUAL PRIVATE NETWORKS
525810	DE	3739351.1	60318222.6	granted	9-Sep-03	19-Oct-02	52581006ST	NETWORK AND METHOD FOR PROVIDING SWITCHED VIRTUAL CIRCUIT LAYER-2 VIRTUAL PRIVATE NETWORKS
525810	EP	3747785.4	540 892	granted	9-Sep-03	19-Oct-02	52581006OT	NETWORK AND METHOD FOR PROVIDING SWITCHED VIRTUAL CIRCUIT LAYER-2 VIRTUAL PRIVATE NETWORKS
525810	FR	3747785.4	540 892	granted	9-Sep-03	19-Oct-02	52581006ST	NETWORK AND METHOD FOR PROVIDING SWITCHED VIRTUAL CIRCUIT LAYER-2 VIRTUAL PRIVATE NETWORKS
525810	EP	3747785.4	540 892	granted	9-Sep-03	19-Oct-02	52581006ST	NETWORK AND METHOD FOR PROVIDING SWITCHED VIRTUAL CIRCUIT LAYER-2 VIRTUAL PRIVATE NETWORKS
526230	GB	3750189.1	1 550 270	granted	9-Sep-03	25-Apr-02	52623006OT	GENERALIZED LAYER 2 VPNS
526230	FR	3750189.1	1 550 270	granted	9-Sep-03	25-Apr-02	52623006OT	GENERALIZED LAYER 2 VPNS
526230	DE	3750189.1	60312483	granted	9-Sep-03	25-Apr-02	52623006ST	GENERALIZED LAYER 2 VPNS
526690	GB	3788839.1	1 553 287	granted	30-May-02	31-Oct-12	52669006ST	APPARATUS, METHOD AND PROGRAM FOR NETWORK TOPOLOGY DISCOVERY UTILIZING DATA LINK LAYER SERVICES
526690	FR	3788839.1	1 553 287	granted	30-May-02	31-Oct-12	52669006ST	APPARATUS, METHOD AND PROGRAM FOR NETWORK TOPOLOGY DISCOVERY UTILIZING DATA LINK LAYER SERVICES
526690	EP	3788839.1	1 553 287	inactive	30-May-02	31-Oct-12	52669006ST	APPARATUS, METHOD AND PROGRAM FOR NETWORK TOPOLOGY DISCOVERY UTILIZING DATA LINK LAYER SERVICES
526690	DE	3788839.1	1 553 287	granted	30-May-02	31-Oct-12	52669006ST	APPARATUS, METHOD AND PROGRAM FOR NETWORK TOPOLOGY DISCOVERY UTILIZING DATA LINK LAYER SERVICES
527590	EP	2004-701073		filed	20-Nov-02		527590R6N	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527590	EP	2004-553366	518403	granted	20-Nov-02	18-Jan-13	527590R0TN	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527590	HK	101096122		filed	11-Oct-10		527590R1ZV	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527590	GB	3788847.5	1 461 985	granted	20-Nov-02	22-Oct-04	527590R6ST	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527590	FR	3788847.5	1 461 985	granted	20-Nov-02	22-Oct-04	527590R6ST	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527590	EP	3788847.5	1 461 985	inactive	20-Nov-02	22-Oct-04	527590R6ST	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527590	DE	3788847.5	1 461 985	granted	20-Nov-02	22-Oct-04	527590R6ST	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527590	CN	200801003174	020080100317	granted	20-Nov-02	6-Jan-10	527590R0GN	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527590	CN	20091025901.1	20091025901	granted	20-Nov-02	25-Jan-12	527590R1TV	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527590	CA	2 472 336	2 472 336	granted	20-Nov-02	23-Oct-12	527590R0AGN	TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE
527730	DE	4013951.4	1 484 892	granted	7-Jun-04	6-Dec-06	527730E0GE	METHOD AND SYSTEM FOR LAWFUL INTERCEPTION OF PACKET SWITCHED NETWORK SERVICES
527730	FR	4013951.4	1 484 892	granted	7-Jun-04	6-Dec-06	527730E0GE	METHOD AND SYSTEM FOR LAWFUL INTERCEPTION OF PACKET SWITCHED NETWORK SERVICES
527730	DE	4013951.4	600404009518	granted	7-Jun-04	6-Dec-06	527730E0DE	METHOD AND SYSTEM FOR LAWFUL INTERCEPTION OF PACKET SWITCHED NETWORK SERVICES
527930	FR	10-2004-0042805	106258	granted	11-Jun-04	30-Aug-11	527930R0GU	TECHNIQUE FOR INTERCONNECTION MULTILAYER CIRCUIT BOARDS
527930	HK	10573434		filed	22-Aug-05		527930R0SU	TECHNIQUE FOR INTERCONNECTION MULTILAYER CIRCUIT BOARDS
527930	CN	200410081104	020041008110	granted	11-Jun-04	21-Apr-10	527930R0GN	TECHNIQUE FOR INTERCONNECTION MULTILAYER CIRCUIT BOARDS
52827R	FR	950.766	33348	granted	25-Mar-94	30-Sep-94	52827RFR0D	VISIOPHONES
52829R	FR	950.766	33348	granted	8-Feb-95	31-Mar-95	52829RFR0D	BORNE TELEPHONIQUE MURALE
52829R	FR	950.766	33348	granted	8-Feb-95	31-Mar-95	52829RFR0D	BORNE TELEPHONIQUE MURALE
52829R	FR	950.766	33348	granted	8-Feb-95	31-Mar-95	52829RFR0D	BORNE TELEPHONIQUE MURALE
52829R	FR	950.766	33348	granted	8-Feb-95	31-Mar-95	52829RFR0D	BORNE TELEPHONIQUE MURALE
52829R	FR	961917	437373	granted	29-Mar-96	23-Aug-98	52829RFR0D	APPAREIL COMBINE TELECOMPLEXE/REPONDEUR TELEPHONIQUE - PF-100R - STORMA 660
52829R	FR	961917	437374	granted	29-Mar-96	23-Aug-98	52829RFR0D	APPAREIL COMBINE TELECOMPLEXE/REPONDEUR TELEPHONIQUE - PF-100R - STORMA 660
52829R	FR	961917	437375	granted	29-Mar-96	23-Aug-98	52829RFR0D	APPAREIL COMBINE TELECOMPLEXE/REPONDEUR TELEPHONIQUE - PF-100R - STORMA 660
52829R	FR	961917	437372	granted	29-Mar-96	23-Aug-98	52829RFR0D	APPAREIL COMBINE TELECOMPLEXE/REPONDEUR TELEPHONIQUE - PF-100R - STORMA 660
528380	GB	4250934.5	1 450 524	granted	20-Feb-04	18-Jul-12	528380R61D	CIRCUITATING SWITCH
528380	FR	4250934.5	1 450 524	granted	20-Feb-04	18-Jul-12	528380R6FE	CIRCUITATING SWITCH
528380	EP	4250934.5		filed	20-Feb-04		528380R6FE	CIRCUITATING SWITCH
528380	DE	4250934.5	1 450 524	granted	20-Feb-04	18-Jul-12	528380R6GE	CIRCUITATING SWITCH
528380	CA	2,457,971		filed	18-Feb-04		528380R0AGN	CIRCUITATING SWITCH
528380	CA	2,834,634		filed	18-Nov-04		528380R0ALV	CIRCUITATING SWITCH
528380	CA	2,706,654		granted	18-Feb-04	28-Jan-04	528380R0AVT	CIRCUITATING SWITCH
529280	EP	4796406.5		filed	8-Apr-04		529280R6FE	MEMORY PROTECTION SYSTEMS AND METHODS FOR WRITABLE MEMORY
529280	EP	12152120.7		filed	8-Apr-04		529280R6FE	MEMORY PROTECTION SYSTEMS AND METHODS FOR WRITABLE MEMORY
52959N	JP	2004-100907		filed	30-Mar-04		52959RUP04N	AUTO-COMPRESSION FOR MEDIA OVERIP
52959N	CA	2,461,839	2,461,839	granted	25-Mar-04	7-May-13	52959RUCAGN	AUTO-COMPRESSION FOR MEDIA OVERIP
52929R	GB	4394086.1	458 700	granted	29-Jun-04	15-Jan-04	52929RGE0E	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING IN A COMMUNICATION SYSTEM
52929R	FR	4394086.1	458 700	granted	29-Jun-04	15-Jan-04	52929RFE0E	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING IN A COMMUNICATION SYSTEM
52929R	EP	30178917.7		filed	29-Jun-04		52929RFE0V	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING IN A COMMUNICATION SYSTEM
52929R	EP	4394086.1	458 700	inactive	29-Jun-04	15-Jan-04	52929RFE0E	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING IN A COMMUNICATION SYSTEM
52929R	DE	4394086.1	458 700	granted	29-Jun-04	15-Jan-04	52929RDE0E	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR SUPPORTING VIDEO CONFERENCING IN A COMMUNICATION SYSTEM
52986R	EP	4343823		filed	25-Jun-04		52986RFE0T	DISTRIBUTED CALL SERVER SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD
52986R	EP	31189800.3		filed	25-Jun-04		52986RFE0V	DISTRIBUTED CALL SERVER SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD
52986R	EP	4343823		filed	25-Jun-04		52986RFE0V	DISTRIBUTED CALL SERVER SUPPORTING COMMUNICATION SESSIONS IN A COMMUNICATION SYSTEM AND METHOD
56021D	EP	4072915.1		filed	8-Aug-04		56021DPE0E	MANAGEMENT OF QUEUES IN CONTACT CENTRES
56021D	EP	31129592.2		filed	8-Aug-04		56021DPE0V	MANAGEMENT OF QUEUES IN CONTACT CENTRES
56021D	EP	31129314.3		filed	8-Aug-04		56021DPE0V	MANAGEMENT OF QUEUES IN CONTACT CENTRES
56021D	CA	2,477,868	2,477,868	granted	12-Aug-04	1-Oct-13	56021DCA0ZU	MANAGEMENT OF QUEUES IN CONTACT CENTRES
561410	EP	4369719.8		filed	22-Oct-04		561410R6FE	MULTIPLE SERVICES WITH POLICY ENFORCEMENT OVER A COMMON NETWORK
561410	CA	2,525,625		filed	22-Oct-04		561410R0AGN	MULTIPLE SERVICES WITH POLICY ENFORCEMENT OVER A COMMON NETWORK
561929R	EP	4343793.3		filed	18-Jun-04		561929R6FE	CONVERGENCE OF CIRCUIT-SWITCHED VOICE AND PACKET-BASED MEDIA SERVICES
561929R	EP	10181544.3		filed	18-Jun-04		561929R6TV	CONVERGENCE OF CIRCUIT-SWITCHED VOICE AND PACKET-BASED MEDIA SERVICES
561929R	CA	2,529,897		granted	18-Jun-04	8-Jan-13	561929R0AGN	CONVERGENCE OF CIRCUIT-SWITCHED VOICE AND PACKET-BASED MEDIA SERVICES
561929R	CA	2,768,069	2,768,069	granted	18-Jun-04	31-Oct-13	561929R0AGN	CONVERGENCE OF CIRCUIT-SWITCHED VOICE AND PACKET-BASED MEDIA SERVICES

16277R	EP	4143322	HEMPY	Filed	29-Jun-04	HEMPY	16277RPPST	APPARATUS, METHOD, AND COMPUTER PROGRAM FOR MANAGING RESOURCES IN A COMMUNICATION SYSTEM.		
16359R	EP	4859342	HEMPY	Filed	2-Oct-04	HEMPY	16359RPPST	SELECTIVE PROCESSING OF A DAMAGED PACKETS		
16359R	CN	200480977362	HEMPY	Filed	2-Oct-04	HEMPY	16359RCCN	SELECTIVE PROCESSING OF A DAMAGED PACKETS		
16359R	CN	2011201046501	HEMPY	Filed	2-Oct-04	HEMPY	16359RCCSN	SELECTIVE PROCESSING OF A DAMAGED PACKETS		
16359R	CN	0	HEMPY	Filed	2-Oct-04	HEMPY	16359RCCSN	SELECTIVE PROCESSING OF A DAMAGED PACKETS		
16359RO	SB	4863651	1702438	Granted	15-Dec-04	74-May-06	16359ROSB17	APPARATUS AND METHOD FOR DISTRIBUTING LAYER-2 VPN INFORMATION		
16359RO	FR	4863651	1702438	Granted	15-Dec-04	74-May-06	16359ROFR17	APPARATUS AND METHOD FOR DISTRIBUTING LAYER-2 VPN INFORMATION		
16359RO	DE	4863651	1702438	Granted	15-Dec-04	74-May-06	16359RODE17	APPARATUS AND METHOD FOR DISTRIBUTING LAYER-2 VPN INFORMATION		
16359RO	CA	2552249	HEMPY	Filed	15-Dec-04	HEMPY	16359ROCA29	APPARATUS AND METHOD FOR DISTRIBUTING LAYER-2 VPN INFORMATION		
16359RO	SB	4863662	1702457	Granted	15-Dec-04	24-Dec-05	16359ROSB17	APPARATUS AND METHOD FOR LAYER-2 AND LAYER-3 VPN DISCOVERY		
16359RO	FR	4863662	1702457	Granted	15-Dec-04	24-Dec-05	16359ROFR17	APPARATUS AND METHOD FOR LAYER-2 AND LAYER-3 VPN DISCOVERY		
16359RO	DE	4863662	1702457	Granted	15-Dec-04	24-Dec-05	16359RODE17	APPARATUS AND METHOD FOR LAYER-2 AND LAYER-3 VPN DISCOVERY		
16359RO	CA	2552247	HEMPY	Filed	15-Dec-04	HEMPY	16359ROCA29	APPARATUS AND METHOD FOR LAYER-2 AND LAYER-3 VPN DISCOVERY		
16438RA	EP	1022066-707513	10-1271501	Granted	3-March-05	26-July-13	16438RARP05	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS		
16438RA	EP	172165152	HEMPY	Filed	3-March-05	HEMPY	16438RARP05	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS		
16438RA	EP	17248361	HEMPY	Inactive	3-March-05	HEMPY	16438RARP05	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS		
16438RA	CN	20120302143	HEMPY	Filed	3-March-05	HEMPY	16438RARC05	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS		
16438RA	CN	200580013882	1020800013886	Granted	3-March-05	10-Oct-12	16438RARC05	TECHNIQUE FOR MAINTAINING SECURE NETWORK CONNECTIONS		
16484RN	SB	47697305	1 678 873	Granted	26-Oct-04	14-Apr-05	16484RNSB07	AUTODISCOVERY FOR VIRTUAL NETWORKS		
16484RN	FR	47697305	1 678 873	Granted	26-Oct-04	14-Apr-05	16484RNFR07	AUTODISCOVERY FOR VIRTUAL NETWORKS		
16484RN	DE	47697305	1 678 873	Granted	26-Oct-04	14-Apr-05	16484RNDE07	AUTODISCOVERY FOR VIRTUAL NETWORKS		
16484RN	CN	200480015311	200480015311	Granted	26-Oct-04	11-Nov-09	16484RNC05	AUTODISCOVERY FOR VIRTUAL NETWORKS		
16572RO	EP	5706392	HEMPY	Filed	12-Jan-05	HEMPY	16572ROEP07	ETHERNET DIFFERENTIATED SERVICES		
16572RO	CN	200590000444	HEMPY	Inactive	12-Jan-05	HEMPY	16572ROC05N	ETHERNET DIFFERENTIATED SERVICES CONDITIONING		
16659RO	SB	57062005	1706370	Granted	20-Jan-05	14-July-12	16659ROSB10	METHOD AND SYSTEM FOR ETHERNET AND ATM NETWORK INTERWORKING		
16659RO	FR	57062005	1706370	Granted	20-Jan-05	14-July-12	16659ROFR10	METHOD AND SYSTEM FOR ETHERNET AND ATM NETWORK INTERWORKING		
16659RO	DE	602005 002 2885	1706370	Granted	20-Jan-05	14-July-12	16659RODE10	METHOD AND SYSTEM FOR ETHERNET AND ATM NETWORK INTERWORKING		
16670TD	SE	57327955	1735361	Granted	6-Apr-05	25-Nov-09	16670TDSE18	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	NL	57327955	1735361	Granted	6-Apr-05	25-Nov-09	16670TDNL17	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	EP	102013-7021341	HEMPY	Filed	13-Aug-13	HEMPY	16670TDKR2V	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	EP	102066-7020948	HEMPY	Filed	6-Apr-05	HEMPY	16670TDKR10N	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	EP	102013-7020948	HEMPY	Filed	31-Jul-13	HEMPY	16670TDKR2SV	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	EP	102013-7021343	HEMPY	Filed	13-Aug-13	HEMPY	16670TDKR2SV	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	JP	2012-223284	HEMPY	Filed	6-Apr-05	HEMPY	16670TDJP2V	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	JP	2012-223285	HEMPY	Filed	6-Apr-05	HEMPY	16670TDJP2V	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	JP	2007-508833	5106100	Granted	6-Apr-05	12-Oct-12	16670TDJP5N	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	JP	2011-100244	523884	Granted	6-Apr-05	5-Apr-05	16670TDJP3V	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	JP	2011-095466	504440	Granted	6-Apr-05	18-May-14	16670TDJP2V	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	NV	5325/DELMP/2006	HEMPY	Filed	6-Apr-05	HEMPY	16670TDN08N	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	SB	716165	2438767	Granted	18-Aug-07	21-May-08	16670TDGB12V	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	SB	506792	2422506	Granted	6-Apr-05	31-Oct-07	16670TDGB03U	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	SB	57327955	1735361	Granted	6-Apr-05	25-Nov-09	16670TDGB16T	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	FR	57327955	1735361	Granted	6-Apr-05	25-Nov-09	16670TDFR16T	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	DE	57327955	1735361	Granted	6-Apr-05	25-Nov-09	16670TDDE14T	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	CN	2005900102517	10200800010267	Granted	6-Apr-05	13-Oct-10	16670TDCC05N	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16670TD	CA	25601702	HEMPY	Filed	6-Apr-05	HEMPY	16670TDCA05N	DIFFERENTIAL FORWARDING IN ADDRESS-BASED CARRIER NETWORKS		
16651RN	WO	PCT/JP2001/001389	HEMPY	Inactive	11-Aug-10	HEMPY	16651RNWO07	AUTOMATED SESSION ADVERTISEMENT		
16651RN	EP	102012-706286	HEMPY	Filed	11-Aug-10	HEMPY	16651RNFR05N	AUTOMATED SESSION ADVERTISEMENT		
16651RN	JP	2012-524300	HEMPY	Filed	11-Aug-10	HEMPY	16651RNJP07N	AUTOMATED SESSION ADVERTISEMENT		
16651RN	HK	131056765	HEMPY	Filed	11-Aug-10	HEMPY	16651RNHK05N	AUTOMATED SESSION ADVERTISEMENT		
16651RN	EP	106860075	HEMPY	Filed	11-Aug-10	HEMPY	16651RNEP07	AUTOMATED SESSION ADVERTISEMENT		
16651RN	CN	2010800457765	HEMPY	Filed	11-Aug-10	HEMPY	16651RNC05N	AUTOMATED SESSION ADVERTISEMENT		
16651RN	CA	27711001	HEMPY	Filed	11-Aug-10	HEMPY	16651RNC05N	AUTOMATED SESSION ADVERTISEMENT		
16878RO	CA	26181722	HEMPY	Filed	25-Jul-06	HEMPY	16878ROC05N	NETWORK CONTROLLED CUSTOMER SERVICE GATEWAY FOR FACILITATING MULTIMEDIA SERVICES OVER A COMMON NETWORK		
16928RO	SB	5767743	1768866	Granted	25-May-05	21-Aug-13	16928ROSB10	CONNECTIVITY FAULT NOTIFICATION		
16928RO	FR	5767743	1768866	Granted	25-May-05	21-Aug-13	16928ROFR10	CONNECTIVITY FAULT NOTIFICATION		
16928RO	EP	13181097	HEMPY	Filed	25-May-05	HEMPY	16928ROEP11V	CONNECTIVITY FAULT NOTIFICATION		
16928RO	EP	5767743	1768866	Inactive	25-May-05	21-Aug-13	16928ROEP07	CONNECTIVITY FAULT NOTIFICATION		
16928RO	DE	602005E411	1768866	Granted	25-May-05	21-Aug-13	16928RODE07	CONNECTIVITY FAULT NOTIFICATION		
16928RO	CN	2005900016173	HEMPY	Filed	25-May-05	HEMPY	16928ROC05N	METHOD AND SYSTEM FOR CONNECTIVITY FAULT NOTIFICATION		
16928RO	CA	2560392	HEMPY	Filed	25-May-05	HEMPY	16928ROC05N	CONNECTIVITY FAULT NOTIFICATION		
16989RO	EP	5755372	HEMPY	Filed	29-Apr-05	HEMPY	16989ROEP07	METHOD AND SYSTEM FOR QUALITY OF SERVICE SUPPORT FOR ETHERNET MULTISERVICE INTERWORKING OVER MULTIPROTOCOL LABEL SWITCHING		
17058RO	EP	57828245	HEMPY	Filed	25-Aug-05	HEMPY	17058ROEP07	SERVICE EDGE PLATFORM ARCHITECTURE FOR A MULTI-SERVICE ACCESS NETWORK		
17059RN	EP	68817773	HEMPY	Filed	29-Dec-06	HEMPY	17059RNPP07	GENERIC SNMP INFORMATION COLLECTION		
17121UD	SB	5088626	2415321	Granted	24-Feb-07	14-Feb-07	17121UDSB0U	INTELLIGENT CONNECTION MANAGEMENT		
17154SS	WO	PCT/US2006/020949	HEMPY	Filed	22-Jun-05	HEMPY	17154SSWO05W	BACKBONE PROVIDER BRIDGING NETWORKS		
17154SS	EP	5763802	HEMPY	Filed	22-Jun-05	HEMPY	17154SSFR07	BACKBONE PROVIDER BRIDGING NETWORKS		
17154SS	CA	25711795	25711795	Granted	22-Jun-05	22-Oct-13	17154SSCA07N	BACKBONE PROVIDER BRIDGING NETWORKS		
17161RO	EP	57635082	HEMPY	Filed	28-Jun-05	HEMPY	17161ROEP07	LAYER-2 TO MPLS SERVICE MEDIATION ARCHITECTURE		
17162UD	SB	5001138	2422962	Granted	6-Jan-05	13-Jan-10	17162UDSB0U	INTEGRATED OPTICAL TRANSMITTER		
17462RO	EP	102008-7016953	HEMPY	Filed	8-Dec-05	HEMPY	17462ROC05N	SESSION INITIATION PROTOCOL (SIP) MULTICAST MANAGEMENT METHOD		
17462RO	EP	59532714	HEMPY	Filed	8-Dec-05	HEMPY	17462ROC05N	SESSION INITIATION PROTOCOL (SIP) MULTICAST MANAGEMENT METHOD		
17462RO	CN	200590052530X	10200800052530	Granted	8-Dec-05	14-Jun-12	17462ROC05N	SESSION INITIATION PROTOCOL (SIP) MULTICAST MANAGEMENT METHOD		
17471AU	SB	5085702	1 672 869	Granted	7-Dec-05	27-Jun-12	17471AUSB0E	SHARING OF AUTHENTICATED DATA		
17471AU	FR	5085702	1 672 869	Granted	7-Dec-05	27-Jun-12	17471AUFR0E	SHARING OF AUTHENTICATED DATA		
17471AU	EP	5085702	1 672 869	Inactive	7-Dec-05	27-Jun-12	17471AUEP0E	SHARING OF AUTHENTICATED DATA		
17471AU	DE	602005E411	1 672 869	Granted	7-Dec-05	27-Jun-12	17471AUDE0E	SHARING OF AUTHENTICATED DATA		
17478RO	EP	6777345	HEMPY	Filed	21-Jun-06	HEMPY	17478ROEP07	TIMELY RECOVERY FOR MEDIA ON DEMAND STREAMING		
17558RN	NV	3544/DELMP/2006	HEMPY	Filed	12-Sep-06	HEMPY	17558RNV06N	INTERACTIVE COMMUNICATION SESSION COOKIES		
17558RN	EP	67554663	HEMPY	Filed	12-Sep-06	HEMPY	17558RNV07	INTERACTIVE COMMUNICATION SESSION COOKIES		
17624RO	EP	102008-7009248	10-130434	Granted	22-Jun-06	25-Aug-13	17624ROC05N	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH RHOED INFRASTRUCTURE BASED RELAYS		
17624RO	EP	102013-7000455	10-1388381	Granted	22-Jun-06	21-Feb-14	17624ROC05V	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH RHOED INFRASTRUCTURE BASED RELAYS		
17624RO	EP	102013-7025777	10-1423004	Granted	22-Jun-06	12-Aug-14	17624ROC05ZV	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH RHOED INFRASTRUCTURE BASED RELAYS		
17624RO	HK	131029831	1122970	Granted	22-Jun-06	31-May-13	17624ROHK05N	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH RHOED INFRASTRUCTURE BASED RELAYS		
17624RO	EP	6761079	HEMPY	Filed	22-Jun-06	HEMPY	17624ROEP07	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH RHOED INFRASTRUCTURE BASED RELAYS		
17624RO	CN	20121055232	HEMPY	Filed	22-Jun-06	HEMPY	17624ROC05V	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH RHOED INFRASTRUCTURE BASED RELAYS		
17624RO	CN	200690092474	200690092474	Granted	22-Jun-06	15-Dec-12	17624ROC05N	COVERAGE IMPROVEMENT IN WIRELESS SYSTEMS WITH RHOED INFRASTRUCTURE BASED RELAYS		
17708RO	EP	68317908	HEMPY	Filed	21-Dec-06	HEMPY	17708ROEP07	GEOGRAPHIC REDUNDANCY IN COMMUNICATION NETWORKS		
17758RO	JP	2006-55987	4875983	Granted	5-Sep-06	2-Dec-11	17758ROJP05N	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS		

Number	Category	Code	Description	Status	Date	Applicant	Agency	Topic	Abstract
177380	SB	6759354	1 548 474	granted	5-Sep-06	11-Nov-17	177380C0617	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS	
177380	SB	12152834	1 442 408	granted	5-Sep-06	20-Nov-13	177380C0617V	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS	
177380	FR	6759354	1 548 474	granted	5-Sep-06	11-Nov-17	177380C0617	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS	
177380	FR	12152834	1 442 408	granted	5-Sep-06	20-Nov-13	177380C0617V	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS	
177380	EP	13179339	EMPTY	Filed	5-Sep-06		177380C0617V	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS	
177380	EP	12152834	1 442 408	Inactive	5-Sep-06		177380C0617V	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS	
177380	DE	12152834	1 442 408	granted	5-Sep-06	20-Nov-13	177380C0617V	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS	
177380	DE	610004411	1 346 474	granted	5-Sep-06	11-Nov-17	177380C0617V	EFFICIENT DATA TRANSMISSION AND TRAINING OF DATA PROCESSING FUNCTIONS	
177730	SB	6075538	1 758 320	granted	19-Aug-06	21-Apr-07	177730C062E	FORWARDING TABLE MINIMIZATION IN ETHERNET SWITCHES	
177730	FR	6075538	1 758 320	granted	19-Aug-06	21-Apr-07	177730C062E	FORWARDING TABLE MINIMIZATION IN ETHERNET SWITCHES	
177730	DE	6075538	1 758 320	granted	19-Aug-06	21-Apr-07	177730C062E	FORWARDING TABLE MINIMIZATION IN ETHERNET SWITCHES	
177730	CN	200610212718	020601021271	granted	25-Aug-06	30-Mar-11	177730C062U	FORWARDING TABLE MINIMIZATION IN ETHERNET SWITCHES	
177800	SB	6775261	1 543 785	granted	22-Sep-06	24-Aug-11	177800C067Y	MULTILINE TRAINING FOR ENCAPSULATED TRAFFIC	
177800	FR	6775261	1 543 785	granted	22-Sep-06	24-Aug-11	177800C067Y	MULTILINE TRAINING FOR ENCAPSULATED TRAFFIC	
177800	DE	6775261	1 543 785	granted	22-Sep-06	24-Aug-11	177800C067Y	MULTILINE TRAINING FOR ENCAPSULATED TRAFFIC	
177800	HK	8113261	EMPTY	Filed	19-Oct-07		177800C067U	TECHNIQUE FOR DYNAMICALLY CONTROLLING DELIVERY OF CONTENT	
177800	EP	7204263	EMPTY	Filed	19-Oct-07		177800C062E	TECHNIQUE FOR DYNAMICALLY CONTROLLING DELIVERY OF CONTENT	
17828R	EP	5292092	EMPTY	Filed	29-Sep-06		17828R062E	METHOD FOR SUPPLYING POWER TO A DEVICE LIGHT POWER CONTROL FOR SOLAR SENSOR DEVICES	
17828R	HK	5102675	EMPTY	Filed	19-Sep-06		17828R062U	METHOD AND APPARATUS FOR PROVIDING AVAILABILITY METRICS FOR MEASUREMENT AND MANAGEMENT OF ETHERNET SERVICES	
17828R	SB	8118353	1 246 758	granted	19-Sep-06	16-Feb-11	17828R062E	METHOD AND APPARATUS FOR PROVIDING AVAILABILITY METRICS FOR MEASUREMENT AND MANAGEMENT OF ETHERNET SERVICES	
17828R	IN	1465WCOLM2008	EMPTY	Filed	11-Sep-06		17828R062E	PROVIDER BACKCONE ETHESIS - PROVIDER BACKCONE TRANSPORT INTERNETWORKING	
17828R	EP	13188563	EMPTY	Filed	11-Sep-06		17828R062V	PROVIDER BACKCONE ETHESIS - PROVIDER BACKCONE TRANSPORT INTERNETWORKING	
17828R	EP	6759663	EMPTY	Filed	11-Sep-06		17828R062E	PROVIDER BACKCONE ETHESIS - PROVIDER BACKCONE TRANSPORT INTERNETWORKING	
17828R	CN	20068004890X	EMPTY	Filed	11-Sep-06		17828R062AN	PROVIDER BACKCONE ETHESIS - PROVIDER BACKCONE TRANSPORT INTERNETWORKING	
179130	EP	7705072	EMPTY	Filed	30-Jan-07		179130E02T	METHOD AND DEVICE FOR CONNECTING SEPARATE SPANNING TREE NETWORKS	
179270	SB	6759586	1 517 779	granted	25-Aug-06	22-Feb-12	179270C067T	MULTI-SEGMENT PSEUDO-WIRES	
179270	FR	6759586	1 517 779	granted	25-Aug-06	22-Feb-12	179270C067T	MULTI-SEGMENT PSEUDO-WIRES	
179270	EP	6759586	1 517 779	granted	25-Aug-06	22-Feb-12	179270C067T	MULTI-SEGMENT PSEUDO-WIRES	
179270	DE	6759586	1 517 779	granted	25-Aug-06	22-Feb-12	179270C067T	MULTI-SEGMENT PSEUDO-WIRES	
179390	EP	6814341	EMPTY	Filed	12-Sep-06		179390E02E	FORWARDING PLANE DATA COMMUNICATIONS CHANNEL FOR ETHERNET TRANSPORT NETWORKS	
179980	FR	10-2008-701116	10-1342944	granted	12-Oct-06	12-Oct-13	179980R08N	GNPIS CONTROL OF ETHERNET	
179980	JP	2008-534887	483232	granted	12-Oct-06	29-Sep-11	179980R08N	GNPIS CONTROL OF ETHERNET	
179980	IN	1551WOLMP2008	EMPTY	Filed	12-Oct-06		179980R07N	GNPIS CONTROL OF ETHERNET	
179980	CN	2006500455642	EMPTY	Filed	12-Oct-06		179980R082N	GNPIS CONTROL OF ETHERNET	
179980	CA	2,624,369	EMPTY	Filed	12-Oct-06		179980R04AN	GNPIS CONTROL OF ETHERNET	
180175	EP	13178831	EMPTY	Filed	26-Jun-07		180175E03V	METHOD AND APPARATUS FOR DETECTING UNSOLICITED MULTIMEDIA COMMUNICATIONS	
180175	EP	7702663	EMPTY	Filed	26-Jun-07		180175E02T	METHOD AND APPARATUS FOR DETECTING UNSOLICITED MULTIMEDIA COMMUNICATIONS	
180175	EP	10182883	EMPTY	Filed	26-Jun-07		180175E03V	METHOD AND APPARATUS FOR DETECTING UNSOLICITED MULTIMEDIA COMMUNICATIONS	
180680	EP	7021408	EMPTY	Filed	2-Nov-07		180680E02E	TIME-SHIFTED BROADCAST DELIVERY	
180680	CA	2,600,869	EMPTY	Filed	2-Nov-07		180680R042U	TIME-SHIFTED BROADCAST DELIVERY	
181580	SB	811147	1 247 378	granted	12-Sep-06	6-Jul-11	181580B04N	DYNAMIC NETWORK IDENTITY AND POLICY MANAGEMENT	
181280	HK	5112345	EMPTY	Filed	26-Sep-07		181280R06AT	A METHOD AND SYSTEM FOR PREDICTING THE ADOPTION OF SERVICES, SUCH AS TELECOMMUNICATION SERVICES	
181280	EP	7813984	EMPTY	Filed	26-Sep-07		181280E02T	A METHOD AND SYSTEM FOR PREDICTING THE ADOPTION OF SERVICES, SUCH AS TELECOMMUNICATION SERVICES	
181340	EP	12188831	EMPTY	Filed	24-Sep-07		181340E03V	METHOD AND APPARATUS FOR ENABLING COMMUTER GROUPS	
181340	EP	7815811	EMPTY	Inactive	24-Sep-07		181340E02T	METHOD AND APPARATUS FOR ENABLING COMMUTER GROUPS	
181340	CA	2,664,234	EMPTY	Filed	24-Sep-07		181340R042N	METHOD AND APPARATUS FOR ENABLING COMMUTER GROUPS	
181780	FR	10-2010-7014888	EMPTY	Filed	12-Oct-08		181780R08N	METHOD AND SYSTEM FOR LOOPING BACK TRAFFIC IN Q10 ETHERNET RINGS AND L11 PROTECTED PET TRUNKS	
181780	JP	2010-537222	EMPTY	Filed	12-Oct-08		181780R08N	METHOD AND SYSTEM FOR LOOPING BACK TRAFFIC IN Q10 ETHERNET RINGS AND L11 PROTECTED PET TRUNKS	
181780	JP	2010-147779	EMPTY	Filed	12-Oct-08		181780R081V	METHOD AND SYSTEM FOR LOOPING BACK TRAFFIC IN Q10 ETHERNET RINGS AND L11 PROTECTED PET TRUNKS	
181780	IN	6004/D/EMP/2010	EMPTY	Filed	12-Oct-08		181780R082N	METHOD AND SYSTEM FOR LOOPING BACK TRAFFIC IN Q10 ETHERNET RINGS AND L11 PROTECTED PET TRUNKS	
181780	EP	8693766	EMPTY	Filed	12-Oct-08		181780E02T	METHOD AND SYSTEM FOR LOOPING BACK TRAFFIC IN Q10 ETHERNET RINGS AND L11 PROTECTED PET TRUNKS	
181780	CN	20088025120X	EMPTY	Filed	12-Oct-08		181780R082AN	METHOD AND SYSTEM FOR LOOPING BACK TRAFFIC IN Q10 ETHERNET RINGS AND L11 PROTECTED PET TRUNKS	
181780	CA	2,708,671	EMPTY	Filed	12-Oct-08		181780R042N	METHOD AND SYSTEM FOR LOOPING BACK TRAFFIC IN Q10 ETHERNET RINGS AND L11 PROTECTED PET TRUNKS	
181880	EP	7825126	EMPTY	Filed	25-Sep-07		181880E02T	SYSTEM AND METHOD FOR JOINING A CONFERENCE CALL OR MULTIMEDIA CONFERENCE	
181880	CA	2,665,812	EMPTY	Filed	25-Sep-07		181880R042N	SYSTEM AND METHOD FOR JOINING A CONFERENCE CALL OR MULTIMEDIA CONFERENCE	
182010	FR	10-2007-0098178	136628	granted	28-Sep-07	18-Feb-14	182010R082U	METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS	
182010	IN	1274/WK/2007	EMPTY	Filed	11-Sep-07		182010R082U	METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS	
182010	HK	81107994	EMPTY	Filed	29-Sep-08		182010R082U	METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS	
182010	EP	7017383	EMPTY	Filed	5-Sep-07		182010E02E	METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS	
182010	CN	20120163801	EMPTY	Filed	26-Sep-07		182010R082V	METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS	
182010	CN	20070161893	020070161893	granted	26-Sep-07	18-Jul-12	182010R082U	METHOD AND SYSTEM FOR TRUSTED CONTEXTUAL COMMUNICATIONS	
18206R	EP	7825941	EMPTY	Filed	12-Sep-07		18206R0E02E	CLOSED CAPTIONING LANGUAGE TRANSLATION	
18206R	EP	12180741	EMPTY	Filed	12-Sep-07		18206R0E02E	CLOSED CAPTIONING LANGUAGE TRANSLATION	
18207R	FR	10-2005-7005980	EMPTY	Filed	17-Oct-07		18207R0R08N	METHOD OF CONFIGURING A NODE, RELATED NODE AND CONFIGURATION SERVER	
18207R	EP	10-2014-7028511	EMPTY	Filed	17-Oct-07		18207R0R08V	METHOD OF CONFIGURING A NODE, RELATED NODE AND CONFIGURATION SERVER	
18207R	EP	7866487	EMPTY	Filed	17-Oct-07		18207R0E02T	METHOD OF CONFIGURING A NODE, RELATED NODE AND CONFIGURATION SERVER	
18207R	CN	201301048047	EMPTY	Filed	17-Oct-07		18207R0R07V	METHOD OF CONFIGURING A NODE, RELATED NODE AND CONFIGURATION SERVER	
18207R	CN	2007008089501	2007008089501	granted	17-Oct-07	22-May-13	18207R0R08N	METHOD OF CONFIGURING A NODE, RELATED NODE AND CONFIGURATION SERVER	
182180	FR	10-2005-7005905	EMPTY	Filed	13-Sep-07		182180R08N	DIGITAL MEDIA RECORDER BASED ADVERTISING	
182180	EP	10-2013-7028989	EMPTY	Filed	9-Oct-13		182180R0812V	DIGITAL MEDIA RECORDER BASED ADVERTISING	
182180	JP	2009-527913	EMPTY	Filed	13-Sep-07		182180R082N	DIGITAL MEDIA RECORDER BASED ADVERTISING	
182180	JP	2013-171361	EMPTY	Filed	22-Aug-13		182180R0811V	DIGITAL MEDIA RECORDER BASED ADVERTISING	
182180	HK	101062974	EMPTY	Filed	13-Sep-07		182180R082V	DIGITAL MEDIA RECORDER BASED ADVERTISING	
182180	EP	78045103	EMPTY	Filed	13-Sep-07		182180E02T	DIGITAL MEDIA RECORDER BASED ADVERTISING	
182180	EP	12171348	EMPTY	Filed	13-Sep-07		182180E03V	DIGITAL MEDIA RECORDER BASED ADVERTISING	
182180	EP	12171363	EMPTY	Filed	13-Sep-07		182180E03V	DIGITAL MEDIA RECORDER BASED ADVERTISING	
182180	CA	2,663,405	EMPTY	Filed	13-Sep-07		182180R042N	DIGITAL MEDIA RECORDER BASED ADVERTISING	
182180	HK	101012011	EMPTY	Filed	11-Jun-07		182180R0811V	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS	
182180	HK	101022273	EMPTY	Filed	5-Mar-10		182180R082N	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS	
182180	HK	101022723	HK133524	granted	5-Mar-10	16-May-13	182180R082N	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS	
182180	SB	7840295	1 207 674	granted	13-Jun-07	23-Oct-13	182180E01T	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS	
182180	FR	7840295	1 207 674	granted	13-Jun-07	23-Oct-13	182180R082T	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS	
182180	EP	13120165	EMPTY	Filed	13-Jun-07		182180E03V	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS	
182180	EP	7840295	1 207 674	Inactive	13-Jun-07	23-Oct-13	182180E02T	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS	
182180	DE	7840295	1 207 674	granted	13-Jun-07	23-Oct-13	182180E06E	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS	
182180	CN	2007002029331	0200700202933	granted	13-Jun-07	14-Aug-12	182180R082N	SUPPORTING MULTI-PROTOCOL LABEL SWITCHING (MPLS) APPLICATIONS OVER ETHERNET SWITCH PATHS	
18288R	HK	8113336	EMPTY	Filed	6-Oct-06		18288R0612U	MESSAGE MAPPING FOR FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT	
18288R	EP	7024922	EMPTY	Filed	21-Oct-07		18288R0E02E	MESSAGE MAPPING FOR FORCED HOLD CALL HANDLING IN A VOP ENVIRONMENT	
182900	SE	6878452	1 543 782	granted	2-Oct-06	29-Mar-12	182900R0612E	PROVIDER LINK STATE BRIDGING	

885860	JP	2012-236542	HEMPY	Filed	31-Oct-02	HEMPY	885860P087	DAM FOR DIFFERENTIAL FORWARDING IN ADDRESS BASED NETWORKS
885860	EP	7839564	HEMPY	Filed	31-Oct-02	HEMPY	885860EP040	DAM FOR DIFFERENTIAL FORWARDING IN ADDRESS BASED NETWORKS
885860	CN	20130252699	HEMPY	Filed	31-Oct-02	HEMPY	885860CN059	DAM FOR DIFFERENTIAL FORWARDING IN ADDRESS BASED NETWORKS
885860	CN	20078040851, 0200793040851	HEMPY	Granted	31-Oct-02	20-04-13	885860CN079	DAM FOR DIFFERENTIAL FORWARDING IN ADDRESS BASED NETWORKS
885860	CA	2,657,581	HEMPY	Filed	31-Oct-02	HEMPY	885860CA029	ETHERNET DAM AT IN-TRENDADE MODES IN A P2P NETWORK
885820	EP	81482703	HEMPY	Filed	7-May-06	HEMPY	885820EP040	FACILITATING AUTOMATIC PROTECTION SWITCHING FOR PROVIDER BACKBONE NETWORK
885820	CN	20088002507	HEMPY	Filed	7-May-06	HEMPY	885820CN029	FACILITATING AUTOMATIC PROTECTION SWITCHING FOR PROVIDER BACKBONE NETWORK
885820	CA	2,683,571	HEMPY	Filed	7-May-06	HEMPY	885820CA029	FACILITATING AUTOMATIC PROTECTION SWITCHING FOR PROVIDER BACKBONE NETWORK
885800	JP	2013-201864	HEMPY	Filed	17-Jan-06	HEMPY	885800JP129	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
885800	JP	2013-201865	HEMPY	Filed	17-Jan-06	HEMPY	885800JP130	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
885800	EP	2009-546521	HEMPY	Granted	17-Jan-06	21-Oct-13	885800EP049	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
885800	EP	8727858	HEMPY	Filed	17-Jan-06	HEMPY	885800EP040	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
885800	CN	20130102846	HEMPY	Filed	17-Jan-06	HEMPY	885800CN119	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
885800	CN	200880002355, 020880002355	HEMPY	Filed	17-Jan-06	25-May-13	885800CN079	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
885800	CA	2,670,766	HEMPY	Filed	17-Jan-06	HEMPY	885800CA029	METHOD AND APPARATUS FOR INTERWORKING ETHERNET AND MPLS NETWORKS
885840	FR	102009-704603	HEMPY	Granted	15-Nov-07	15-Jul-14	885840FR079	HIERARCHICAL ROUTING FOR PLS
885840	GB	7821443.0 092 692	HEMPY	Granted	15-Nov-07	23-Apr-14	885840GB127	HIERARCHICAL ROUTING FOR PLS
885840	FR	7821443.0 092 692	HEMPY	Granted	15-Nov-07	23-Apr-14	885840FR117	HIERARCHICAL ROUTING FOR PLS
885840	EP	2318803.0	HEMPY	Filed	15-Nov-07	HEMPY	885840EP020	HIERARCHICAL ROUTING FOR PLS
885840	EP	7821443.0 092 692	HEMPY	Inactive	15-Nov-07	23-Apr-14	885840EP027	HIERARCHICAL ROUTING FOR PLS
885840	DE	7821443.0 092 692	HEMPY	Granted	15-Nov-07	23-Apr-14	885840DE107	HIERARCHICAL ROUTING FOR PLS
885840	CN	200780051172, 000780051177	HEMPY	Granted	15-Nov-07	27-Mar-13	885840CN029	HIERARCHICAL ROUTING FOR PLS
885840	CA	2,671,671	HEMPY	Filed	15-Nov-07	HEMPY	885840CA029	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
885880	FR	10-2011-704044	HEMPY	Filed	1-Jul-09	HEMPY	885880FR069	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
885880	JP	2011-520610	HEMPY	Filed	1-Jul-09	HEMPY	885880JP070	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
885880	JP	2011-157217	HEMPY	Filed	1-Jul-09	HEMPY	885880JP100	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
885880	JP	2011-157217	HEMPY	Filed	1-Jul-09	HEMPY	885880JP110	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
885880	IN	610/CHEMP/2011	HEMPY	Filed	1-Jul-09	HEMPY	885880IN069	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
885880	EP	88205145	HEMPY	Filed	1-Jul-09	HEMPY	885880EP027	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
885880	CN	201102183341	HEMPY	Filed	1-Jul-09	HEMPY	885880CN020	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
885880	CN	200901337645, 020090133764	HEMPY	Granted	1-Jul-09	23-Jul-14	885880CN049	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
885880	BR	P1016251-8	HEMPY	Filed	1-Jul-09	HEMPY	885880BR029	MULTIMEDIA ARCHITECTURE FOR AUDIO AND VISUAL CONTENT
871000	KR	10-2011-7015338	HEMPY	Filed	1-Dec-09	HEMPY	871000KR070	ENHANCED CHANNEL SURFING
871000	JP	2011-539115	HEMPY	Filed	1-Dec-09	HEMPY	871000JP069	ENHANCED CHANNEL SURFING
871000	JP	2011-238851	HEMPY	Filed	1-Dec-09	HEMPY	871000JP080	ENHANCED CHANNEL SURFING
871000	EP	8830068.4	HEMPY	Filed	1-Dec-09	HEMPY	871000EP027	ENHANCED CHANNEL SURFING
871000	CN	20090155871.8	HEMPY	Filed	1-Dec-09	HEMPY	871000CN049	ENHANCED CHANNEL SURFING
871000	CA	2,745,322	HEMPY	Filed	1-Dec-09	HEMPY	871000CA029	ENHANCED CHANNEL SURFING
873800	EP	8142460.1	HEMPY	Filed	18-Apr-06	HEMPY	873800EP027	FAILURE NOTIFICATION IN A NETWORK HAVING SERIALLY CONNECTED NODES
873800	CN	200880002623.3	HEMPY	Filed	18-Apr-06	HEMPY	873800CN029	FAILURE NOTIFICATION IN A NETWORK HAVING SERIALLY CONNECTED NODES
873800	CA	2,684,629	HEMPY	Filed	18-Apr-06	HEMPY	873800CA029	FAILURE NOTIFICATION IN A NETWORK HAVING SERIALLY CONNECTED NODES
873500	GB	8705873.0 2.100.836	HEMPY	Granted	17-Jan-06	6-Mar-14	873500GB127	BORDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
873500	FR	8705873.0 2.100.836	HEMPY	Granted	17-Jan-06	6-Mar-14	873500FR127	BORDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
873500	EP	12177366.9	HEMPY	Filed	17-Jan-06	HEMPY	873500EP020	BORDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
873500	EP	8705873.0 2.100.836	HEMPY	Inactive	17-Jan-06	6-Mar-14	873500EP027	BORDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
873500	DE	602008 027 890.5	HEMPY	Granted	17-Jan-06	6-Mar-14	873500DE107	BORDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
873500	CN	2013010611.8	HEMPY	Filed	17-Jan-06	HEMPY	873500CN020	BORDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
873500	CN	2008800018.3, 20088000241.8	HEMPY	Granted	17-Jan-06	1-May-13	873500CN029	BORDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
873500	CA	2,674,109	HEMPY	Filed	17-Jan-06	HEMPY	873500CA029	BORDER GATEWAY PROTOCOL PROCEDURES FOR MULTI-PROTOCOL LABELSWITCHING AND LAYER-2 VIRTUAL PRIVATE NETWORKS USING ETHERNET-BASED TUNNELS
873500	IN	3487/CHEMP/2008	HEMPY	Filed	17-Jan-06	HEMPY	873500IN070	BORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATTRIBUTE FOR LAYER-2 AND LAYER-3 VIRTUAL PRIVATE NETWORKS USING R02.140-BASED TUNNELS
873500	EP	8713786.4	HEMPY	Filed	17-Jan-06	HEMPY	873500EP040	BORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATTRIBUTE FOR LAYER-2 AND LAYER-3 VIRTUAL PRIVATE NETWORKS USING R02.140-BASED TUNNELS
873500	CN	20110408492.3	HEMPY	Filed	17-Jan-06	HEMPY	873500CN120	BORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATTRIBUTE FOR LAYER-2 AND LAYER-3 VIRTUAL PRIVATE NETWORKS USING R02.140-BASED TUNNELS
873500	CN	200880002344.3, 200880002344.3	HEMPY	Granted	17-Jan-06	04-Apr-14	873500CN029	BORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATTRIBUTE FOR LAYER-2 AND LAYER-3 VIRTUAL PRIVATE NETWORKS USING R02.140-BASED TUNNELS
873500	CA	2,674,201	HEMPY	Filed	17-Jan-06	HEMPY	873500CA029	BORDER GATEWAY PROTOCOL EXTENDED COMMUNITY ATTRIBUTE FOR LAYER-2 AND LAYER-3 VIRTUAL PRIVATE NETWORKS USING R02.140-BASED TUNNELS
882300	KR	10-2010-7017231	HEMPY	Filed	30-Dec-08	HEMPY	882300KR029	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
882300	JP	10-2010-702264	HEMPY	Filed	30-Dec-08	HEMPY	882300JP130	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
882300	JP	2010-545440	HEMPY	Granted	30-Dec-08	14-Jul-14	882300JP080	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
882300	JP	2010-545223	HEMPY	Granted	30-Dec-08	30-May-14	882300JP110	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
882300	IN	3520/CHEMP/2010	HEMPY	Filed	30-Dec-08	HEMPY	882300IN070	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
882300	EP	12155975.7	HEMPY	Filed	30-Dec-08	HEMPY	882300EP100	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
882300	EP	8870391.0	HEMPY	Filed	30-Dec-08	HEMPY	882300EP027	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
882300	CN	2011058497.0	HEMPY	Filed	30-Dec-08	HEMPY	882300CN120	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
882300	CN	200880127493.8, 0200880127493	HEMPY	Granted	30-Dec-08	27-Aug-14	882300CN029	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
882300	BR	P10821564-3	HEMPY	Filed	30-Dec-08	HEMPY	882300BR040	IP FORWARDING ACROSS A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
883800	EP	8751719	HEMPY	Filed	2-Jun-06	HEMPY	883800EP027	DISTRIBUTED CONNECTION ESTABLISHMENT AND RESTORATION
883800	CN	200880018483.0, 0200880018483	HEMPY	Granted	2-Jun-06	16-Jan-13	883800CN049	DISTRIBUTED CONNECTION ESTABLISHMENT AND RESTORATION
883800	CA	2,687,882	HEMPY	Filed	2-Jun-06	HEMPY	883800CA029	DISTRIBUTED CONNECTION ESTABLISHMENT AND RESTORATION
885800	FR	10-2011-709579	HEMPY	Filed	10-Sep-09	HEMPY	885800FR069	RANKING SEARCH RESULTS BASED ON AFFINITY CRITERIA
885800	JP	2011-526595	HEMPY	Filed	10-Sep-09	HEMPY	885800JP070	RANKING SEARCH RESULTS BASED ON AFFINITY CRITERIA
885800	IN	1740/CHEMP/2011	HEMPY	Filed	10-Sep-09	HEMPY	885800IN069	RANKING SEARCH RESULTS BASED ON AFFINITY CRITERIA
885800	EP	8912751.7	HEMPY	Filed	10-Sep-09	HEMPY	885800EP027	RANKING SEARCH RESULTS BASED ON AFFINITY CRITERIA
885800	CN	200980135530.7	HEMPY	Filed	10-Sep-09	HEMPY	885800CN049	RANKING SEARCH RESULTS BASED ON AFFINITY CRITERIA
885800	BR	P1037925-0	HEMPY	Filed	10-Sep-09	HEMPY	885800BR029	RANKING SEARCH RESULTS BASED ON AFFINITY CRITERIA
885900	GB	8140675.0	HEMPY	Granted	1-Aug-08	14-Oct-08	885900GB040	METHOD AND APPARATUS FOR INTERWORKING MPLS AND P2P NETWORKS
882300	WO	PCT/CA2012/050327	HEMPY	Filed	22-May-12	HEMPY	882300WO030	THE GREATING IN SHORTEST PATH DETERMINATION
882300	FR	10-2010-701657	HEMPY	Filed	11-Dec-08	HEMPY	882300FR069	THE GREATING IN SHORTEST PATH DETERMINATION
882300	FR	10-2010-702299	HEMPY	Filed	22-May-12	HEMPY	882300FR029	THE GREATING IN SHORTEST PATH DETERMINATION
882300	JP	2013-183368	HEMPY	Filed	11-Dec-08	HEMPY	882300JP140	THE GREATING IN SHORTEST PATH DETERMINATION
882300	JP	PCT/CA2012/050327	HEMPY	Filed	22-May-12	HEMPY	882300JP240	THE GREATING IN SHORTEST PATH DETERMINATION
882300	JP	2010-545088	HEMPY	Granted	11-Dec-08	13-Sep-13	882300JP070	THE GREATING IN SHORTEST PATH DETERMINATION
882300	IN	PCT/CA2012/050327	HEMPY	Filed	22-May-12	HEMPY	882300IN020	THE GREATING IN SHORTEST PATH DETERMINATION
882300	IN	2276/CHEMP/2010	HEMPY	Filed	11-Dec-08	HEMPY	882300IN069	THE GREATING IN SHORTEST PATH DETERMINATION
882300	HK	131116674.0	HEMPY	Filed	11-Dec-08	HEMPY	882300HK030	THE GREATING IN SHORTEST PATH DETERMINATION
882300	EP	88783724.2	HEMPY	Filed	11-Dec-08	HEMPY	882300EP027	THE GREATING IN SHORTEST PATH DETERMINATION
882300	EP	121388734.0	HEMPY	Filed	11-Dec-08	HEMPY	882300EP120	THE GREATING IN SHORTEST PATH DETERMINATION
882300	EP	PCT/CA2012/050327	HEMPY	Filed	22-May-12	HEMPY	882300EP227	THE GREATING IN SHORTEST PATH DETERMINATION
882300	CN	201200378322.2	HEMPY	Filed	22-May-12	HEMPY	882300CN120	THE GREATING IN SHORTEST PATH DETERMINATION
882300	CN	2010101742222	HEMPY	Filed	11-Dec-08	HEMPY	882300CN030	THE GREATING IN SHORTEST PATH DETERMINATION
882300	CN	200880127542.0, 020088012754	HEMPY	Granted	11-Dec-08	13-Jun-14	882300CN049	THE GREATING IN SHORTEST PATH DETERMINATION

193236	CA	PCT/CA2012/095297	HENPTY	Filed	22-May-12	HEMPTT	38228CCACZM	THE-BREAKING IN SHORTEST PATH DETERMINATION
193236	CA	2,742,887	HENPTY	Filed	11-Dec-08	HEMPTT	38228CCACZM	THE-BREAKING IN SHORTEST PATH DETERMINATION
193236	BR	PI021546-4	HENPTY	Filed	11-Dec-08	HEMPTT	38228CCACZM	THE-BREAKING IN SHORTEST PATH DETERMINATION
193236	BR	BR 11 2014 029324-4	HENPTY	Filed	22-May-12	HEMPTT	38228CCACZM	THE-BREAKING IN SHORTEST PATH DETERMINATION
193310	FR	19 2015 701534	HENPTY	Filed	19-Dec-08	HEMPTT	38231DOP68W	EVOLUTION OF ETHERNET NETWORKS
193310	JP	2010-53928	HENPTY	Granted	27-Nov-05	HEMPTT	38231DOP68W	EVOLUTION OF ETHERNET NETWORKS
193310	IN	955/CHEMP/2201	HENPTY	Filed	19-Dec-08	HEMPTT	38231DOP68W	EVOLUTION OF ETHERNET NETWORKS
193310	EP	8885602	HENPTY	Filed	19-Dec-08	HEMPTT	38231DOP68W	EVOLUTION OF ETHERNET NETWORKS
193310	CN	20080125385-4	HENPTY	Filed	19-Dec-08	HEMPTT	38231DOP68W	EVOLUTION OF ETHERNET NETWORKS
193310	CA	2,747,007	HENPTY	Filed	19-Dec-08	HEMPTT	38231DOP68W	EVOLUTION OF ETHERNET NETWORKS
193380	RU	2011121624	HENPTY	Granted	27-Nov-05	HEMPTT	38238COCZM	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPUTER-GENERATED VIRTUAL ENVIRONMENT
193380	FR	19 2015 701537	HENPTY	Filed	27-Nov-05	HEMPTT	38238COCZM	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPUTER-GENERATED VIRTUAL ENVIRONMENT
193380	JP	2011-537807	HENPTY	Granted	27-Nov-05	HEMPTT	38238COCZM	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPUTER-GENERATED VIRTUAL ENVIRONMENT
193380	IN	955/CHEMP/2201	HENPTY	Filed	27-Nov-05	HEMPTT	38238COCZM	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPUTER-GENERATED VIRTUAL ENVIRONMENT
193380	EP	19291314	HENPTY	Filed	27-Nov-05	HEMPTT	38238COCZM	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPUTER-GENERATED VIRTUAL ENVIRONMENT
193380	CN	20080153863	HENPTY	Filed	27-Nov-05	HEMPTT	38238COCZM	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPUTER-GENERATED VIRTUAL ENVIRONMENT
193380	CA	2,746,364	HENPTY	Filed	27-Nov-05	HEMPTT	38238COCZM	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPUTER-GENERATED VIRTUAL ENVIRONMENT
193380	BR	PI0212201-1	HENPTY	Filed	27-Nov-05	HEMPTT	38238COCZM	METHOD AND APPARATUS FOR PROVIDING A VIDEO REPRESENTATION OF A THREE DIMENSIONAL COMPUTER-GENERATED VIRTUAL ENVIRONMENT
193700	RU	2011131928	HENPTY	Granted	13-Oct-05	HEMPTT	38703ORU2M	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
193700	FR	2011-709540	HENPTY	Filed	13-Oct-05	HEMPTT	38703ORU2M	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
193700	JP	2011-530545	HENPTY	Filed	13-Oct-05	HEMPTT	38703ORU2M	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
193700	IN	955/CHEMP/2201	HENPTY	Filed	13-Oct-05	HEMPTT	38703ORU2M	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
193700	EP	19251452	HENPTY	Filed	13-Oct-05	HEMPTT	38703ORU2M	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
193700	CN	20101026733	HENPTY	Filed	13-Oct-05	HEMPTT	38703ORU2M	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
193700	CN	20080155062	HENPTY	Granted	13-Oct-05	HEMPTT	38703ORU2M	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
193700	CA	2,743,544	HENPTY	Filed	13-Oct-05	HEMPTT	38703ORU2M	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
193700	BR	PI0210269-9	HENPTY	Filed	13-Oct-05	HEMPTT	38703ORU2M	METHOD AND SYSTEM FOR WEIGHTED FAIR QUEUING
19028N	FR	9	HENPTY	Filed	30-Dec-08	HEMPTT	150228M8S4V	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	FR	19 2014 7017016	HENPTY	Filed	30-Dec-08	HEMPTT	150228M8S4V	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	FR	19 2014 702494	HENPTY	Filed	30-Dec-08	HEMPTT	150228M8S4V	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	JP	2010-54043	HENPTY	Granted	12-Jul-13	HEMPTT	150228M8P0T	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	IN	3018/CHEMP/2202	HENPTY	Filed	30-Dec-08	HEMPTT	150228M8G6N	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	GB	8870245.9 2 227 873	HENPTY	Granted	30-Dec-08	HEMPTT	150228M8E1T	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	FR	8870245.9 2 227 873	HENPTY	Granted	30-Dec-08	HEMPTT	150228M8E1T	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	EP	19193117.2	HENPTY	Filed	30-Dec-08	HEMPTT	150228M8E9V	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	EP	8870245.9 2 227 873	HENPTY	Inactive	30-Dec-08	HEMPTT	150228M8E9V	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	DE	8870245.9 2 227 873	HENPTY	Granted	30-Dec-08	HEMPTT	150228M8E1T	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	CN	2014108512	HENPTY	Filed	30-Dec-08	HEMPTT	150228M8N1V	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
19028N	CN	20080127873-X	HENPTY	Granted	30-Dec-08	HEMPTT	150228M8N6N	MPLS P NODE REPLACEMENT USING A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190600	WO	PCT/AU2009/068493	HENPTY	Filed	17-Dec-09	HEMPTT	150269W0O2W	EXTENDED DIFFIE-HELLMAN GROUP KEY GENERATION
190658N	FR	19 2014 7017135	HENPTY	Filed	30-Dec-08	HEMPTT	150269M8R6N	IMPLEMENTATION OF PVPIS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190658N	FR	19 2014 7021083	HENPTY	Filed	4-Nov-14	HEMPTT	150269M8R4V	IMPLEMENTATION OF PVPIS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190658N	JP	2010-54042	HENPTY	Filed	30-Dec-08	HEMPTT	150269M8P08	IMPLEMENTATION OF PVPIS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190658N	IN	3018/CHEMP/2202	HENPTY	Granted	29-Jun-10	HEMPTT	150269M8P11V	IMPLEMENTATION OF PVPIS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190658N	IN	3018/CHEMP/2202	HENPTY	Filed	30-Dec-08	HEMPTT	150269M8O7N	IMPLEMENTATION OF PVPIS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190658N	EP	8870253.3	HENPTY	Filed	30-Dec-08	HEMPTT	150269M8E6T	IMPLEMENTATION OF PVPIS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190658N	CN	20141070291	HENPTY	Filed	30-Dec-08	HEMPTT	150269M8N1V	IMPLEMENTATION OF PVPIS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190658N	CN	20080127873-X	HENPTY	Granted	30-Dec-08	HEMPTT	150269M8N6N	IMPLEMENTATION OF PVPIS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190658N	BR	PI021652-2	HENPTY	Filed	30-Dec-08	HEMPTT	150269M8B6N	IMPLEMENTATION OF PVPIS OVER A LINK STATE PROTOCOL CONTROLLED ETHERNET NETWORK
190700	FR	19 2014 7010454	HENPTY	Filed	12-Oct-08	HEMPTT	150970R8R1N	IP NETWORK AND PERFORMANCE MONITORING USING ETHERNET OAM
190700	FR	19 2014 7010469	HENPTY	Filed	12-Oct-08	HEMPTT	150970R8R1N	AUTOMATIC MEP PROVISIONING IN A LINK STATE CONTROLLED ETHERNET NETWORK
190700	FR	19 2014 7025416	HENPTY	Filed	12-Oct-08	HEMPTT	150970R8R2V	IP NETWORK AND PERFORMANCE MONITORING USING ETHERNET OAM
190700	FR	19 2014 7027292	HENPTY	Filed	12-Oct-08	HEMPTT	150970R8R2V	IP NETWORK AND PERFORMANCE MONITORING USING ETHERNET OAM
190700	FR	19 2014 7030119	HENPTY	Filed	12-Oct-08	HEMPTT	150970R8R3V	IP NETWORK AND PERFORMANCE MONITORING USING ETHERNET OAM
190700	FR	19 2014 7010491	HENPTY	Filed	12-Oct-08	HEMPTT	150970R8R2N	CONTINUITY CHECK MANAGEMENT IN LINK STATE CONTROLLED ETHERNET NETWORK
190700	JP	2010-585376	HENPTY	Filed	12-Oct-08	HEMPTT	150970P0P28V	CONTINUITY CHECK MANAGEMENT IN
190700	JP	2014-246383	HENPTY	Filed	12-Oct-08	HEMPTT	150970P0P3V	CONTINUITY CHECK MANAGEMENT IN
190700	JP	2010-529145	HENPTY	Granted	13-Oct-08	HEMPTT	150970P0P28V	IP NETWORK AND PERFORMANCE
190700	JP	2010-529147	HENPTY	Granted	13-Oct-08	HEMPTT	150970P0P18N	AUTOMATIC MEP PROVISIONING
190700	JP	2010-529148	HENPTY	Granted	13-Oct-08	HEMPTT	150970P0P24N	CONTINUITY CHECK MANAGEMENT IN
190700	IN	2511/DELMP/2210	HENPTY	Filed	13-Oct-08	HEMPTT	150970N0N28N	CONTINUITY CHECK MANAGEMENT IN
190700	IN	2512/DELMP/2210	HENPTY	Filed	13-Oct-08	HEMPTT	150970N0N11N	IP NETWORK AND PERFORMANCE
190700	IN	2513/DELMP/2210	HENPTY	Filed	13-Oct-08	HEMPTT	150970N0N17N	AUTOMATIC MEP PROVISIONING
190700	EP	8838969	HENPTY	Filed	13-Oct-08	HEMPTT	150970CEP1T	AUTOMATIC MEP PROVISIONING
190700	EP	8837640.5	HENPTY	Filed	13-Oct-08	HEMPTT	150970CEP1T	IP NETWORK AND PERFORMANCE
190700	EP	8838426	HENPTY	Filed	13-Oct-08	HEMPTT	150970CEP2T	CONTINUITY CHECK MANAGEMENT IN
190700	CN	20080120443	HENPTY	Filed	13-Oct-08	HEMPTT	150970CCN21N	CONTINUITY CHECK MANAGEMENT IN
190700	CN	20130674602	HENPTY	Filed	13-Oct-08	HEMPTT	150970CCN3V	CONTINUITY CHECK MANAGEMENT IN
190700	CN	20080120263	HENPTY	Granted	13-Oct-08	HEMPTT	150970CCN15N	AUTOMATIC MEP PROVISIONING
190700	CN	20080120441	HENPTY	Granted	13-Oct-08	HEMPTT	150970CCN5N	IP NETWORK AND PERFORMANCE
190700	BR	PI0219246-9	HENPTY	Filed	13-Oct-08	HEMPTT	150970B0B2ZM	CONTINUITY CHECK MANAGEMENT IN
190700	BR	PI0219252-3	HENPTY	Filed	13-Oct-08	HEMPTT	150970B0B5N	IP NETWORK AND PERFORMANCE
190700	BR	PI0219254-0	HENPTY	Filed	13-Oct-08	HEMPTT	150970B0B15N	AUTOMATIC MEP PROVISIONING
190980	FR	19 2014 7010491	HENPTY	Filed	12-Oct-08	HEMPTT	152988R0R6N	MULTI-POINT AND ROOTED MULTI-POINT PROTECTION SWITCHING
190980	FR	19 2014 7029597	HENPTY	Filed	12-Oct-08	HEMPTT	152988R0R1V	MULTI-POINT AND ROOTED MULTI-POINT PROTECTION SWITCHING
190980	JP	2010-528350	HENPTY	Granted	12-Oct-08	HEMPTT	152988R0P0T0	PROTECTION SWITCHING FOR MULTI-POINT AND POINT-TO-MULTI-POINT SERVICES
190980	IN	5756/CHEMP/2210	HENPTY	Filed	13-Oct-08	HEMPTT	152988R0N6N	PROTECTION SWITCHING FOR MULTI-POINT AND POINT-TO-MULTI-POINT SERVICES
190980	EP	8837388	HENPTY	Filed	13-Oct-08	HEMPTT	152988R0E6T	MULTI-POINT AND ROOTED MULTI-POINT PROTECTION
190980	CN	20080120263	HENPTY	Filed	13-Oct-08	HEMPTT	152988R0C0N6N	PROTECTION SWITCHING FOR MULTI-POINT AND POINT-TO-MULTI-POINT SERVICES
190980	CN	20141086956-X	HENPTY	Filed	13-Oct-08	HEMPTT	152988R0C0N11V	PROTECTION SWITCHING FOR MULTI-POINT AND POINT-TO-MULTI-POINT SERVICES
191180	RU	2011125591	HENPTY	Filed	16-Dec-09	HEMPTT	151180R0R1M	TARGETED ADVERTISING SYSTEM AND METHOD
191180	FR	19 2014 7017165	HENPTY	Filed	16-Dec-09	HEMPTT	151180R0R5N	TARGETED ADVERTISING SYSTEM AND METHOD
191180	JP	2011-541692	HENPTY	Filed	16-Dec-09	HEMPTT	151180R0P08N	TARGETED ADVERTISING SYSTEM AND METHOD
191180	IN	4278/CHEMP/2201	HENPTY	Filed	16-Dec-09	HEMPTT	151180R0O7N	TARGETED ADVERTISING SYSTEM AND METHOD
191180	EP	98341902	HENPTY	Filed	16-Dec-09	HEMPTT	151180R0E6T	TARGETED ADVERTISING SYSTEM AND METHOD
191180	CN	20080153863	HENPTY	Filed	16-Dec-09	HEMPTT	151180R0C6N	TARGETED ADVERTISING SYSTEM AND METHOD
191180	CA	2,748,020	HENPTY	Filed	16-Dec-09	HEMPTT	151180R0C6N	TARGETED ADVERTISING SYSTEM AND METHOD
191180	BR	PI021225-6	HENPTY	Filed	16-Dec-09	HEMPTT	151180R0B6N	TARGETED ADVERTISING SYSTEM AND METHOD

SR#	STATUS	REQ#	DESCRIPTION	REQ STATUS	REQ DATE	REQ TYPE	REQ ID	REQ TITLE	REQ STATUS	REQ DATE	REQ TYPE	REQ ID	REQ TITLE
1512360	FR	10-2011-0712595	HENPTY	Filed	7-8-09	HEMP	1512360F978	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL	Filed	7-8-09	HEMP	1512360F978	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL
1512360	FR	2011-532871	HENPTY	Granted	7-8-09	HEMP	1512360F979	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL	Filed	7-8-09	HEMP	1512360F979	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL
1512360	FR	2011-532872	HENPTY	Filed	7-8-09	HEMP	1512360F980	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL	Filed	7-8-09	HEMP	1512360F980	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL
1512360	FR	2011-532873	HENPTY	Filed	7-8-09	HEMP	1512360F981	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL	Filed	7-8-09	HEMP	1512360F981	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL
1512360	FR	200860248697.9	HENPTY	Inactive	7-8-09	HEMP	1512360C982	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL	Filed	7-8-09	HEMP	1512360C982	UPLINK POWER CONTROL WITH INTERFERENCE-OVER-THERMAL (UPL) LOAD CONTROL
1512360	WO	PCT/CA2010/000289	HENPTY	Inactive	25-Jun-10	HEMP	1512360M029	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360M029	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	RU	2011-020478	HENPTY	Filed	25-Jun-10	HEMP	1512360U111	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360U111	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	FR	10-2011-0712640	HENPTY	Filed	25-Jun-10	HEMP	1512360F983	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360F983	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	FR	2011-512457	HENPTY	Filed	25-Jun-10	HEMP	1512360F984	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360F984	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	FR	2011-512458	HENPTY	Filed	25-Jun-10	HEMP	1512360F985	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360F985	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	FR	9777-CHEMP/2201	HENPTY	Filed	25-Jun-10	HEMP	1512360M029	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360M029	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	EP	10795482	HENPTY	Filed	25-Jun-10	HEMP	1512360E927	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360E927	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	CN	201080029186.X	HENPTY	Filed	25-Jun-10	HEMP	1512360C983	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360C983	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	CA	2,785,873	HENPTY	Filed	25-Jun-10	HEMP	1512360CA29	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360CA29	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	BR	P1010607-8	HENPTY	Filed	25-Jun-10	HEMP	1512360BR9A	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360BR9A	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	AU	2010289667	HENPTY	Filed	25-Jun-10	HEMP	1512360AU29	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS	Filed	25-Jun-10	HEMP	1512360AU29	METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO/DISTRIBUTION OF AUDIOVISUAL ASSETS
1512360	RU	2011128714	HENPTY	Filed	2-02-09	HEMP	1512360RU29	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT	Filed	2-02-09	HEMP	1512360RU29	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
1512360	FR	10-2011-071233	HENPTY	Filed	2-02-09	HEMP	1512360F986	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT	Filed	2-02-09	HEMP	1512360F986	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
1512360	JP	2011-540208	HENPTY	Filed	2-02-09	HEMP	1512360JP88	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT	Filed	2-02-09	HEMP	1512360JP88	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
1512360	IN	4251-CHEMP/2201	HENPTY	Filed	2-02-09	HEMP	1512360IN76	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT	Filed	2-02-09	HEMP	1512360IN76	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
1512360	EP	9834384	HENPTY	Filed	2-02-09	HEMP	1512360E928	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT	Filed	2-02-09	HEMP	1512360E928	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
1512360	CN	200805120241.5	HENPTY	Filed	2-02-09	HEMP	1512360C984	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT	Filed	2-02-09	HEMP	1512360C984	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
1512360	CA	2,745,655	HENPTY	Filed	2-02-09	HEMP	1512360CA29	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT	Filed	2-02-09	HEMP	1512360CA29	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
1512360	BR	P1092320-5	HENPTY	Filed	2-02-09	HEMP	1512360BR9B	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT	Filed	2-02-09	HEMP	1512360BR9B	READY ACCESS TO UNIFORM RESOURCE IDENTIFIERS THAT ARE ASSOCIATED WITH TELEVISION CONTENT
1512360	FR	10-2011-071204	HENPTY	Filed	12-Jan-09	HEMP	1512360F987	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING	Filed	12-Jan-09	HEMP	1512360F987	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING
1512360	JP	2011-541565	HENPTY	Filed	12-Jan-09	HEMP	1512360JP89	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING	Filed	12-Jan-09	HEMP	1512360JP89	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING
1512360	IN	5045-DEEMP/2201	HENPTY	Filed	12-Jan-09	HEMP	1512360IN77	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING	Filed	12-Jan-09	HEMP	1512360IN77	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING
1512360	EP	9700635	HENPTY	Filed	12-Jan-09	HEMP	1512360E929	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING	Filed	12-Jan-09	HEMP	1512360E929	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING
1512360	CN	20080508825.2	HENPTY	Filed	12-Jan-09	HEMP	1512360C985	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING	Filed	12-Jan-09	HEMP	1512360C985	A METHOD AND APPARATUS TO SECURELY EMBEED VOIP AND MULTIMEDIA STREAM SESSION KEYS TO ENABLE LAWFUL INTERCEPT AND SESSION RECORDING
1512360	FR	1566702	HENPTY	Filed	25-Jun-09	HEMP	1512360F988	VIDEO HEAD-END	Filed	25-Jun-09	HEMP	1512360F988	VIDEO HEAD-END
1526980	RU	20141102112	HENPTY	Filed	28-Jan-14	HEMP	1526980RU13V	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS	Filed	28-Jan-14	HEMP	1526980RU13V	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS
1526980	RU	2011120188	HENPTY	Granted	25-Nov-12	HEMP	1526980RU14	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS	Filed	14-Jul-12	HEMP	1526980RU14	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS
1526980	FR	10-2011-0711620	HENPTY	Filed	25-Nov-09	HEMP	1526980F989	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS	Filed	25-Nov-09	HEMP	1526980F989	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS
1526980	JP	2011-541187	HENPTY	Filed	25-Nov-09	HEMP	1526980JP14V	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS	Filed	25-Nov-09	HEMP	1526980JP14V	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS
1526980	IN	3411-CHEMP/2201	HENPTY	Filed	25-Nov-09	HEMP	1526980IN78	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS	Filed	13-Jul-14	HEMP	1526980IN78	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS
1526980	EP	9833363	HENPTY	Filed	25-Nov-09	HEMP	1526980E930	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS	Filed	25-Nov-09	HEMP	1526980E930	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS
1526980	CN	20080435932	HENPTY	Filed	25-Nov-09	HEMP	1526980C986	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS	Filed	25-Nov-09	HEMP	1526980C986	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS
1526980	CA	2,745,001	HENPTY	Filed	25-Nov-09	HEMP	1526980CA29	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS	Filed	25-Nov-09	HEMP	1526980CA29	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS
1526980	BR	P1092320-8	HENPTY	Filed	25-Nov-09	HEMP	1526980BR9C	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS	Filed	25-Nov-09	HEMP	1526980BR9C	A METHOD FOR OPERATING MULTI-COMFAIR PROVIDER ETHERNET NETWORKS
1527090	EP	10735395	HENPTY	Filed	15-Jul-10	HEMP	1527090E931	METHOD AND APPARATUS FOR TELECOMMUNICATIONS NETWORK PERFORMANCE ANOMALY EVENTS DETECTION AND NOTIFICATION	Filed	15-Jul-10	HEMP	1527090E931	METHOD AND APPARATUS FOR TELECOMMUNICATIONS NETWORK PERFORMANCE ANOMALY EVENTS DETECTION AND NOTIFICATION
1527090	CA	2,788,220	HENPTY	Filed	15-Jul-10	HEMP	1527090CA29	METHOD AND APPARATUS FOR TELECOMMUNICATIONS NETWORK PERFORMANCE ANOMALY EVENTS DETECTION AND NOTIFICATION	Filed	15-Jul-10	HEMP	1527090CA29	METHOD AND APPARATUS FOR TELECOMMUNICATIONS NETWORK PERFORMANCE ANOMALY EVENTS DETECTION AND NOTIFICATION
1527100	RU	2011124586	HENPTY	Filed	16-Dec-09	HEMP	1527100U11N	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT	Filed	16-Dec-09	HEMP	1527100U11N	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
1527100	FR	10-2011-070566	HENPTY	Filed	16-Dec-09	HEMP	1527100F989	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT	Filed	16-Dec-09	HEMP	1527100F989	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
1527100	JP	2011-541142	HENPTY	Granted	26-Sep-14	HEMP	1527100JP89	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT	Filed	26-Sep-14	HEMP	1527100JP89	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
1527100	IN	4154-CHEMP/2201	HENPTY	Filed	16-Dec-09	HEMP	1527100IN79	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT	Filed	16-Dec-09	HEMP	1527100IN79	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
1527100	EP	9822773	HENPTY	Filed	16-Dec-09	HEMP	1527100E932	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT	Filed	16-Dec-09	HEMP	1527100E932	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
1527100	CN	200805150455	HENPTY	Filed	16-Dec-09	HEMP	1527100C987	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT	Filed	16-Dec-09	HEMP	1527100C987	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
1527100	CA	2,745,341	HENPTY	Filed	16-Dec-09	HEMP	1527100CA29	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT	Filed	16-Dec-09	HEMP	1527100CA29	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
1527100	BR	P1092320-3	HENPTY	Filed	16-Dec-09	HEMP	1527100BR9D	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT	Filed	16-Dec-09	HEMP	1527100BR9D	SECURE REMOTE ACCESS PUBLIC COMMUNICATION ENVIRONMENT
1531100	RU	2014116133	HENPTY	Filed	24-Nov-09	HEMP	1531100RU14V	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100RU14V	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	RU	2011120185	HENPTY	Granted	24-Nov-09	HEMP	1531100RU15	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100RU15	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	FR	10-2011-0711634	HENPTY	Filed	24-Nov-09	HEMP	1531100F990	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100F990	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	JP	2011-0507573	HENPTY	Filed	24-Nov-09	HEMP	1531100JP15V	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100JP15V	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	JP	2011-0507574	HENPTY	Filed	24-Nov-09	HEMP	1531100JP16V	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100JP16V	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	JP	2011-541106	HENPTY	Granted	24-Nov-09	HEMP	1531100JP89	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-May-14	HEMP	1531100JP89	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	IN	3411-CHEMP/2201	HENPTY	Filed	24-Nov-09	HEMP	1531100IN79	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100IN79	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	EP	9822754	HENPTY	Filed	24-Nov-09	HEMP	1531100E933	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100E933	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	CN	20080446294	HENPTY	Filed	24-Nov-09	HEMP	1531100C988	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100C988	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	CN	20110554878	HENPTY	Filed	24-Nov-09	HEMP	1531100C989	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100C989	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	CA	2,743,087	HENPTY	Filed	24-Nov-09	HEMP	1531100CA29	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100CA29	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531100	BR	P1092320-9	HENPTY	Filed	24-Nov-09	HEMP	1531100BR9E	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS	Filed	24-Nov-09	HEMP	1531100BR9E	RESILIANT ATTACHMENT TO PROVIDER LINK STATE BRIDGING (PLS) NETWORKS
1531980	WO	PCT/CA2010/000288	HENPTY	Inactive	18-Mar-11	HEMP	1531980W04W	SOURCE ROUTED VID TUNNELS FOR ETHERNET PACKET STEERING	Filed	18-Mar-11	HEMP	1531980W04W	SOURCE ROUTED VID TUNNELS FOR ETHERNET PACKET STEERING
1531980	RU	2012135987	HENPTY	Filed	18-Mar-11	HEMP	1531980RU15N	SOURCE ROUTED VID TUNNELS FOR ETHERNET PACKET STEERING	Filed	18-Mar-11	HEMP	1531980RU15N	SOURCE ROUTED VID TUNNELS FOR ETHERNET PACKET STEERING
1531980	FR	10-2012-702500	HENPTY	Filed	18-Mar-11	HEMP	1531980F991	SOURCE ROUTED VID TUNNELS FOR ETHERNET PACKET STEERING	Filed	18-Mar-11	HEMP	1531980F991	SOURCE ROUTED VID TUNNELS FOR ETHERNET PACKET STEERING
1531980	JP	2011-500289	HENPTY	Filed	18-Mar-11	HEMP	1531						

13552M	FR	10-2017-0281-15	HEMPY	Filed	15-May-09	HEMPY	33552R0606	METHOD AND SYSTEM FOR TRANSMISSION OF FRAGMENTED PACKETS ON A PACKET-BASED COMMUNICATION NETWORK	
13552M	JP	2011-53945	HEMPY	552917	15-May-09	25-Apr-10	33552R0607	METHOD AND SYSTEM FOR TRANSMISSION OF FRAGMENTED PACKETS ON A PACKET-BASED COMMUNICATION NETWORK	
13552M	IN	7355/CHEMP/2202	HEMPY	Filed	15-May-09	HEMPY	33552R0608	METHOD AND SYSTEM FOR TRANSMISSION OF FRAGMENTED PACKETS ON A PACKET-BASED COMMUNICATION NETWORK	
13552M	EP	2747003.8	HEMPY	Filed	15-May-09	HEMPY	33552R0609	METHOD AND SYSTEM FOR TRANSMISSION OF FRAGMENTED PACKETS ON A PACKET-BASED COMMUNICATION NETWORK	
13552M	CN	200980128277.8	HEMPY	Filed	15-May-09	HEMPY	33552R0610	METHOD AND SYSTEM FOR TRANSMISSION OF FRAGMENTED PACKETS ON A PACKET-BASED COMMUNICATION NETWORK	
13552M	BR	PI0912695-0	HEMPY	Filed	15-May-09	HEMPY	33552R0611	METHOD AND SYSTEM FOR TRANSMISSION OF FRAGMENTED PACKETS ON A PACKET-BASED COMMUNICATION NETWORK	
13555RO	RU	201112875	HEMPY	Filed	24-Dec-09	HEMPY	33555RC010N	WEB-BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS	
13555RO	FR	10-2017-011434	HEMPY	Filed	24-Dec-09	HEMPY	33555RC020N	WEB-BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS	
13555RO	JP	2011-54206	HEMPY	Filed	24-Dec-09	HEMPY	33555RC030N	WEB-BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS	
13555RO	EP	0	HEMPY	Filed	24-Dec-09	HEMPY	33555RC040N	WEB-BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS	
13555RO	IN	4544/CHEMP/2201	HEMPY	Filed	24-Dec-09	HEMPY	33555RC050N	WEB-BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS	
13555RO	BR	PI0913634	HEMPY	Filed	24-Dec-09	HEMPY	33555RC060N	WEB-BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS	
13555RO	CN	200980257800.4	HEMPY	Filed	24-Dec-09	HEMPY	33555RC070N	WEB-BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS	
13555RO	CA	2,748,363	HEMPY	Filed	24-Dec-09	HEMPY	33555RC080N	WEB-BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS	
13555RO	BR	PI0913598-8	HEMPY	Filed	24-Dec-09	HEMPY	33555RC090N	WEB-BASED ACCESS TO VIDEO ASSOCIATED WITH CALLS	
13420RO	FR	10-2017-004337	HEMPY	Filed	3-Jun-09	HEMPY	34200RC020N	MULTILAYER LOSS PROTECTION	
13420RO	JP	2011-513247	HEMPY	Filed	3-Jun-09	HEMPY	34200RC030N	MULTILAYER LOSS PROTECTION	
13420RO	EP	2014-143732	HEMPY	Filed	3-Jun-09	HEMPY	34200RC040N	MULTILAYER LOSS PROTECTION	
13420RO	IN	545/CHEMP/2201	HEMPY	Filed	3-Jun-09	HEMPY	34200RC050N	MULTILAYER LOSS PROTECTION	
13420RO	EP	3800223	HEMPY	Filed	3-Jun-09	HEMPY	34200RC060N	MULTILAYER LOSS PROTECTION	
13420RO	CN	20098013753.3	HEMPY	Filed	3-Jun-09	HEMPY	34200RC070N	MULTILAYER LOSS PROTECTION	
13420RO	BR	PI0916837-0	HEMPY	Filed	3-Jun-09	HEMPY	34200RC080N	MULTILAYER LOSS PROTECTION	
13425RO	FR	10-2017-020788	HEMPY	Filed	27-May-09	HEMPY	34205RC010N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	FR	10-2017-020789	HEMPY	Filed	13-Jun-09	HEMPY	34205RC020N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	JP	2011-517255	5411268	Granted	27-May-09	15-Nov-13	34205RC030N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	JP	2011-517256	5346081	Granted	13-Jun-09	29-Aug-13	34205RC040N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	IN	110/DELMP/2201	HEMPY	Filed	13-Jun-09	HEMPY	34205RC050N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	IN	PCI/NE2009/06561-1	HEMPY	Filed	27-May-09	HEMPY	34205RC060N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	EP	3794046.4	HEMPY	Filed	27-May-09	HEMPY	34205RC070N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	EP	3794047.2	HEMPY	Filed	13-Jun-09	HEMPY	34205RC080N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	CN	200980135803.5	HEMPY	Filed	13-Jun-09	HEMPY	34205RC090N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	CN	200980135803.5	HEMPY	Filed	27-May-09	HEMPY	34205RC100N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	BR	PI0915658-0	HEMPY	Filed	13-Jun-09	HEMPY	34205RC110N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13425RO	BR	PI0915659-3	HEMPY	Filed	27-May-09	HEMPY	34205RC120N	MULTI-TOUCH TOUCHSCREEN INCORPORATING PEN TRACKING	
13428RO	FR	10-2017-024314	HEMPY	Filed	27-May-09	HEMPY	34212RC010N	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIMULTEPLEX PASSIVE OPTICAL NETWORKS (WDM PONs)	
13428RO	JP	2014-013423	HEMPY	Filed	27-May-09	HEMPY	34212RC020N	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIMULTEPLEX PASSIVE OPTICAL NETWORKS (WDM PONs)	
13428RO	JP	2011-501701	HEMPY	Filed	27-May-09	HEMPY	34212RC030N	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIMULTEPLEX PASSIVE OPTICAL NETWORKS (WDM PONs)	
13428RO	IN	PCI/CAC09/00374	HEMPY	Filed	27-May-09	HEMPY	34212RC040N	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIMULTEPLEX PASSIVE OPTICAL NETWORKS (WDM PONs)	
13428RO	EP	3773800.0	HEMPY	Filed	27-May-09	HEMPY	34212RC050N	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIMULTEPLEX PASSIVE OPTICAL NETWORKS (WDM PONs)	
13428RO	CN	200980111511.1	HEMPY	Filed	27-May-09	HEMPY	34212RC060N	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIMULTEPLEX PASSIVE OPTICAL NETWORKS (WDM PONs)	
13428RO	BR	PI0909474-1	HEMPY	Filed	27-May-09	HEMPY	34212RC070N	PROTECTED LIGHT SOURCE FOR MULTIPLE WAVELENGTH DIVISION MULTIMULTEPLEX PASSIVE OPTICAL NETWORKS (WDM PONs)	
13428RO	RU	2011122728		249728	Granted	30-Dec-09	27-Oct-13	34212RC080N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL
13428RO	FR	2011-704549		10-125503	Granted	30-Dec-09	10-Apr-13	34212RC090N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL
13428RO	JP	2014-131785	HEMPY	Filed	30-Dec-09	HEMPY	34212RC100N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL	
13428RO	JP	2011-54236	HEMPY	Filed	30-Dec-09	HEMPY	34212RC110N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL	
13428RO	IN	7361/WOLMP/2201	HEMPY	Filed	30-Dec-09	HEMPY	34212RC120N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL	
13428RO	EP	9835939	HEMPY	Filed	30-Dec-09	HEMPY	34212RC130N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL	
13428RO	CN	0	HEMPY	Filed	30-Dec-09	HEMPY	34212RC140N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL	
13428RO	CN	200980154699.9	3120090154699	Granted	30-Dec-09	2-Jul-14	34212RC150N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL	
13428RO	CA	2,745,515	HEMPY	Filed	30-Dec-09	HEMPY	34212RC160N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL	
13428RO	BR	PI0913468-8	HEMPY	Filed	30-Dec-09	HEMPY	34212RC170N	BANDWIDTH EFFICIENT METHOD AND SYSTEM FOR OBSCURING THE EXISTENCE OF ENCRYPTION IN A COMMUNICATIONS CHANNEL	
13459N	WO	PCI/US1010/037733	HEMPY	Inactive	8-Jun-10	HEMPY	34599R0000	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS	
13459N	RU	2011153500	HEMPY	Filed	8-Jun-10	HEMPY	34599R0010	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS	
13459N	FR	PCI/US1010/037733	HEMPY	Filed	8-Jun-10	HEMPY	34599R0020	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS	
13459N	JP	2012-515063	HEMPY	Filed	8-Jun-10	HEMPY	34599R0030	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS	
13459N	IN	8762/CHEMP/2201	HEMPY	Filed	8-Jun-10	HEMPY	34599R0040	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS	
13459N	EP	1076657.5	HEMPY	Filed	8-Jun-10	HEMPY	34599R0050	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS	
13459N	CN	2010600257928	HEMPY	Filed	8-Jun-10	HEMPY	34599R0060	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS	
13459N	CA	2,764,032	HEMPY	Filed	8-Jun-10	HEMPY	34599R0070	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS	
13459N	BR	BR11201000198-1	HEMPY	Filed	8-Jun-10	HEMPY	34599R0080	TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS	
13468RO	RU	2011121621		251743	Granted	26-Oct-09	27-May-14	34680RC010N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD
13468RO	FR	10-2011-709534	HEMPY	Filed	26-Oct-09	HEMPY	34680RC020N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD	
13468RO	JP	2013-209161	HEMPY	Filed	26-Oct-09	HEMPY	34680RC030N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD	
13468RO	JP	2011-539493	5385284	Granted	26-Oct-09	11-Oct-13	34680RC040N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD	
13468RO	IN	2592/CHEMP/2201	HEMPY	Filed	26-Oct-09	HEMPY	34680RC050N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD	
13468RO	EP	3922948	HEMPY	Filed	26-Oct-09	HEMPY	34680RC060N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD	
13468RO	CN	201400957341.2	HEMPY	Filed	26-Oct-09	HEMPY	34680RC070N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD	
13468RO	CN	200980142382.3	200980142382.3	Granted	26-Oct-09	2-Apr-14	34680RC080N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD	
13468RO	CA	2,742,775	HEMPY	Filed	26-Oct-09	HEMPY	34680RC090N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD	
13468RO	BR	PI0913630-0	HEMPY	Filed	26-Oct-09	HEMPY	34680RC100N	PROVIDER LINK STATE BRIDGING (PLSB) COMPUTATION METHOD	
13468RO	FR	10-2010-702713	HEMPY	Filed	12-May-09	HEMPY	34680RC110N	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT	
13468RO	JP	2013-244967	HEMPY	Filed	12-May-09	HEMPY	34680RC120N	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT	
13468RO	JP	2011-508780	5425884	Granted	12-May-09	6-Dec-13	34680RC130N	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT	
13468RO	IN	7336/CHEMP/2202	HEMPY	Filed	12-May-09	HEMPY	34680RC140N	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT	
13468RO	GB	606442.7	HEMPY	Filed	12-May-09	HEMPY	34680RC150N	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT	
13468RO	EP	3745343.5	HEMPY	Filed	12-May-09	HEMPY	34680RC160N	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT	
13468RO	CN	200980227238.8	HEMPY	Filed	12-May-09	HEMPY	34680RC170N	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT	
13468RO	BR	PI0912641-4	HEMPY	Filed	12-May-09	HEMPY	34680RC180N	A MECHANISM TO DIVERT AN IP FLOW OVER A NON-IP TRANSPORT	
13513D	FR	10-2011-705621	HEMPY	Filed	22-Jun-09	HEMPY	3513D010N	PROTECTION FOR PROVIDER BACKBONE BRIDGE TRAFFIC ENGINEERING	
13513D	JP	2011-528880	5485538	Granted	22-Jun-09	29-Feb-14	3513D010N	PROTECTION FOR PROVIDER BACKBONE BRIDGE TRAFFIC ENGINEERING	
13513D	IN	1582/CHEMP/2201	HEMPY	Filed	22-Jun-09	HEMPY	3513D020N	PROTECTION FOR PROVIDER BACKBONE BRIDGE TRAFFIC ENGINEERING	
13513D	EP	3813359.4	HEMPY	Filed	22-Jun-09	HEMPY	3513D030N	PROTECTION FOR PROVIDER BACKBONE BRIDGE TRAFFIC ENGINEERING	
13513D	CN	2009801582626.8	HEMPY	Filed	22-Jun-09	HEMPY	3513D040N	PROTECTION FOR PROVIDER BACKBONE BRIDGE TRAFFIC ENGINEERING	
13513D	CA	2,735,000	HEMPY	Filed	22-Jun-09	HEMPY	3513D050N	PROTECTION FOR PROVIDER BACKBONE BRIDGE TRAFFIC ENGINEERING	
13513RO	FR	10-2011-702713	HEMPY	Filed	30-Nov-09	HEMPY	3513R010N	IN-BAND SIGNALING FOR POINT-TO-POINT PACKET PROTECTION SWITCHING	
13513RO	EP	3828845.6	HEMPY	Filed	30-Nov-09	HEMPY	3513R020N	IN-BAND SIGNALING FOR POINT-TO-POINT PACKET PROTECTION SWITCHING	
13513RO	CN	200980147386.8	HEMPY	Filed	30-Nov-09	HEMPY	3513R030N	IN-BAND SIGNALING FOR POINT-TO-POINT PACKET PROTECTION SWITCHING	
13513RO	CA	2,744,272	HEMPY	Filed	30-Nov-09	HEMPY	3513R040N	IN-BAND SIGNALING FOR POINT-TO-POINT PACKET PROTECTION SWITCHING	
13567D	WO	PCI/GB01/000152	HEMPY	Inactive	27-Aug-10	HEMPY	3567D00000	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANNELS IN A CONTACT CENTRE	

195670	RU	2012111981	HEMPY	Filed	27-Aug-10	HEMPY	195670RUJUN	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANGES IN A CONTACT CENTRE	
195670	KR	10-2012-1007988	HEMPY	Filed	27-Aug-10	HEMPY	195670KRORR	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANGES IN A CONTACT CENTRE	
195670	JP	2012-528117	HEMPY	5518185	Granted	27-Aug-10	21-Apr-14	195670JPORR	
195670	IN	3547/CHEMP/2202	HEMPY	Filed	27-Aug-10	HEMPY	195670INORR	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANGES IN A CONTACT CENTRE	
195670	EP	201228544	HEMPY	Filed	27-Aug-10	HEMPY	195670EPOPT	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANGES IN A CONTACT CENTRE	
195670	CN	201060892329	HEMPY	Filed	27-Aug-10	HEMPY	195670CNOGR	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANGES IN A CONTACT CENTRE	
195670	CA	2,771,197	HEMPY	Filed	27-Aug-10	HEMPY	195670CADAN	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANGES IN A CONTACT CENTRE	
195670	BR	BRI1 2012.004481.8	HEMPY	Filed	27-Aug-10	HEMPY	195670BRORR	METHOD AND SYSTEM FOR CONTROLLING ESTABLISHMENT OF COMMUNICATION CHANGES IN A CONTACT CENTRE	
195670R	BR	10-2011-704286	HEMPY	Filed	30-Jun-09	HEMPY	195670BRORR	SIGNALING OF THE OFFSET PARAMETERS FOR THE FORMULA FOR LINKAGE BETWEEN PUSHINGS AND AMOUNT OF RESOURCES USED FOR CONTROL	
195670R	JP	2011-512813	HEMPY	Filed	30-Jun-09	HEMPY	195670JPORR	SIGNALING OF THE OFFSET PARAMETERS FOR THE FORMULA FOR LINKAGE BETWEEN PUSHINGS AND AMOUNT OF RESOURCES USED FOR CONTROL	
195670R	IN	4742/WOLMP/2202	HEMPY	Filed	30-Jun-09	HEMPY	195670INORR	SIGNALING OF THE OFFSET PARAMETERS FOR THE FORMULA FOR LINKAGE BETWEEN PUSHINGS AND AMOUNT OF RESOURCES USED FOR CONTROL	
195670R	EP	9774343	HEMPY	Filed	30-Jun-09	HEMPY	195670REPOST	SIGNALING OF THE OFFSET PARAMETERS FOR THE FORMULA FOR LINKAGE BETWEEN PUSHINGS AND AMOUNT OF RESOURCES USED FOR CONTROL	
195670R	CN	20080125232	HEMPY	Filed	30-Jun-09	HEMPY	195670RCNOGR	SIGNALING OF THE OFFSET PARAMETERS FOR THE FORMULA FOR LINKAGE BETWEEN PUSHINGS AND AMOUNT OF RESOURCES USED FOR CONTROL	
195670R	BR	PI0913636-3	HEMPY	Filed	30-Jun-09	HEMPY	195670BRORR	SIGNALING OF THE OFFSET PARAMETERS FOR THE FORMULA FOR LINKAGE BETWEEN PUSHINGS AND AMOUNT OF RESOURCES USED FOR CONTROL	
195670R	WO	PC1/CAD10/000626	HEMPY	Inactive	7-Jun-10	HEMPY	195670WO02W	PERSONAL STATUS COMMUNICATIONS MANAGER	
195670R	RU	2011133201	HEMPY	Filed	7-Jun-10	HEMPY	195670RUJUN	PERSONAL STATUS COMMUNICATIONS MANAGER	
195670R	KR	10-2011-0205194	HEMPY	Filed	7-Jun-10	HEMPY	195670KRORR	PERSONAL STATUS COMMUNICATIONS MANAGER	
195670R	JP	2012-517984	HEMPY	Filed	7-Jun-10	HEMPY	195670JPORR	PERSONAL STATUS COMMUNICATIONS MANAGER	
195670R	IN	3548/CHEMP/2201	HEMPY	Filed	7-Jun-10	HEMPY	195670INORR	PERSONAL STATUS COMMUNICATIONS MANAGER	
195670R	EP	10793653	HEMPY	Filed	7-Jun-10	HEMPY	195670EPOPT	PERSONAL STATUS COMMUNICATIONS MANAGER	
195670R	CN	201060895520	HEMPY	Filed	7-Jun-10	HEMPY	195670CNOGR	PERSONAL STATUS COMMUNICATIONS MANAGER	
195670R	CA	2,778,198	HEMPY	Filed	7-Jun-10	HEMPY	195670CADAN	PERSONAL STATUS COMMUNICATIONS MANAGER	
195670R	BR	PI1013953-2	HEMPY	Filed	7-Jun-10	HEMPY	195670BRORR	PERSONAL STATUS COMMUNICATIONS MANAGER	
195670R	RU	2011129887	HEMPY	Filed	3-Oct-09	HEMPY	195670RORUN	MULTIPLE REDUNDANT GSSX SYNCHRONIZATION SYSTEM	
195670R	KR	10-2011-7015384	HEMPY	Filed	3-Oct-09	HEMPY	195670KRORR	MULTIPLE REDUNDANT GSSX SYNCHRONIZATION SYSTEM	
195670R	JP	2011-538813	HEMPY	Filed	3-Oct-09	HEMPY	195670JPORR	MULTIPLE REDUNDANT GSSX SYNCHRONIZATION SYSTEM	
195670R	IN	4429-212585	HEMPY	Filed	3-Oct-09	HEMPY	195670INORR	MULTIPLE REDUNDANT GSSX SYNCHRONIZATION SYSTEM	
195670R	BR	4229/CHEMP/2201	HEMPY	Filed	3-Oct-09	HEMPY	195670BRORR	MULTIPLE REDUNDANT GSSX SYNCHRONIZATION SYSTEM	
195670R	EP	9829339	HEMPY	Filed	3-Oct-09	HEMPY	195670REPOST	MULTIPLE REDUNDANT GSSX SYNCHRONIZATION SYSTEM	
195670R	CN	200801583513	HEMPY	Filed	3-Oct-09	HEMPY	195670RCNOGR	MULTIPLE REDUNDANT GSSX SYNCHRONIZATION SYSTEM	
195670R	CA	2,745,369	HEMPY	Filed	3-Oct-09	HEMPY	195670CADAN	MULTIPLE REDUNDANT GSSX SYNCHRONIZATION SYSTEM	
195670R	BR	PI092318-0	HEMPY	Filed	3-Oct-09	HEMPY	195670BRORR	MULTIPLE REDUNDANT GSSX SYNCHRONIZATION SYSTEM	
195680R	WO	PC1/CAD10/000688	HEMPY	Inactive	23-Jun-10	HEMPY	195680WO02W	UTILITIES BETWEENNESS TO DETERMINE FORWARDING STATE IN A ROUTED NETWORK	
195680R	EP	107911083	HEMPY	Filed	23-Jun-10	HEMPY	195680EPOPT	UTILITIES BETWEENNESS TO DETERMINE FORWARDING STATE IN A ROUTED NETWORK	
195680R	CN	201060892328	HEMPY	Filed	23-Jun-10	HEMPY	195680CNOGR	UTILITIES BETWEENNESS TO DETERMINE FORWARDING STATE IN A ROUTED NETWORK	
195680R	WO	PC1/CAD10/000690	HEMPY	Inactive	14-Jul-10	HEMPY	195680WO02W	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER	
195680R	CA	2012-7002666	HEMPY	Filed	14-Jul-10	HEMPY	195680CADAN	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER	
195680R	JP	2012-511985	HEMPY	5024136	Granted	14-Jul-10	3-Oct-14	195680JPORR	
195680R	IN	429/CHEMP/2202	HEMPY	Filed	14-Jul-10	HEMPY	195680INORR	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER	
195680R	GB	10169393.9.2.276.277	HEMPY	Granted	13-Jul-10	21-Apr-13	195680GB13E	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER	
195680R	FR	10169393.9.2.276.277	HEMPY	Granted	13-Jul-10	21-Apr-13	195680FR14E	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER	
195680R	EP	10169393.9.2.276.277	HEMPY	Inactive	13-Jul-10	21-Apr-13	195680EPOPE	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER	
195680R	DE	6.0202E+11.2.276.277	HEMPY	Granted	13-Jul-10	21-Apr-13	195680DE13E	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER	
195680R	CN	201060892434	HEMPY	Filed	14-Jul-10	HEMPY	195680CNOGR	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER	
195680R	CA	2,751,454	HEMPY	Filed	14-Jul-10	HEMPY	195680CADAN	DEVICE PROGRAMMABLE NETWORK BASED PACKET FILTER	
195679R	RU	2011127315	HEMPY	Filed	22-Dec-09	HEMPY	195679RUJUN	SELECTIVE DATABASE REPLICATION	
195679R	KR	10-2011-7017276	HEMPY	Filed	22-Dec-09	HEMPY	195679KRORR	SELECTIVE DATABASE REPLICATION	
195679R	JP	2011-541587	HEMPY	5514834	Granted	22-Dec-09	4-Apr-14	195679JPORR	
195679R	IN	4227/CHEMP/2201	HEMPY	Filed	22-Dec-09	HEMPY	195679INORR	SELECTIVE DATABASE REPLICATION	
195679R	EP	98411863	HEMPY	Filed	22-Dec-09	HEMPY	195679REPOST	SELECTIVE DATABASE REPLICATION	
195679R	CN	201040339615	HEMPY	Filed	22-Dec-09	HEMPY	195679CNOGR	SELECTIVE DATABASE REPLICATION	
195679R	CN	200801518923	HEMPY	Filed	22-Dec-09	HEMPY	195679RCNOGR	SELECTIVE DATABASE REPLICATION	
195679R	CA	2,745,083	HEMPY	Filed	22-Dec-09	HEMPY	195679CADAN	SELECTIVE DATABASE REPLICATION	
195679R	BR	PI0923479-0	HEMPY	Filed	22-Dec-09	HEMPY	195679BRORR	SELECTIVE DATABASE REPLICATION	
195670R	RU	2011131897	HEMPY	Filed	22-Dec-09	HEMPY	195670RUJUN	COLLABORATION AGENT	
195670R	KR	10-2011-7015076	HEMPY	Filed	22-Dec-09	HEMPY	195670KRORR	COLLABORATION AGENT	
195670R	JP	2011-542913	HEMPY	Filed	22-Dec-09	HEMPY	195670JPORR	COLLABORATION AGENT	
195670R	IN	2011-545408	HEMPY	Filed	22-Dec-09	HEMPY	195670INORR	COLLABORATION AGENT	
195670R	IN	3547/CHEMP/2201	HEMPY	Filed	22-Dec-09	HEMPY	195670INORR	COLLABORATION AGENT	
195670R	EP	9836145	HEMPY	Filed	22-Dec-09	HEMPY	195670REPOST	COLLABORATION AGENT	
195670R	CA	2,745,472	HEMPY	Filed	22-Dec-09	HEMPY	195670CADAN	COLLABORATION AGENT	
195670R	BR	PI0923829-0	HEMPY	Filed	22-Dec-09	HEMPY	195670BRORR	COLLABORATION AGENT	
195770R	KR	10-2011-7006990	HEMPY	Filed	29-Jul-09	HEMPY	195770KRORR	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195770R	JP	2011-528981	HEMPY	Filed	29-Jul-09	HEMPY	195770JPORR	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195770R	IN	3549/CHEMP/2201	HEMPY	Filed	29-Jul-09	HEMPY	195770INORR	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195770R	GB	9813404.3.2.382.989	HEMPY	Granted	29-Jul-09	4-Sep-13	195770GB13T	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195770R	FR	9813404.3.2.382.989	HEMPY	Granted	29-Jul-09	4-Sep-13	195770FR13T	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195770R	EP	131927529	HEMPY	Filed	29-Jul-09	HEMPY	195770EPOPST	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195770R	EP	9813404.3.2.382.989	HEMPY	Inactive	29-Jul-09	4-Sep-13	195770EPOPST	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195770R	DE	9813404.3.2.382.989	HEMPY	Granted	29-Jul-09	4-Sep-13	195770DE12T	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195770R	CN	20098039528.4	HEMPY	Filed	29-Jul-09	HEMPY	195770CNOGR	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195770R	BR	PI0919738-6	HEMPY	Filed	29-Jul-09	HEMPY	195770BRORR	UTILITIES OPTICAL BYPASS LINKS IN A COMMUNICATION NETWORK	
195790R	WO	PC1/CAD10/000657	HEMPY	Inactive	23-Jun-10	HEMPY	195790WO02W	MOBILE FAST ALERTING	
195790R	JP	2012-516448	HEMPY	5576933	Granted	23-Jun-10	11-Jul-14	195790JPORR	
195790R	EP	107911075	HEMPY	Filed	23-Jun-10	HEMPY	195790EPOPT	MOBILE FAST ALERTING	
195790R	WO	PC1/GR001/059243	HEMPY	Inactive	28-Nov-11	HEMPY	195790WO02W	DUAL MODE BASE STATION	
195790R	RU	2013130009	HEMPY	Filed	28-Nov-11	HEMPY	195790RUJUN	DUAL MODE BASE STATION	
195790R	KR	10-2012-7013547	HEMPY	Filed	28-Nov-11	HEMPY	195790KRORR	DUAL MODE BASE STATION	
195790R	JP	2013-541424	HEMPY	Filed	28-Nov-11	HEMPY	195790JPORR	DUAL MODE BASE STATION	
195790R	IN	4513/CHEMP/2203	HEMPY	Filed	28-Nov-11	HEMPY	195790INORR	DUAL MODE BASE STATION	
195790R	EP	118082759	HEMPY	Filed	28-Nov-11	HEMPY	195790EPOPT	DUAL MODE BASE STATION	
195790R	CN	201150068177.1	HEMPY	Filed	28-Nov-11	HEMPY	195790CNOGR	DUAL MODE BASE STATION	
195790R	CA	2,817,195	HEMPY	Filed	28-Nov-11	HEMPY	195790CADAN	DUAL MODE BASE STATION	
195790R	BR	BRI12013013006-7	HEMPY	Filed	28-Nov-11	HEMPY	195790BRORR	DUAL MODE BASE STATION	
195890R	KR	10-2011-7009795	HEMPY	Filed	1-Oct-09	HEMPY	195890KRORR	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING	
195890R	JP	2011-529495	HEMPY	Filed	1-Oct-09	HEMPY	195890JPORR	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING	
195890R	IN	1455/WOLMP/2201	HEMPY	Filed	1-Oct-09	HEMPY	195890INORR	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING	
195890R	EP	98174145	HEMPY	Filed	1-Oct-09	HEMPY	195890EPOPT	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING	
195890R	CN	200801492316.6	HEMPY	2206890140216	Granted	1-Oct-09	23-Apr-14	195890CNOGR	

157590	CA	2,744,578	HEMPY	Filed	1-01-09	HEMPY	157590CC03	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING	
157590	BR	PI020785-6	HEMPY	Filed	1-01-09	HEMPY	157590CB04	TECHNIQUES FOR TIME TRANSFER VIA SIGNAL ENCODING	
157590	WO	PC1/CA101/000534	HEMPY	Inactive	9-Apr-10	HEMPY	157590CW07	ENHANCED COMMUNICATION BRIDGE	
157590	JP	2012-539840	HEMPY	5/23/13	9-Apr-10	25-Apr-14	HEMPY	ENHANCED COMMUNICATION BRIDGE	
157590	EP	10781169	HEMPY	Filed	9-Apr-10	HEMPY	157590EP07	ENHANCED COMMUNICATION BRIDGE	
157590	CN	20108025387.8	HEMPY	Filed	9-Apr-10	HEMPY	157590CN09	ENHANCED COMMUNICATION BRIDGE	
157590	CA	2,758,154	HEMPY	Filed	9-Apr-10	HEMPY	157590CA04	ENHANCED COMMUNICATION BRIDGE	
157590	AU	2010934200	HEMPY	Filed	9-Apr-10	HEMPY	157590AU09	ENHANCED COMMUNICATION BRIDGE	
157590	WO	PC1/CA101/000595	HEMPY	Filed	18-Jun-10	HEMPY	157590W007	METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF MULTIPLE PHYSICALLY DUAL HOMEDEVICES	
157590	EP	10788966	HEMPY	Filed	18-Jun-10	HEMPY	157590EP04	METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF MULTIPLE PHYSICALLY DUAL HOMEDEVICES	
157590	CN	20108025388.1	HEMPY	Filed	18-Jun-10	HEMPY	157590CN09	METHOD AND APPARATUS FOR IMPLEMENTING CONTROL OF MULTIPLE PHYSICALLY DUAL HOMEDEVICES	
157590	WO	PC1/EP1/2010/058883	HEMPY	Inactive	23-Jun-10	HEMPY	157590W007	ANALYSIS OF PACKET-BASED VIDEO CONTENT	
157590	RU	2012710492	HEMPY	Filed	23-Jun-10	HEMPY	157590RU07	ANALYSIS OF PACKET-BASED VIDEO CONTENT	
157590	BR	10-2012-000295	HEMPY	Filed	23-Jun-10	HEMPY	157590BR09	ANALYSIS OF PACKET-BASED VIDEO CONTENT	
157590	JP	2012-516710	HEMPY	Filed	23-Jun-10	HEMPY	157590JP08	ANALYSIS OF PACKET-BASED VIDEO CONTENT	
157590	IN	987/CHEMP/2011	HEMPY	Filed	23-Jun-10	HEMPY	157590IN07	ANALYSIS OF PACKET-BASED VIDEO CONTENT	
157590	EP	10728132.5	HEMPY	Filed	23-Jun-10	HEMPY	157590EP07	ANALYSIS OF PACKET-BASED VIDEO CONTENT	
157590	CN	20108025503.3	HEMPY	Filed	23-Jun-10	HEMPY	157590CN09	ANALYSIS OF PACKET-BASED VIDEO CONTENT	
157590	CA	2,765,289	HEMPY	Filed	23-Jun-10	HEMPY	157590CA04	ANALYSIS OF PACKET-BASED VIDEO CONTENT	
157590	BR	PI020520-2	HEMPY	Filed	23-Jun-10	HEMPY	157590BR09	ANALYSIS OF PACKET-BASED VIDEO CONTENT	
157590	WO	PC1/US1/2011/069369	HEMPY	Inactive	5-Nov-11	HEMPY	157590W007	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE	
157590	RU	10-2011-701552	HEMPY	Filed	5-Nov-11	HEMPY	157590RU09	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE	
157590	JP	2011-541101	HEMPY	Filed	5-Nov-11	HEMPY	157590JP07	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE	
157590	IN	351/CHEMP/2014	HEMPY	Filed	5-Nov-11	HEMPY	157590IN06	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE	
157590	EP	11787382.5	HEMPY	Filed	5-Nov-11	HEMPY	157590EP07	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE	
157590	CN	201100150126.0	HEMPY	Filed	5-Nov-11	HEMPY	157590CN04	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE	
157590	CA	2,854,729	HEMPY	Filed	5-Nov-11	HEMPY	157590CA05	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE	
157590	BR	BR112004011011-9	HEMPY	Filed	5-Nov-11	HEMPY	157590BR09	METHOD AND SYSTEM FOR PROVIDING RELEVANT INFORMATION TO A MOBILE DEVICE	
157590	RU	2011120664	HEMPY	2,516,321	Granted	3-Nov-09	24-Mar-14	157590RU11	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION
157590	RU	2011-709760	HEMPY	Filed	3-Nov-09	HEMPY	157590RU09	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION	
157590	JP	2011-533409	HEMPY	Filed	3-Nov-09	HEMPY	157590JP12	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION	
157590	IN	2011-533409	HEMPY	54,053	Granted	3-Nov-09	15-Nov-13	157590IN07	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION
157590	IN	2584/CHEMP/2011	HEMPY	Filed	3-Nov-09	HEMPY	157590IN06	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION	
157590	EP	38284763	HEMPY	Filed	3-Nov-09	HEMPY	157590EP07	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION	
157590	CN	20090120269	HEMPY	Filed	3-Nov-09	HEMPY	157590CN15	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION	
157590	CN	20090144238.3	HEMPY	20090144238.3	Granted	3-Nov-09	2-Apr-14	157590CN04	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION
157590	CA	2,742,574	HEMPY	Filed	3-Nov-09	HEMPY	157590CA03	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION	
157590	BR	PI021168-0	HEMPY	Filed	3-Nov-09	HEMPY	157590BR09	USER EQUIPMENT CENTRIC CLUSTERING METHOD SUITABLE FOR COORDINATED MULTI-POINT TRANSMISSION AND RECEPTION	
157590	RU	2011113936	HEMPY	Filed	5-Nov-09	HEMPY	157590RU11	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
157590	RU	10-2011-7011016	HEMPY	Filed	5-Nov-09	HEMPY	157590RU09	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
157590	JP	2011-533409	HEMPY	Filed	5-Nov-09	HEMPY	157590JP15	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
157590	JP	2011-533409	HEMPY	503522	Granted	5-Nov-09	24-Oct-14	157590JP08	SERVICE INSTANCE APPLIED TO MPLS NETWORKS
157590	IN	2115/CHEMP/2011	HEMPY	Filed	5-Nov-09	HEMPY	157590IN07	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
157590	EP	38285754	HEMPY	Filed	5-Nov-09	HEMPY	157590EP07	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
157590	CN	201101360500.1	HEMPY	Filed	5-Nov-09	HEMPY	157590CN15	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
157590	CN	200901453364	HEMPY	Filed	5-Nov-09	HEMPY	157590CN04	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
157590	CA	2,742,735	HEMPY	Filed	5-Nov-09	HEMPY	157590CA03	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
157590	BR	PI021137-5	HEMPY	Filed	5-Nov-09	HEMPY	157590BR09	SERVICE INSTANCE APPLIED TO MPLS NETWORKS	
157590	WO	PC1/EP1/2010/050747	HEMPY	Inactive	22-Jan-10	HEMPY	157590W007	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING	
157590	RU	2012120508	HEMPY	251,009	Granted	22-Jan-10	20-Mar-14	157590RU10	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING
157590	RU	PC1/EP1/2010/050747	HEMPY	Filed	22-Jan-10	HEMPY	157590RU08	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING	
157590	JP	2012-542404	HEMPY	Filed	22-Jan-10	HEMPY	157590JP08	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING	
157590	IN	5028/CHEMP/2012	HEMPY	Filed	22-Jan-10	HEMPY	157590IN07	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING	
157590	EP	10704112.4	HEMPY	Filed	22-Jan-10	HEMPY	157590EP07	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING	
157590	CN	2010803555.8	HEMPY	Filed	22-Jan-10	HEMPY	157590CN09	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING	
157590	CA	2,782,853	HEMPY	Filed	22-Jan-10	HEMPY	157590CA04	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING	
157590	BR	BR11200203785-9	HEMPY	Filed	22-Jan-10	HEMPY	157590BR09	METHOD, ARRANGEMENT AND COMPUTER PROGRAM PRODUCT FOR CLOCKING	
157590	RU	2011128267	HEMPY	249348	Granted	26-Nov-09	20-Sep-13	157590RU10	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER
157590	RU	10-2011-7015174	HEMPY	Filed	26-Nov-09	HEMPY	157590RU09	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER	
157590	JP	2011-531906	HEMPY	546471	Granted	26-Nov-09	31-Jan-14	157590JP08	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER
157590	IN	4440/CHEMP/2011	HEMPY	Filed	26-Nov-09	HEMPY	157590IN07	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER	
157590	EP	3829101.1	HEMPY	Filed	26-Nov-09	HEMPY	157590EP07	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER	
157590	CN	20090158266.6	HEMPY	Filed	26-Nov-09	HEMPY	157590CN09	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER	
157590	CA	2,745,047	HEMPY	Filed	26-Nov-09	HEMPY	157590CA04	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER	
157590	BR	PI022234-6	HEMPY	Filed	26-Nov-09	HEMPY	157590BR09	FREQUENCY AGILE FILTER USING USING A DIGITAL FILTER	
157590	WO	PC1/CA101/001387	HEMPY	Inactive	6-Oct-10	HEMPY	157590W007	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	RU	2013142425	HEMPY	Filed	6-Oct-10	HEMPY	157590RU12	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	RU	2013142479	HEMPY	Filed	6-Oct-10	HEMPY	157590RU15	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	RU	2012115997	HEMPY	250709	Granted	6-Oct-10	20-Feb-14	157590RU10	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS
157590	RU	2012-7011829	HEMPY	Filed	6-Oct-10	HEMPY	157590RU09	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	JP	2012-532428	HEMPY	Filed	6-Oct-10	HEMPY	157590JP08	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	IN	9139/CHEMP/2012	HEMPY	Filed	6-Oct-10	HEMPY	157590IN07	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	EP	38021520.3	HEMPY	Filed	6-Oct-10	HEMPY	157590EP07	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	CN	20109054800.1	HEMPY	Filed	6-Oct-10	HEMPY	157590CN09	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	CA	2,776,895	HEMPY	Filed	6-Oct-10	HEMPY	157590CA04	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	BR	BR11200207856-4	HEMPY	Filed	6-Oct-10	HEMPY	157590BR09	METHOD AND APPARATUS FOR EXCHANGING ROUTING INFORMATION AND THE ESTABLISHMENT OF CONNECTIVITY ACROSS MULTIPLE NETWORK AREAS	
157590	RU	2011128268	HEMPY	249348	Granted	26-Nov-09	20-Sep-13	157590RU10	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY
157590	RU	10-2011-7015175	HEMPY	Filed	26-Nov-09	HEMPY	157590RU09	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY	
157590	JP	2011-531906	HEMPY	502033	Granted	26-Nov-09	26-Sep-14	157590JP08	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY
157590	IN	4439/CHEMP/2011	HEMPY	Filed	26-Nov-09	HEMPY	157590IN07	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY	
157590	EP	3829292	HEMPY	Filed	26-Nov-09	HEMPY	157590EP07	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY	
157590	CN	20090158268.1	HEMPY	Filed	26-Nov-09	HEMPY	157590CN09	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY	
157590	CA	2,745,009	HEMPY	Filed	26-Nov-09	HEMPY	157590CA04	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY	
157590	BR	PI022235-2	HEMPY	Filed	26-Nov-09	HEMPY	157590BR09	DSP BASED FREQUENCY AGILE FILTER USING NEGATIVE GROUP DELAY	
157590	WO	10-2011-7099138	HEMPY	Filed	18-Sep-09	HEMPY	157590W007	METHOD AND SYSTEM FOR SPACE CODE TRANSMIT DIVERSITY OF PLSCH	
157590	JP	2011-527169	HEMPY	553932	Granted	18-Sep-09	9-May-14	157590JP08	METHOD AND SYSTEM FOR SPACE CODE TRANSMIT DIVERSITY OF PLSCH
157590	IN	2490/CHEMP/2011	HEMPY	Filed	18-Sep-09	HEMPY	157590IN06	METHOD AND SYSTEM FOR SPACE CODE TRANSMIT DIVERSITY OF PLSCH	
157590	EP	3813912.1	HEMPY	Filed	18-Sep-09	HEMPY	157590EP04	METHOD AND SYSTEM FOR SPACE CODE TRANSMIT DIVERSITY OF PLSCH	
157590	CN	20110429726.6	HEMPY	Filed	18-Sep-09	HEMPY	157590CN05	METHOD AND SYSTEM FOR SPACE CODE TRANSMIT DIVERSITY OF PLSCH	

137290	CN	200801454063	200801454063	Granted	19-Sep-09	HENPTI	137290C00EN	METHOD AND SYSTEM FOR SPACE CODE TRANSMIT DIVERSITY OF PULCH
137290	FR	W0915005-8		HENPTI	19-Sep-09	HENPTI	137290C00EN	METHOD AND SYSTEM FOR SPACE CODE TRANSMIT DIVERSITY OF PULCH
138201	EP	6789365		HENPTI	28-Jul-08	HENPTI	138010EP0AT	SECURIZED NETWORK IDENTITY MANAGEMENT
138201	EP	7869555		HENPTI	12-Dec-07	HENPTI	138010EP0AT	DISTRIBUTED NETWORK IDENTITY MANAGEMENT
138220	WO	PCT/CA2011/000759		Inactive	13-Jul-11	HENPTI	138220C00ZW	BROADBAND COHERENT AMPLIFIER USING BROADBAND TRANSFORMER
138220	FR	13-2014-700080		HENPTI	13-Jul-11	HENPTI	138220C00ZW	BROADBAND COHERENT AMPLIFIER USING BROADBAND TRANSFORMER
138220	JP	2014-519354		HENPTI	13-Jul-11	HENPTI	138220C00JP	BROADBAND COHERENT AMPLIFIER USING BROADBAND TRANSFORMER
138220	EP	13865485		HENPTI	13-Jul-11	HENPTI	138220C00EP	BROADBAND COHERENT AMPLIFIER USING BROADBAND TRANSFORMER
138220	CN	201360722286		HENPTI	13-Jul-11	HENPTI	138220C00CN	BROADBAND COHERENT AMPLIFIER USING BROADBAND TRANSFORMER
13836A	WO	PCT/AU2010/095961		Inactive	23-Jun-10	HENPTI	13836A000ZW	METHOD AND APPARATUS FOR SIMULATING MULTIBRETTING
13836A	JP	2012-517673		HENPTI	23-Jun-10	HENPTI	13836A000JP	METHOD AND APPARATUS FOR SIMULATING MULTIBRETTING
13836A	EP	2012575802		HENPTI	23-Jun-10	HENPTI	13836A000EP	METHOD AND APPARATUS FOR SIMULATING MULTIBRETTING
138425	RU	2011140878		HENPTI	19-Mar-10	HENPTI	138425S0100EN	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
138425	FR	13-2011-704314		HENPTI	19-Mar-10	HENPTI	138425S000EN	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
138425	JP	2012-500015	552925	Granted	19-Mar-10	25-Apr-12	138425S000EN	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
138425	IN	6385/CHEMP/2201		HENPTI	19-Mar-10	HENPTI	138425S010IN	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
138425	EP	107333842		HENPTI	19-Mar-10	HENPTI	138425SEP02	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
138425	CN	201060021217		HENPTI	19-Mar-10	HENPTI	138425S000CN	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
138425	CA	2,755,792		HENPTI	19-Mar-10	HENPTI	138425S000CA	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
138425	FR	PE10080714		HENPTI	19-Mar-10	HENPTI	138425S000EN	DELIVERY OF INPUT/OUTPUT DATA WITHIN A STANDARD ATCA SYSTEM
138470	WO	PCT/CA2010/006010		Inactive	21-Apr-10	HENPTI	138470C00ZW	METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESS
138470	JP	2014-136447		HENPTI	28-Aug-14	HENPTI	138470C00JP	METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESS
138470	EP	2012-506305		HENPTI	21-Apr-10	HENPTI	138470C00EP	METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESS
138470	EP	10765663		HENPTI	21-Apr-10	HENPTI	138470C00EP	METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESS
138470	CN	201060204963		HENPTI	21-Apr-10	HENPTI	138470C00CN	METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESS
138470	CA	2,755,520		HENPTI	21-Apr-10	HENPTI	138470C00CA	METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESS
138470	AU	2010235067		HENPTI	21-Apr-10	HENPTI	138470C00AU	METHOD AND APPARATUS FOR ACCOMMODATING DUPLICATE MAC ADDRESS
13858A	WO	PCT/AU2012/026288		Inactive	29-Aug-12	HENPTI	13858A000ZW	FACIAL TRACKING AUDIO MIXING CONTROL
139390	WO	PCT/CA2011/059398		Inactive	29-Jun-11	HENPTI	139390C00ZW	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
139390	FR	13-2013-705572		HENPTI	29-Jun-11	HENPTI	139390C00FR	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
139390	JP	PCT/CA2011/059398		HENPTI	29-Jun-11	HENPTI	139390C00JP	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
139390	IN	10775/DELMP/2203		HENPTI	29-Jun-11	HENPTI	139390C00IN	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
139390	EP	11868564		HENPTI	29-Jun-11	HENPTI	139390CEP02	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
139390	CN	201190073733		HENPTI	29-Jun-11	HENPTI	139390C00CN	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
139390	CA	2,833,245		HENPTI	29-Jun-11	HENPTI	139390C00CA	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
139390	BR	1.120138412		HENPTI	29-Jun-11	HENPTI	139390C00BR	METHOD AND APPARATUS FOR PRE-LOADING INFORMATION OVER A COMMUNICATION
139390	WO	PCT/NO2010/001955		Inactive	5-Aug-10	HENPTI	139390C00ZW	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139390	RU	2013104140		HENPTI	5-Aug-10	HENPTI	139390C00RU	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139390	FR	13-2013-705531		HENPTI	5-Aug-10	HENPTI	139390C00FR	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139390	JP	2013-52312		HENPTI	5-Aug-10	HENPTI	139390C00JP	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139390	IN	1788/DELMP/2203		HENPTI	5-Aug-10	HENPTI	139390C00IN	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139390	EP	10655574		HENPTI	5-Aug-10	HENPTI	139390CEP02	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139390	CN	20106064671		HENPTI	5-Aug-10	HENPTI	139390C00CN	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139390	CA	2,807,241		HENPTI	5-Aug-10	HENPTI	139390C00CA	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139390	BR	BR1.12013000717-7		HENPTI	5-Aug-10	HENPTI	139390C00BR	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139390	AU	2010357420		HENPTI	5-Aug-10	HENPTI	139390C00AU	WEB BASED ACCESS TO VIDEO CONTENT ASSOCIATED WITH VOICEMAIL
139410	WO	PCT/CA2010/001388		Inactive	8-Sep-10	HENPTI	139410C00ZW	ENHANCED SYMMETRIC THE BREAKING ALGORITHM
139410	FR	13-2012-705069		HENPTI	8-Sep-10	HENPTI	139410C00FR	ENHANCED SYMMETRIC THE BREAKING ALGORITHM
139410	JP	2012-528201	555123	Granted	8-Sep-10	30-May-14	139410C00JP	ENHANCED SYMMETRIC THE BREAKING ALGORITHM
139410	IN	2332/DELMP/2202		HENPTI	8-Sep-10	HENPTI	139410C00IN	ENHANCED SYMMETRIC THE BREAKING ALGORITHM
139410	EP	141753061		HENPTI	8-Sep-10	HENPTI	139410CEP15V	ENHANCED SYMMETRIC THE BREAKING ALGORITHM
139410	EP	108145826		HENPTI	8-Sep-10	HENPTI	139410CEP02	ENHANCED SYMMETRIC THE BREAKING ALGORITHM
139410	CN	201060502218		HENPTI	8-Sep-10	HENPTI	139410C00CN	ENHANCED SYMMETRIC THE BREAKING ALGORITHM
139410	CA	2,777,400		HENPTI	8-Sep-10	HENPTI	139410C00CA	METHOD AND APPARATUS FOR SELECTING BETWEEN MULTIPLE EQUAL COST PATHS
139410	BR	1.120138412		HENPTI	8-Sep-10	HENPTI	139410C00BR	ENHANCED SYMMETRIC THE BREAKING ALGORITHM
139580	WO	PCT/CA2011/059421		Inactive	11-Jul-11	HENPTI	139580C00ZW	AMPLIFIED LINEARIZATION USING NON-STANDARD FEEDBACK
139580	FR	13-2014-7000812		HENPTI	11-Jul-11	HENPTI	139580C00FR	AMPLIFIED LINEARIZATION USING NON-STANDARD FEEDBACK
139580	JP	2014-519355		HENPTI	11-Jul-11	HENPTI	139580C00JP	AMPLIFIED LINEARIZATION USING NON-STANDARD FEEDBACK
139580	EP	118692073		HENPTI	11-Jul-11	HENPTI	139580CEP02	AMPLIFIED LINEARIZATION USING NON-STANDARD FEEDBACK
139580	CN	201180072293		HENPTI	11-Jul-11	HENPTI	139580C00CN	AMPLIFIED LINEARIZATION USING NON-STANDARD FEEDBACK
139598	WO	PCT/AU2010/091527		Inactive	5-Oct-10	HENPTI	139598C00ZW	INTER-RA6 BIDIRECTIONAL IP TUNNELING FOR PMPv6-FAST HANDOFF
139598	RU	2012119252		HENPTI	5-Oct-10	HENPTI	139598C00RU	INTER-RA6 BIDIRECTIONAL IP TUNNELING FOR PMPv6-FAST HANDOFF
139598	FR	13-2012-701193		HENPTI	5-Oct-10	HENPTI	139598C00FR	INTER-RA6 BIDIRECTIONAL IP TUNNELING FOR PMPv6-FAST HANDOFF
139598	JP	2012-532345		HENPTI	5-Oct-10	HENPTI	139598C00JP	INTER-RA6 BIDIRECTIONAL IP TUNNELING FOR PMPv6-FAST HANDOFF
139598	IN	5097/DELMP/2202		HENPTI	5-Oct-10	HENPTI	139598C00IN	INTER-RA6 BIDIRECTIONAL IP TUNNELING FOR PMPv6-FAST HANDOFF
139598	EP	108295558		HENPTI	5-Oct-10	HENPTI	139598CEP02	INTER-RA6 BIDIRECTIONAL IP TUNNELING FOR PMPv6-FAST HANDOFF
139598	CN	20106050812		HENPTI	5-Oct-10	HENPTI	139598C00CN	INTER-RA6 BIDIRECTIONAL IP TUNNELING FOR PMPv6-FAST HANDOFF
139598	CA	2,777,047		HENPTI	5-Oct-10	HENPTI	139598C00CA	INTER-RA6 BIDIRECTIONAL IP TUNNELING FOR PMPv6-FAST HANDOFF
139598	BR	11201200808-0		HENPTI	5-Oct-10	HENPTI	139598C00BR	INTER-RA6 BIDIRECTIONAL IP TUNNELING FOR PMPv6-FAST HANDOFF
139598	WO	PCT/CA2011/000211		Inactive	25-Feb-11	HENPTI	139598C00ZW	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS
139598	RU	2012139555		HENPTI	25-Feb-11	HENPTI	139598C00RU	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS
139598	FR	13-2012-702043		HENPTI	25-Feb-11	HENPTI	139598C00FR	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS
139598	JP	2012-555345		HENPTI	25-Feb-11	HENPTI	139598C00JP	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS
139598	IN	6888/DELMP/2202		HENPTI	25-Feb-11	HENPTI	139598C00IN	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS
139598	EP	117523663		HENPTI	25-Feb-11	HENPTI	139598CEP02	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS
139598	CN	201100120121		HENPTI	25-Feb-11	HENPTI	139598C00CN	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS
139598	CA	2,781,596		HENPTI	25-Feb-11	HENPTI	139598C00CA	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS
139598	BR	1.120138412		HENPTI	25-Feb-11	HENPTI	139598C00BR	METHOD AND APPARATUS FOR REDUCING THE CONTRIBUTION OF NOISE TO DIGITALLY SAMPLED SIGNALS
139598	WO	PCT/AU2012/025552		Inactive	17-Feb-12	HENPTI	139598C00ZW	NEXT-HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTIPATH PACKET SWITCHING NETWORKS
139598	FR	13-2013-701592		HENPTI	17-Feb-12	HENPTI	139598C00FR	NEXT-HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTIPATH PACKET SWITCHING NETWORKS
139598	JP	2013-554624		HENPTI	17-Feb-12	HENPTI	139598C00JP	NEXT-HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTIPATH PACKET SWITCHING NETWORKS
139598	IN	6437/DELMP/2203		HENPTI	17-Feb-12	HENPTI	139598C00IN	NEXT-HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTIPATH PACKET SWITCHING NETWORKS
139598	EP	127458915		HENPTI	17-Feb-12	HENPTI	139598CEP02	NEXT-HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTIPATH PACKET SWITCHING NETWORKS
139598	CN	201280049363		HENPTI	17-Feb-12	HENPTI	139598C00CN	NEXT-HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTIPATH PACKET SWITCHING NETWORKS
139598	CA	2,820,763		HENPTI	17-Feb-12	HENPTI	139598C00CA	NEXT-HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTIPATH PACKET SWITCHING NETWORKS
139598	BR	1.120138412		HENPTI	17-Feb-12	HENPTI	139598C00BR	NEXT-HOP COMPUTATION FUNCTIONS FOR EQUAL COST MULTIPATH PACKET SWITCHING NETWORKS
2000065	WO	PCT/CA2010/061121		HENPTI	25-Nov-14	HENPTI	200006500ZW	ETHERNET PACKET TRULIN AGGREGATION FOR DATA CENTERS
2000065	WO	PCT/CA2010/061125		HENPTI	27-Nov-14	HENPTI	200006500ZW	SOFTWARE-DEFINED NETWORKING DISCOVERY PROTOCOL FOR OPEN FLOW ENABLED SWITCHES
64012	JP	27892959		HENPTI	13-Oct-03	HENPTI	64012	MULTIPLEXING OF COMMUNICATIONS SERVICES ON A VIRTUAL SERVICE PATH IN AN ATM NETWORK OR THE LIKE

Standard Number	Country	Year	Title	Status	Effective Date	Repeals	Notes
B4298	IL	107.163	HEMPT	Filed	29-Sep-03	HEMPT	B4298
B4297	GB	9957799.2	135 888	Granted	9-Dec-99	13-AJ-99	B4297
B4297	FR	9957799.2	135 888	Granted	9-Dec-99	13-AJ-99	B4297
B4297	DE	9957799.2	69941622	Granted	9-Dec-99	13-AJ-99	B4297
B4295	GB	311286.0	1 111 860	Granted	15-Dec-00	54-Nov-95	B4295
B4295	FR	311286.0	1 111 860	Granted	15-Dec-00	54-Nov-95	B4295
B4295	DE	311286.0	60029628	Granted	15-Dec-00	54-Nov-95	B4295
B4295	GB	302446.0	1 052 803	Granted	24-Feb-00	20-Mar-99	B4295
B4295	FR	302446.0	1 052 803	Granted	24-Feb-00	20-Mar-99	B4295
B4295	DE	302446.0	60043716	Granted	24-Feb-00	20-Mar-99	B4295
B4291	GB	202894.0	1 079 570	Granted	19-Aug-00	29-Nov-98	B4291
B4291	FR	202894.0	1 079 570	Granted	19-Aug-00	29-Nov-98	B4291
B4291	DE	60030751-08	1 079 570	Granted	19-Aug-00	29-Nov-98	B4291
B4291	CA	2,311,105	2,311,105	Granted	2-Jun-00	17-Feb-99	B4291
B4210	GB	650271.0	1 107 507	Granted	15-Sep-00	25-Jun-96	B4210
B4210	FR	650271.0	1 107 507	Granted	15-Sep-00	25-Jun-96	B4210
B4210	DE	650271.0	60059628	Granted	15-Sep-00	25-Jun-96	B4210
B4210	CA	2,310,346	2,310,346	Granted	2-Jun-00	20-Aug-99	B4210
B4257	GB	307072.0	1 079 578	Granted	19-Aug-00	27-Feb-13	B4257
B4257	FR	307072.0	1 079 578	Granted	19-Aug-00	27-Feb-13	B4257
B4257	EP	307072.0	1 079 578	Inactive	19-Aug-00	27-Feb-13	B4257
B4257	DE	307072.0	1 079 578	Granted	19-Aug-00	27-Feb-13	B4257
B4257	CA	2,316,435	2,316,435	Granted	19-Aug-00	22-Apr-99	B4257
B4267	GB	308344.0	1 093 262	Granted	11-Oct-00	14-Sep-95	B4267
B4267	FR	308344.0	1 093 262	Granted	11-Oct-00	14-Sep-95	B4267
B4267	DE	308344.0	60022600	Granted	11-Oct-00	14-Sep-95	B4267
B4267	CA	2,310,524	2,310,524	Granted	2-Jun-00	15-Nov-99	B4267
FR017	GB	58420381.0	9 596 304	Granted	19-Oct-98	14-Mar-97	FR017
FR017	DE	58420381.0	9 596 304	Granted	19-Oct-98	14-Mar-97	FR017
FR017	DE	58420381.0	69837332	Granted	19-Oct-98	14-Mar-97	FR017
FR023	GB	93957671.0	1 009 515	Granted	29-Jun-99	16-Jul-92	FR023
FR023	FR	93989350	2780523	Granted	26-Jun-98	26-Jul-90	FR023
FR023	DE	93957671.0	69902542	Granted	29-Jun-99	16-Jul-92	FR023
FR024	CA	2,213,228	2,213,228	Granted	30-Oct-97	20-Aug-92	FR024
RU018	CA	2,254,803	2,254,803	Granted	1-Dec-98	24-Feb-94	RU018
RU063	GB	9122571.0	2 260 983	Inactive	24-Oct-91	21-Jun-83	RU063
RU010	GB	9216857.0	2 269 073	Inactive	23-Jul-92	19-Jun-88	RU010
RU010	FR	9390909	5930030	Inactive	22-Jul-93	5-Apr-88	RU010
RU040	GB	9404817.0	2 276 787	Granted	14-Mar-94	23-Oct-86	RU040
RU040	EP	94301700.0	9 617 327	Inactive	14-Mar-94	23-Apr-90	RU040
RU052	GB	96900343.0	9 808 546	Granted	9-Feb-96	23-May-90	RU052
RU052	FR	96900343.0	9 808 546	Granted	9-Feb-96	23-May-90	RU052
RU052	DE	96900343.0	696 12 961.2	Granted	9-Feb-96	23-May-90	RU052
RU055	GB	9312506.0	2 272 608	Granted	22-Jun-93	9-Oct-88	RU055
RU062	JP	6-28815	3488502	Granted	31-Jan-94	31-Oct-90	RU062
RU062	GB	9400676	2 274 751	Granted	18-Jan-94	6-Nov-98	RU062
RU062	FR	9401026	2701179	Granted	31-Jan-94	24-Nov-95	RU062
RU062	DE	44 02 428.2	44 02 428.2	Granted	27-Jan-94	19-Jun-93	RU062
RU005	EP	94301062.0	9 656 550	Inactive	10-Oct-94	16-Oct-98	RU005
RU012	GB	9421870.0	2 283 831	Granted	31-Oct-94	6-Nov-98	RU012
RU020	JP	26213795	3033687	Granted	14-Sep-95	7-Mar-95	RU020
RU020	FR	95360646.0	9 702 452	Granted	30-Aug-95	20-Mar-99	RU020
RU020	DE	95360646.0	695 07 410.5	Granted	30-Aug-95	20-Mar-99	RU020
RU029	GB	95922673.0	768893	Granted	21-Jun-95	05-Sep-98	RU029
RU029	GB	9412506.5	2230680	Granted	22-Jun-94	18-Nov-98	RU029
RU029	FR	95922673.0	768893	Granted	21-Jun-95	05-Sep-98	RU029
RU029	DE	95922673.0	69504676	Granted	21-Jun-95	05-Sep-98	RU029
RU029	CA	2,192,100	2,192,100	Granted	21-Jun-95	28-Nov-90	RU029
RU036	GB	96958904.0	9 842 573	Granted	29-Jul-96	5-Oct-90	RU036
RU036	FR	96958904.0	9 842 573	Granted	29-Jul-96	5-Oct-90	RU036
RU036	DE	96958904.0	696 17 695.5	Granted	29-Jul-96	5-Oct-90	RU036
RU073	JP	9-550963	3620688	Granted	16-Aug-96	24-Dec-94	RU073
RU073	GB	96927805.0	9 645 185	Granted	16-Aug-96	7-Mar-90	RU073
RU073	FR	96927805.0	9 645 185	Granted	16-Aug-96	7-Mar-90	RU073
RU073	DE	96927805.0	696 12 004.6	Granted	16-Aug-96	7-Mar-90	RU073
RU073	CA	2,211,215	2,211,215	Granted	16-Aug-96	17-Apr-90	RU073
RU045	GB	96942959.0	9 867 086	Granted	13-Dec-96	6-Feb-90	RU045
RU045	FR	96942959.0	9 867 086	Granted	13-Dec-96	6-Feb-90	RU045
RU045	DE	96942959.0	696 19 133.4	Granted	13-Dec-96	6-Feb-90	RU045
RU433	JP	06-39799	397981	Granted	24-Oct-97	5-Jan-97	RU433
RU438	GB	97980405.0	9 888 700	Granted	21-Mar-97	16-Oct-92	RU438
RU438	FR	97980405.0	9 888 700	Granted	21-Mar-97	16-Oct-92	RU438
RU438	DE	97980405.0	697 16 412.8	Granted	21-Mar-97	16-Oct-92	RU438
RU480	SE	97358993.0	9 849 999	Granted	4-Aug-97	12-Feb-93	RU480
RU480	JP	2009-121869	4351467	Granted	6-Mar-99	31-Jul-96	RU480
RU480	GB	97358993.0	9 849 999	Granted	4-Aug-97	12-Feb-93	RU480
RU480	FR	97358993.0	9 849 999	Granted	4-Aug-97	12-Feb-93	RU480
RU480	DE	97358993.0	697 19 002.1	Granted	4-Aug-97	12-Feb-93	RU480
RU480	CA	2,221,541	2,221,541	Granted	19-Nov-97	21-Nov-96	RU480
RU486	GB	9808086.5	2310106	Granted	12-Feb-96	5-Jul-90	RU486
RU493	GB	9702571.0	2 310 113	Granted	7-Feb-97	5-Sep-90	RU493
RU507	GB	97303284.0	9 777 374	Granted	21-Mar-97	24-Nov-94	RU507
RU507	FR	97303284.0	9 777 374	Granted	21-Mar-97	24-Nov-94	RU507
RU507	DE	97303284.0	69731202	Granted	21-Mar-97	24-Nov-94	RU507
RU532	JP	504961098	9292181	Granted	3-Jul-97	14-Jul-96	RU532
RU532	FR	979294154.0	9 908 525	Granted	3-Jul-97	24-Nov-94	RU532
RU532	GB	9614381.0	2 314 955	Granted	5-Jul-96	14-Nov-90	RU532
RU532	FR	979294154.0	9 908 525	Granted	3-Jul-97	24-Nov-94	RU532
RU532	EP	4028292.5	HEMPT	Filed	4-Oct-94	HEMPT	RU532

SECRET								
Item No.	Ref.	Applicant	Status	Date	Description			
00532	EP	402581.8	HEMPY	Filed	4-01-04	HEMPY	00532	TELECOMMUNICATIONS SYSTEM
00532	DE	97929154	697314653	Granted	3-Jul-97	3-Jun-96	00532	ATM TELECOMMUNICATIONS SYSTEMS AND METHOD FOR ROUTING NARROW BAND TRAFFIC
00533	GB	97933773	0 516 124	Granted	25-Jul-97	26-Sep-95	00533	POWERLINE COMMUNICATIONS
00533	FR	97933773	0 516 124	Granted	25-Jul-97	26-Sep-95	00533	POWERLINE COMMUNICATIONS
00533	DE	97933773	697306972	Granted	25-Jul-97	26-Sep-95	00533	POWERLINE COMMUNICATIONS
00535	GB	97533772	0 517 769	Granted	25-Jul-97	16-May-95	00535	OPTICAL BASE STATION COMBENER FOR 3-PHASE
00535	FR	97533772	0 517 769	Granted	25-Jul-97	16-May-95	00535	OPTICAL BASE STATION COMBENER FOR 3-PHASE
00535	DE	97533772	697 04 868.3	Granted	25-Jul-97	16-May-95	00535	OPTICAL BASE STATION COMBENER FOR 3-PHASE
00553	GB	97509452	0 394 673	Granted	17-Oct-97	29-Nov-92	00553	DIGITAL COMMUNICATIONS SYSTEM
00553	FR	97509452	0 394 673	Granted	17-Oct-97	29-Nov-92	00553	DIGITAL COMMUNICATIONS SYSTEM
00553	DE	97509452	697 17 300.3	Granted	17-Oct-97	29-Nov-92	00553	DIGITAL COMMUNICATIONS SYSTEM
00580	GB	98029871	0 388 712	Granted	8-Jun-98	30-Jul-93	00580	DATA TRANSMISSION OVER A POWERLINE COMMUNICATIONS SYSTEM
00580	FR	98029871	0 388 712	Granted	8-Jun-98	30-Jul-93	00580	DATA TRANSMISSION OVER A POWERLINE COMMUNICATIONS SYSTEM
00580	DE	98029871	698 16 823.4	Granted	8-Jun-98	30-Jul-93	00580	DATA TRANSMISSION OVER A POWERLINE COMMUNICATIONS SYSTEM
00580	CA	2,293,353	2,293,353	Granted	8-Jun-98	4-May-93	00580	DATA TRANSMISSION OVER A POWERLINE COMMUNICATIONS SYSTEM
00604	SE	97308987	0 845 912	Inactive	19-Nov-97	21-Dec-11	00604	NETWORK RESTORATION ROUTING OPTIMISATION
00604	NL	97308987	0 845 912	Inactive	19-Nov-97	21-Dec-11	00604	NETWORK RESTORATION ROUTING OPTIMISATION
00604	JP	2006-273508	4459283	Granted	4-Oct-06	12-Feb-10	00604	NETWORK RESTORATION ROUTING OPTIMISATION
00604	JP	5867671397	3892201	Granted	27-Nov-97	22-Dec-96	00604	NETWORK RESTORATION ROUTING OPTIMISATION
00604	GB	97308987	0 845 912	Granted	19-Nov-97	21-Dec-11	00604	NETWORK RESTORATION ROUTING OPTIMISATION
00604	FR	97308987	0 845 912	Granted	19-Nov-97	21-Dec-11	00604	NETWORK RESTORATION ROUTING OPTIMISATION
00604	FI	97308987	0 845 912	Granted	19-Nov-97	21-Dec-11	00604	NETWORK RESTORATION ROUTING OPTIMISATION
00604	DE	97308987	0 845 912	Granted	19-Nov-97	21-Dec-11	00604	NETWORK RESTORATION ROUTING OPTIMISATION
00604	CA	2,220,792	2,220,792	Granted	12-Nov-97	17-Dec-92	00604	NETWORK RESTORATION ROUTING OPTIMISATION
00613	GB	973093545	0 849 622	Granted	29-Nov-97	19-Sep-93	00613	ALL-OPTICAL SAMPLING BY MODULATING A PULSE TRAIN
00613	FR	973093545	0 849 622	Granted	29-Nov-97	19-Sep-93	00613	ALL-OPTICAL SAMPLING BY MODULATING A PULSE TRAIN
00613	DE	973093545	69724750.3	Granted	29-Nov-97	19-Sep-93	00613	ALL-OPTICAL SAMPLING BY MODULATING A PULSE TRAIN
00640	FR	974539355	0 341 528	Granted	1-Dec-97	6-Mar-92	00640	SCALABLE DATA NETWORK ROUTER
00642	GB	97209503	2331431	Granted	16-Dec-97	26-Jan-92	00642	RESERVATIONS SCHEDULER FOR CONNECTIONS IN A COMMUNICATIONS NETWORK
00694	GB	98095521	0 962 117	Granted	19-Feb-98	27-Aug-93	00694	ATM ADAPTATION LAYER SWITCHING
00694	FR	98095521	0 962 117	Granted	19-Feb-98	27-Aug-93	00694	ATM ADAPTATION LAYER SWITCHING
00694	DE	98095521	698 17 540.0	Granted	19-Feb-98	27-Aug-93	00694	ATM ADAPTATION LAYER SWITCHING
00694	CA	2,278,725	2,278,725	Granted	19-Feb-98	6-Jul-96	00694	ADAPTATION LAYER SWITCHING
00701	SE	983061207	0 923 269	Granted	30-Jul-98	5-May-10	00701	CAPABILITY MODELLING USING TEMPLATES IN NETWORK MANAGEMENT SYSTEM
00701	GB	983061207	0 923 269	Granted	30-Jul-98	5-May-10	00701	CAPABILITY MODELLING USING TEMPLATES IN NETWORK MANAGEMENT SYSTEM
00701	FR	983061207	0 923 269	Granted	30-Jul-98	5-May-10	00701	CAPABILITY MODELLING USING TEMPLATES IN NETWORK MANAGEMENT SYSTEM
00701	FI	983061207	0 923 269	Granted	30-Jul-98	5-May-10	00701	CAPABILITY MODELLING USING TEMPLATES IN NETWORK MANAGEMENT SYSTEM
00701	DE	983061207	69841646.5	Granted	30-Jul-98	5-May-10	00701	CAPABILITY MODELLING USING TEMPLATES IN NETWORK MANAGEMENT SYSTEM
00701	CA	2,244,564	2,244,564	Granted	5-Aug-98	1-Mar-95	00701	CAPABILITY MODELLING USING TEMPLATES IN NETWORK MANAGEMENT SYSTEM
00716	GB	983069845	0 907 090	Granted	30-Jul-98	6-Oct-94	00716	INTEGRATED OPTICAL WAVEGUIDE AND METHOD OF MANUFACTURING
00716	FR	983069845	0 907 090	Granted	30-Jul-98	6-Oct-94	00716	INTEGRATED OPTICAL WAVEGUIDE AND METHOD OF MANUFACTURING
00716	DE	983069845	69828000.8	Granted	30-Jul-98	6-Oct-94	00716	INTEGRATED OPTICAL WAVEGUIDE AND METHOD OF MANUFACTURING
00716	CA	2,245,409	2,245,409	Granted	24-Aug-98	13-Feb-97	00716	PLANAR OPTICAL WAVEGUIDE
00722	JP	2000-506739	3513471	Granted	5-Aug-98	9-Feb-97	00722	SYSTEM AND METHOD FOR ESTABLISHING A COMMUNICATION CONNECTION
00722	GB	40135956	1 452 257	Granted	9-Jun-04	13-Oct-10	00722	SYSTEM AND METHOD FOR ESTABLISHING A COMMUNICATION CONNECTION
00722	FR	40135956	1 452 257	Granted	9-Jun-04	13-Oct-10	00722	SYSTEM AND METHOD FOR ESTABLISHING A COMMUNICATION CONNECTION
00722	DE	40135956	1 452 257	Granted	9-Jun-04	13-Oct-10	00722	SYSTEM AND METHOD FOR ESTABLISHING A COMMUNICATION CONNECTION
00782	GB	98729588	1 001 866	Granted	6-Jun-98	23-Oct-92	00782	DATA TRANSMISSION OVER A POWERLINE COMMUNICATIONS SYSTEM
00782	FR	98729588	1 001 866	Granted	6-Jun-98	23-Oct-92	00782	DATA TRANSMISSION OVER A POWERLINE COMMUNICATIONS SYSTEM
00782	DE	98729588	698 08 958.8	Granted	6-Jun-98	23-Oct-92	00782	DATA TRANSMISSION OVER A POWERLINE COMMUNICATIONS SYSTEM
00791	GB	97727242	0 332 832	Granted	23-Dec-97	4-Jul-93	00791	COMMUNICATION SYSTEM AND METHOD OF ROUTING INFORMATION THEREIN
00805	GB	98454533	1 001 867	Granted	2-Oct-98	10-Apr-92	00805	COUPLING COMMUNICATIONS SIGNALS TO A POWERLINE
00805	FR	98454533	1 001 867	Granted	2-Oct-98	10-Apr-92	00805	COUPLING COMMUNICATIONS SIGNALS TO A POWERLINE
00805	DE	98454533	698 04 837.7	Granted	2-Oct-98	10-Apr-92	00805	COUPLING COMMUNICATIONS SIGNALS TO A POWERLINE
00805	CA	2,304,678	2,304,678	Granted	2-Oct-98	3-Apr-97	00805	COUPLING COMMUNICATIONS SIGNALS TO A POWERLINE
00835	SE	983077884	0 907 303	Granted	25-Sep-98	3-Sep-98	00835	VIRTUAL SWITCHING
00835	GB	983077884	0 907 303	Granted	25-Sep-98	3-Sep-98	00835	VIRTUAL SWITCHING
00835	FR	983077884	0 907 303	Granted	25-Sep-98	3-Sep-98	00835	VIRTUAL SWITCHING
00835	DE	983077884	69839916	Granted	25-Sep-98	3-Sep-98	00835	VIRTUAL SWITCHING
00835	CN	98120862	98120862	Granted	30-Sep-98	14-Jul-94	00835	VIRTUAL SWITCHING
00835	CA	2,243,143	2,243,143	Granted	30-Sep-98	21-Sep-10	00835	VIRTUAL SWITCHING
00843	SE	98109553	0 926 200	Granted	8-Dec-98	2-Aug-96	00843	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREOF
00843	GB	98109553	0 926 200	Granted	8-Dec-98	2-Aug-96	00843	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREOF
00843	FR	98109553	0 926 200	Granted	8-Dec-98	2-Aug-96	00843	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREOF
00843	FI	98109553	0 926 200	Granted	8-Dec-98	2-Aug-96	00843	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREOF
00843	DE	98109553	69835412.3	Granted	8-Dec-98	2-Aug-96	00843	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREOF
00843	CA	2,256,187	2,256,187	Granted	15-Dec-98	23-Jan-97	00843	COMMUNICATION SYSTEM ARCHITECTURE AND OPERATING PROTOCOL THEREOF
00845	JP	2000-539572	4772954	Granted	15-Dec-98	9-Mar-97	00845	COMMUNICATION SYSTEM ARCHITECTURE AND A MANAGEMENT CONTROL AGENT AND OPERATING PROTOCOL THEREOF
00845	EP	989600283	HEMPY	Filed	15-Dec-98	HEMPY	00845	COMMUNICATION SYSTEM ARCHITECTURE AND A MANAGEMENT CONTROL AGENT AND OPERATING PROTOCOL THEREOF
00845	CA	2,314,927	2,314,927	Granted	15-Dec-98	10-Aug-94	00845	COMMUNICATION SYSTEM ARCHITECTURE AND A MANAGEMENT CONTROL AGENT AND OPERATING PROTOCOL THEREOF
00845	AU	15715/99	742133	Granted	15-Dec-98	4-Apr-92	00845	COMMUNICATION SYSTEM ARCHITECTURE AND A MANAGEMENT CONTROL AGENT AND OPERATING PROTOCOL THEREOF
00847	GB	993000726	0 955 787	Granted	18-Mar-99	22-Dec-93	00847	ADAPTABLE RESOURCE MODULE AND OPERATING METHOD THEREOF
00847	FR	993000726	0 955 787	Granted	18-Mar-99	22-Dec-93	00847	ADAPTABLE RESOURCE MODULE AND OPERATING METHOD THEREOF
00847	DE	993000726	0 955 787	Granted	18-Mar-99	22-Dec-93	00847	ADAPTABLE RESOURCE MODULE AND OPERATING METHOD THEREOF
00847	CA	2,268,760	2,268,760	Granted	7-Apr-99	17-Jan-96	00847	ADAPTABLE RESOURCE MODULE AND OPERATING METHOD THEREOF
00882	GB	993048765	0 982 900	Granted	22-Jun-99	14-Jun-95	00882	TRANSMISSION OF FRAME BASED DATA OVER SYNCHRONOUS DIGITAL HIERARCHY NETWORK
00882	FR	993048765	0 982 900	Granted	22-Jun-99	14-Jun-95	00882	TRANSMISSION OF FRAME BASED DATA OVER SYNCHRONOUS DIGITAL HIERARCHY NETWORK
00882	DE	993048765	69925548.1	Granted	22-Jun-99	14-Jun-95	00882	TRANSMISSION OF FRAME BASED DATA OVER SYNCHRONOUS DIGITAL HIERARCHY NETWORK
00889	GB	10175161	2 271 128	Granted	22-Jun-99	4-Jul-12	00889	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
00889	FR	993048778	0 982 969	Granted	22-Jun-99	26-Aug-11	00889	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
00889	FR	10175161	2 271 128	Granted	22-Jun-99	4-Jul-12	00889	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
00889	FR	993048778	0 982 969	Granted	22-Jun-99	26-Aug-11	00889	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
00889	EP	10175161	2 271 128	Inactive	22-Jun-99	4-Jul-12	00889	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
00889	DE	10175161	69944295.8	Granted	22-Jun-99	4-Jul-12	00889	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
00889	DE	993048778	0 982 969	Granted	22-Jun-99	26-Aug-11	00889	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
00889	CA	2,276,969	2,276,969	Granted	7-Jul-99	29-Dec-98	00889	PAYLOAD MAPPING IN SYNCHRONOUS NETWORKS
00943	GB	2073200	2073200	Granted	13-Mar-99	30-Jun-98	00943	A CONTAINER FOR ELECTRICAL ELECTRONIC EQUIPMENT
00951	GB	9907144.3	1 062 739	Granted	9-Mar-99	28-Jul-94	00951	CARRYING SPEECH BAND SIGNALS OVER A POWERLINE COMMUNICATIONS SYSTEM
00951	FR	9907144.3	1 062 739	Granted	9-Mar-99	28-Jul-94	00951	CARRYING SPEECH BAND SIGNALS OVER A POWERLINE COMMUNICATIONS SYSTEM

00951	DE	59707345	6918963	Granted	19-Jan-99	29-Jul-94	00951	CARRYING SPEECH BAND SIGNALS OVER A POWER LINE COMMUNICATIONS SYSTEM
00952	SB	2073297		Granted	17-Mar-99	29-Jul-99	00952	SIGNAL COUPLER UNIT
00994	SB	9810563 & 2 337 429		Granted	15-May-98	29-Jul-99	00994	TELECOMMUNICATIONS SYSTEM
01068	JP	58212572000	443122	Granted	9-Nov-99	15-Jan-99	01068	MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
01068	SB	99541528	1 129 557	Granted	9-Nov-99	15-Jan-94	01068	MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
01068	FR	99541528	1 129 557	Granted	9-Nov-99	15-Jan-94	01068	MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
01068	DE	99541528	6918963	Granted	9-Nov-99	15-Jan-94	01068	MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
01068	CA	2,950,711	2,950,711	Granted	9-Nov-99	3-Jul-97	01068	MANAGING INTERNET PROTOCOL CONNECTION ORIENTED SERVICES
01081	CA	2,885,294	2,885,294	Granted	17-Nov-99	19-Jan-99	01081	VOICE OVER INTERNET PROTOCOL NETWORK ARCHITECTURE
01008	JP	4-10022	290620	Granted	29-Jan-92	30-Jul-99	01008	SYSTEM FOR TRANSMITTING AND RECEIVING AURAL INFORMATION AND MODULATED DATA
01008	JP	11-108872	356395	Granted	16-Apr-99	11-Jan-94	01008	SYSTEM FOR TRANSMITTING AND RECEIVING AURAL INFORMATION AND MODULATED DATA
01008	SB	921013104	0 456 427	Inactive	24-Jan-92	9-Jan-92	01008	SYSTEM FOR TRANSMITTING AND RECEIVING AURAL INFORMATION AND MODULATED DATA
01008	FR	921013104	0 456 427	Inactive	24-Jan-92	9-Jan-92	01008	SYSTEM FOR TRANSMITTING AND RECEIVING AURAL INFORMATION AND MODULATED DATA
01008	EP	921013104	0 456 427	Inactive	24-Jan-92	9-Jan-92	01008	SYSTEM FOR TRANSMITTING AND RECEIVING AURAL INFORMATION AND MODULATED DATA
01008	DE	921013104	6923332	Inactive	24-Jan-92	9-Jan-92	01008	SYSTEM FOR TRANSMITTING AND RECEIVING AURAL INFORMATION AND MODULATED DATA
01005	FR	Family member of 98(12)	10-308361	Assigned Round 2				Method of making a capacitor for an integrated circuit
01005	FR	Family member of 98(12)	302784	Assigned Round 2				Method of making a capacitor for an integrated circuit
01004	JP	6-628424	4382816	Granted	14-Feb-96	2-Oct-99	01004	CAPACITOR STRUCTURE FOR AN INTEGRATED CIRCUIT AND METHOD OF FABRICATION THEREOF
01003	EP	9416113	0 705 478	Inactive	18-May-94	23-Sep-99	01003	SPEECH RECOGNITION METHOD USING A TWO PASS SEARCH
01003	CA	2,263,264	2,263,264	Granted	14-Aug-97	28-Jul-96	01003	INTERNET BASED TELEPHONE CALL MANAGER
01007	SE	9830925	0 924 942	Granted	24-Nov-98	18-Apr-97	01007	SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THE INTERNET
01007	SE	9830925	0 924 942	Granted	24-Nov-98	18-Apr-97	01007	SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THE INTERNET
01007	FR	9830925	0 924 942	Granted	24-Nov-98	18-Apr-97	01007	SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THE INTERNET
01007	FI	9830925	0 924 942	Granted	24-Nov-98	18-Apr-97	01007	SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THE INTERNET
01007	DE	9830925	6983792	Granted	24-Nov-98	18-Apr-97	01007	SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THE INTERNET
01007	CA	2,251,459	2,251,459	Granted	23-Oct-98	25-May-94	01007	SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THE INTERNET
010118	CA	2,246,312	2,246,312	Granted	29-Jul-98	20-Jul-94	010118	CALL PICKUP HOLD DISRUPTIVE RINGING SERVICE
010136	CA	2,246,136	2,246,136	Granted	31-Aug-98	11-Jul-96	010136	NETWORK INTERCONNECTED COMPUTING DEVICE, SERVER AND NOTIFICATION METHOD
010137	CA	2,246,192	2,246,192	Granted	31-Aug-98	22-Feb-95	010137	METHOD AND DEVICE FOR BRIDGING DATA TELEPHONE NETWORKS
010139	CA	2,246,139	2,246,139	Granted	31-Aug-98	4-Dec-97	010139	METHOD AND DEVICE FOR PROVIDING NETWORK SERVICES FROM SEVERAL SERVERS
010143	SB	99306045	1 009 343	Granted	28-Jul-99	25-Jul-97	010143	METHOD AND APPARATUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETWORK DOMAINS
010143	FR	99306045	1 009 343	Granted	28-Jul-99	25-Jul-97	010143	METHOD AND APPARATUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETWORK DOMAINS
010143	DE	99306045	6993662	Granted	28-Jul-99	25-Jul-97	010143	METHOD AND APPARATUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETWORK DOMAINS
010143	CA	2,288,564	2,288,564	Granted	9-Apr-99	12-Jul-95	010143	METHOD AND APPARATUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETWORK
010141	NX	981094	22052	Granted	6-Feb-98	24-May-94	010141	LONG DISTANCE SERVICES BUREAU
01050	CA	2,251,154	2,251,154	Granted	19-Oct-98	7-Jan-93	01050	SYSTEM FOR MANAGING AN AUDIO CONFERENCE
01082	SB	93301965	0 942 277	Granted	15-Mar-99	19-Jan-11	01082	METHOD AND SYSTEM FOR ASSIGNING MULTIPLE DIRECTORY NUMBERS (DN) TO A PERSONAL COMMUNICATION SYSTEM (PCS) TELEPHONE
01082	FR	93301965	0 942 277	Granted	15-Mar-99	19-Jan-11	01082	METHOD AND SYSTEM FOR ASSIGNING MULTIPLE DIRECTORY NUMBERS (DN) TO A PERSONAL COMMUNICATION SYSTEM (PCS) TELEPHONE
01082	DE	93301965	0 942 277	Granted	15-Mar-99	19-Jan-11	01082	METHOD AND SYSTEM FOR ASSIGNING MULTIPLE DIRECTORY NUMBERS (DN) TO A PERSONAL COMMUNICATION SYSTEM (PCS) TELEPHONE
01090	EP	3720933	HEMPY	Filed	2-Jun-93	HEMPY	01090	METHOD AND SYSTEM FOR HANDLING MISSED CALLS
01115	SB	99308716	0 989 712	Granted	9-Nov-99	24-Dec-98	01115	MULTI MEDIA CHANNEL MANAGEMENT THROUGH PSTN SIGNALLING
01115	FR	99308716	0 989 712	Granted	9-Nov-99	24-Dec-98	01115	MULTI MEDIA CHANNEL MANAGEMENT THROUGH PSTN SIGNALLING
01115	DE	99308716	0 989 712	Granted	9-Nov-99	24-Dec-98	01115	MULTI MEDIA CHANNEL MANAGEMENT THROUGH PSTN SIGNALLING
01156	SB	9371303	1 208 682	Granted	7-Jun-00	6-Oct-94	01156	METHODS AND SYSTEM FOR CONTROLLING NETWORK GATEKEEPER MESSAGE PROCESSING
01156	FR	9371303	1 208 682	Granted	7-Jun-00	6-Oct-94	01156	METHODS AND SYSTEM FOR CONTROLLING NETWORK GATEKEEPER MESSAGE PROCESSING
01156	EP	4071362	HEMPY	Filed	29-Jul-04	HEMPY	01156	METHODS AND SYSTEM FOR CONTROLLING NETWORK GATEKEEPER MESSAGE PROCESSING
01156	DE	4071362	HEMPY	Inactive	29-Jul-04	HEMPY	01156	METHODS AND SYSTEM FOR CONTROLLING NETWORK GATEKEEPER MESSAGE PROCESSING
01156	CA	9371303	60014677	Granted	7-Jun-00	6-Oct-94	01156	METHODS AND SYSTEM FOR CONTROLLING NETWORK GATEKEEPER MESSAGE PROCESSING
02234	FR	875129	875129	Inactive	2-Sep-87	2-Sep-87	02234	DISPLAY ADD-ON BASE FOR A TELEPHONE SET
02245	FR	876063	876063	Inactive	19-Oct-87	19-Oct-87	02245	TELEPHONE HANDETS
020516	JP	4-115464	303732	Granted	6-Apr-92	21-Jan-90	020516	ROTATING ACCESS ATIM SIM PACKET SWITCH
020516	CA	2,061,850	2,061,850	Inactive	26-Feb-92	2-Jul-94	020516	ROTATING ACCESS ATIM SIM PACKET SWITCH
02020	SB	9121144	0 250 665	Inactive	4-Oct-91	31-Aug-94	02020	IMPROVED CALL SETUP IN A COMMUNICATION SYSTEM WITH DYNAMIC CHANNEL ALLOC.
02042	SG	9270692	3398	Granted	19-Jun-96	19-Jun-96	02042	SPONTANEOUS CALL WAITING IDENTIFICATION
02042	JP	04-21632	29278	Granted	22-Jul-92	22-Oct-93	02042	SPONTANEOUS CALL WAITING IDENTIFICATION
02042	HK	9300522	961818	Granted	8-Sep-96	3-Oct-93	02042	SPONTANEOUS CALL WAITING IDENTIFICATION
02042	SB	9213660	2259113	Inactive	19-Jun-92	4-Mar-95	02042	SPONTANEOUS CALL WAITING IDENTIFICATION
02087	JP	05-50602	3291350	Granted	25-Mar-92	22-Mar-92	02087	METHOD AND APPARATUS FOR TESTING DIGITAL SYSTEMS
020743	EP	99304463	0 578 374	Inactive	8-Jun-99	2-Dec-98	020743	METHOD AND APPARATUS FOR PROVIDING A PERSONAL LOCATOR, ACCESS CONTROL AND ASSET TRACKING SERVICE USING AN IN-BUILDING TELENETWORK
020745	SB	99205461	0 587 575	Inactive	9-Apr-99	26-May-99	020745	TELEPHONE LINE INTERFACE CIRCUIT WITH VOLTAGE SWITCHING
020745	FR	99205461	0 587 575	Inactive	9-Apr-99	26-May-99	020745	TELEPHONE LINE INTERFACE CIRCUIT WITH VOLTAGE SWITCHING
020745	EP	99205461	0 587 575	Inactive	9-Apr-99	26-May-99	020745	TELEPHONE LINE INTERFACE CIRCUIT WITH VOLTAGE SWITCHING
020745	DE	99205461	6922968	Inactive	9-Apr-99	26-May-99	020745	TELEPHONE LINE INTERFACE CIRCUIT WITH VOLTAGE SWITCHING
020745	CA	2,105,376	2,105,376	Inactive	9-Apr-99	19-Feb-97	020745	TELEPHONE LINE INTERFACE CIRCUIT WITH VOLTAGE SWITCHING
020770	EP	9411797	0 641 136	Inactive	2-Nov-94	12-Sep-92	020770	LOW POWER WIRELESS SYSTEM FOR TELEPHONE SERVICES
020772	JP	6-76464	342603	Granted	22-Mar-94	9-May-93	020772	INTEGRATED CIRCUIT PACKAGING
020863	SB	9425752	0 285 697	Granted	29-Dec-94	18-Nov-98	020863	SCREEN BASED TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONE SERVICE
020863	FR	9811629	0 202 766	Granted	29-Mar-98	18-Nov-98	020863	SCREEN BASED TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONE SERVICE
020863	SB	9811629	0 202 519	Granted	29-Mar-98	18-Nov-98	020863	SCREEN BASED TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONE SERVICE
020863	CA	2,138,069	2,138,069	Granted	14-Dec-94	27-Nov-93	020863	SCREEN BASED TELEPHONE SET FOR INTERACTIVE ENHANCED TELEPHONE SERVICE AND METHOD OF OPERATING SAME BY MICROPROCESSOR CONTROL
020917	SB	9641533	0 885 416	Granted	19-Dec-96	15-Sep-99	020917	ENCODING TECHNIQUE FOR SOFTWARE AND HARDWARE
020917	FR	9641533	0 885 416	Granted	19-Dec-96	15-Sep-99	020917	ENCODING TECHNIQUE FOR SOFTWARE AND HARDWARE
020917	DE	9641533	69604307	Granted	19-Dec-96	15-Sep-99	020917	ENCODING TECHNIQUE FOR SOFTWARE AND HARDWARE
020917	CA	2,243,469	2,243,469	Granted	19-Dec-96	31-Oct-96	020917	ENCODING TECHNIQUE FOR SOFTWARE AND HARDWARE
020953	CA	2,172,205	2,172,205	Granted	28-Mar-98	30-Jul-92	020953	METHOD OF TRACING THE ROUTE OF VIRTUAL CONNECTIONS
020954	JP	9-515502	3145842	Granted	9-Nov-99	26-Oct-91	020954	A METHOD OF COMMUNICATING INFORMATION AND TERMINAL
020954	SB	95398395	0 733 557	Granted	9-Nov-99	21-Jan-94	020954	COMMUNICATIONS IN A DISTRIBUTION NETWORK
020954	FR	95398395	0 733 557	Granted	9-Nov-99	21-Jan-94	020954	COMMUNICATIONS IN A DISTRIBUTION NETWORK
020954	DE	95398395	695 32467.5	Granted	9-Nov-99	21-Jan-94	020954	COMMUNICATIONS IN A DISTRIBUTION NETWORK
020954	CA	2,180,013	2,180,013	Granted	9-Nov-99	29-May-96	020954	COMMUNICATIONS IN A DISTRIBUTION NETWORK
020971	SB	96000702	0 852 891	Granted	10-Jan-96	4-Jul-91	020971	MOUNTING ARRANGEMENT FOR A NOISE CANCELLING MICROPHONE
020971	FR	96000702	0 852 891	Granted	10-Jan-96	4-Jul-91	020971	MOUNTING ARRANGEMENT FOR A NOISE CANCELLING MICROPHONE
020971	DE	96000702	695 13 706.2	Granted	10-Jan-96	4-Jul-91	020971	MOUNTING ARRANGEMENT FOR A NOISE CANCELLING MICROPHONE
020903	SB	96921848	0 845 196	Granted	10-Jul-96	2-Jul-93	020903	AN IMPROVED ACCESS TO TELECOMMUNICATIONS NETWORKS IN MULTISERVICE ENVIRONMENT
020903	FR	96921848	0 845 196	Granted	10-Jul-96	2-Jul-93	020903	AN IMPROVED ACCESS TO TELECOMMUNICATIONS NETWORKS IN MULTISERVICE ENVIRONMENT
020903	DE	96921848	6968929.3	Granted	10-Jul-96	2-Jul-93	020903	AN IMPROVED ACCESS TO TELECOMMUNICATIONS NETWORKS IN MULTISERVICE ENVIRONMENT
020903	CA	2,227,474	2,227,474	Granted	10-Jul-96	21-May-92	020903	AN IMPROVED ACCESS TO TELECOMMUNICATIONS NETWORKS IN MULTISERVICE ENVIRONMENT
020901	FR	96-1805	961805	Granted	25-Mar-96	31-Oct-96	020901	TELEPHONE NETWORK SET
020942	SB	9398993	0 641 792	Granted	9-Nov-97	12-May-94	020942	INTERACTIVE SUBSCRIBER TELEPHONE TERMINAL WITH AUTOMATIC MANAGEMENT SOFTWARE DOWNLOAD FEATURE

R03842	FR	97387935.0	641.792	granted	24-Nov-07	12-May-04	R03842	INTERACTIVE SUBSCRIBER TELEPHONE TERMINAL WITH AUTOMATIC MANAGEMENT SOFTWARE DOWNLOADED FEATURE
R03842	DE	97387935.0	6972947.6	granted	24-Nov-07	12-May-04	R03842	INTERACTIVE SUBSCRIBER TELEPHONE TERMINAL WITH AUTOMATIC MANAGEMENT SOFTWARE DOWNLOADED FEATURE
R03848	GB	96923406.6	0.697.393	granted	9-Oct-06	13-Mar-00	R03848	HIGH CAPACITY ATM SWITCH
R03848	FR	96923406.6	0.697.393	granted	9-Oct-06	13-Mar-00	R03848	HIGH CAPACITY ATM SWITCH
R03848	DE	96923406.6	69619843.6	granted	9-Oct-06	13-Mar-00	R03848	HIGH CAPACITY ATM SWITCH
R03848	CA	2.233.629	2.233.629	granted	9-Oct-06	5-Mar-00	R03848	HIGH CAPACITY ATM SWITCH
R03898	GB	9700071.2	2.309.964	granted	17-Jan-07	16-Jan-00	R03898	FACILITATING SECURE COMMUNICATIONS IN A DISTRIBUTION NETWORK
R03898	CA	2.192.634	2.192.634	granted	17-Jan-07	30-May-00	R03898	FACILITATING SECURE COMMUNICATIONS IN A DISTRIBUTION NETWORK
R03910	GB	97924834.0	0.934.749	granted	11-Jul-07	3-Mar-04	R03910	METHOD AND APPARATUS FOR REASSEMBLY OF DATA PACKETS INTO MESSAGES IN AN ASYNCHRONOUS TRANSFER MODE COMMUNICATIONS SYSTEM
R03910	FR	97924834.0	0.934.749	granted	11-Jul-07	3-Mar-04	R03910	METHOD AND APPARATUS FOR REASSEMBLY OF DATA PACKETS INTO MESSAGES IN AN ASYNCHRONOUS TRANSFER MODE COMMUNICATIONS SYSTEM
R03910	DE	97924834.0	69727936.7	granted	11-Jul-07	3-Mar-04	R03910	METHOD AND APPARATUS FOR REASSEMBLY OF DATA PACKETS INTO MESSAGES IN AN ASYNCHRONOUS TRANSFER MODE COMMUNICATIONS SYSTEM
R03915	GB	97310458.0	0.855.927	granted	22-Dec-07	3-Feb-05	R03915	METHOD OF PROVIDING CONFERENCE IN TELEPHONY
R03915	FR	97310458.0	0.855.927	granted	22-Dec-07	3-Feb-05	R03915	METHOD OF PROVIDING CONFERENCE IN TELEPHONY
R03915	DE	97310458.0	69733075.3	granted	22-Dec-07	3-Feb-05	R03915	METHOD OF PROVIDING CONFERENCE IN TELEPHONY
R03915	CA	2.224.541	2.224.541	granted	9-Dec-07	17-Jan-08	R03915	METHOD OF PROVIDING CONFERENCE IN TELEPHONY
R03984	JP	104518746	3177253	granted	9-Oct-07	6-Apr-07	R03984	PROXIMITY AND AMBIENT LIGHT MONITOR
R03984	GB	97543705	0.886.920	granted	9-Oct-07	13-Mar-02	R03984	PROXIMITY AND AMBIENT LIGHT MONITOR
R03984	FR	97543705	0.886.920	granted	9-Oct-07	13-Mar-02	R03984	PROXIMITY AND AMBIENT LIGHT MONITOR
R03971	GB	97546978	0.954.943	granted	3-Dec-07	17-Aug-05	R03971	DYNAMIC TRAFFIC CONDITIONING
R03971	FR	97546978	0.954.943	granted	3-Dec-07	17-Aug-05	R03971	DYNAMIC TRAFFIC CONDITIONING
R03971	DE	97546978	69734013.8	granted	3-Dec-07	17-Aug-05	R03971	DYNAMIC TRAFFIC CONDITIONING
R03981	JP	104518704	HEMPY	Inactive	23-Apr-07		R03981	METHODS OF AND APPARATUS FOR PROVIDING TELEPHONE CALL CONTROL AND INFORMATION
R03988	CA	2.254.407	2.254.407	granted	17-Nov-06	18-May-04	R03988	METHOD AND APPARATUS FOR A FLEXIBLE ACCESS RATE COMMON MEMORY PACKET SWITCH
R03998	GB	97455862	0.947.065	granted	25-Nov-07	15-Sep-04	R03998	UNIVERSAL COMPATIBILITY SOFTWARE SYSTEM FOR SERVICES IN COMMUNICATIONS AND INFORMATION PROCESSING NETWORKS
R03998	FR	97455862	0.947.065	granted	25-Nov-07	15-Sep-04	R03998	UNIVERSAL COMPATIBILITY SOFTWARE SYSTEM FOR SERVICES IN COMMUNICATIONS AND INFORMATION PROCESSING NETWORKS
R03998	DE	97455862	69739756.2	granted	25-Nov-07	15-Sep-04	R03998	UNIVERSAL COMPATIBILITY SOFTWARE SYSTEM FOR SERVICES IN COMMUNICATIONS AND INFORMATION PROCESSING NETWORKS
R03998	CA	2.275.132	2.275.132	granted	25-Nov-07	25-Jan-05	R03998	UNIVERSAL COMPATIBILITY SOFTWARE SYSTEM FOR SERVICES IN COMMUNICATIONS AND INFORMATION PROCESSING NETWORKS
R03467	CA	2.243.078	2.243.078	granted	25-Sep-06	16-Mar-04	R03467	APPARATUS AND METHOD FOR COMMUNICATING BOTH DELAY-SENSITIVE DATA SPORADIC DATA
R03468	GB	98306200.0	0.930.234	granted	13-Oct-06	28-Sep-05	R03468	A TELEPHONY SYSTEM AND METHOD OF SIGNALLING
R03468	FR	98306200.0	0.930.234	granted	13-Oct-06	28-Sep-05	R03468	A TELEPHONY SYSTEM AND METHOD OF SIGNALLING
R03468	DE	98306200.0	69831712.3	granted	13-Oct-06	28-Sep-05	R03468	A TELEPHONY SYSTEM AND METHOD OF SIGNALLING
R03930	GB	98009736.3	0.968.996	granted	25-Feb-06	23-Nov-05	R03930	NETWORK ACCESS IN MULTI-SERVICE ENVIRONMENT
R03930	FR	98009736.3	0.968.996	granted	25-Feb-06	23-Nov-05	R03930	NETWORK ACCESS IN MULTI-SERVICE ENVIRONMENT
R03930	DE	98009736.3	69832474.0	granted	25-Feb-06	23-Nov-05	R03930	NETWORK ACCESS IN MULTI-SERVICE ENVIRONMENT
R03930	CA	2.281.543	2.281.543	granted	25-Feb-06	10-Oct-06	R03930	NETWORK ACCESS IN MULTI-SERVICE ENVIRONMENT
R03926	JP	10357329	4142185	granted	16-Dec-06	20-Jun-08	R03926	METHOD FOR ADDING CONTEXT TO COMMUNICATIONS
R03926	GB	98310270.8	0.934.917	granted	15-Dec-06	17-Jan-07	R03926	METHOD FOR ADDING CONTEXT TO COMMUNICATIONS
R03926	FR	98310270.8	0.934.917	granted	15-Dec-06	17-Jan-07	R03926	METHOD FOR ADDING CONTEXT TO COMMUNICATIONS
R03926	DE	98310270.8	0.934.917	granted	15-Dec-06	17-Jan-07	R03926	METHOD FOR ADDING CONTEXT TO COMMUNICATIONS
R03926	CA	2.256.221	2.256.221	granted	16-Dec-06	11-May-04	R03926	METHOD FOR ADDING CONTEXT TO COMMUNICATIONS
R03961	CA	2.222.259	2.222.259	granted	25-Nov-07	3-Feb-04	R03961	HTTP DISTRIBUTED REMOTE USER AUTHENTICATION SYSTEM
R03974	CA	2.245.820	2.245.820	granted	27-Aug-06	30-Jul-00	R03974	DISTORTION PENALTY MEASUREMENT PROCEDURE IN OPTICAL SYSTEMS/USING NOISE LOADING
R03978	GB	98007786.2	0.986.996	granted	11-Mar-06	9-Jul-00	R03978	DYNAMIC SELECTION OF MEDIA STREAMS FOR DISPLAY
R03978	FR	98007786.2	0.986.996	granted	11-Mar-06	9-Jul-00	R03978	DYNAMIC SELECTION OF MEDIA STREAMS FOR DISPLAY
R03978	DE	98007786.2	69810294.3	granted	11-Mar-06	9-Jul-00	R03978	DYNAMIC SELECTION OF MEDIA STREAMS FOR DISPLAY
R03978	CA	2.285.504	2.285.504	granted	11-Mar-06	10-May-02	R03978	DYNAMIC SELECTION OF MEDIA STREAMS FOR DISPLAY
R03983	CA	2.243.094	2.243.094	granted	10-Jul-06	4-Jun-05	R03983	ROUTE SELECTION FOR PATH-BALANCING IN CONNECTION-ORIENTED PACKET SWITCHING NETWORKS
R03916	SE	98310272.4	0.938.213	granted	15-Dec-06	5-Apr-06	R03916	SYSTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTS USING MULTIPLE MEDIA OPTIONS
R03916	JP	10355531	HEMPY	Filed	15-Dec-06	HEMPY	R03916	SYSTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTS USING MULTIPLE MEDIA OPTIONS
R03916	JP	2009-211795	4976742	granted	14-Sep-09	29-Apr-12	R03916	SYSTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTS USING MULTIPLE MEDIA OPTIONS
R03916	GB	98310272.4	0.938.213	granted	15-Dec-06	5-Apr-06	R03916	SYSTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTS USING MULTIPLE MEDIA OPTIONS
R03916	FR	98310272.4	0.938.213	granted	15-Dec-06	5-Apr-06	R03916	SYSTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTS USING MULTIPLE MEDIA OPTIONS
R03916	DE	98310272.4	0.938.213	granted	15-Dec-06	5-Apr-06	R03916	SYSTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTS USING MULTIPLE MEDIA OPTIONS
R03916	CA	2.258.283	2.258.283	granted	17-Dec-06	7-Nov-06	R03916	SYSTEM AND METHOD FOR MANAGING INCOMING COMMUNICATION EVENTS USING MULTIPLE MEDIA OPTIONS
R03920	GB	41049397	0.434.392	granted	8-Oct-04	21-Mar-12	R03920	SYSTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON
R03920	FR	99306993.9	0.989.700	granted	23-Aug-09	29-Mar-06	R03920	NETWORK PRESENCE INDICATOR FOR COMMUNICATIONS MANAGEMENT
R03920	FR	41049397	0.434.392	granted	8-Oct-04	21-Mar-12	R03920	SYSTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON
R03920	FR	99306993.9	0.989.700	granted	23-Aug-09	29-Mar-06	R03920	NETWORK PRESENCE INDICATOR FOR COMMUNICATIONS MANAGEMENT
R03920	EP	41049397	0.434.392	Inactive	8-Oct-04	21-Mar-12	R03920	SYSTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON
R03920	DE	41049397	0.434.392	granted	8-Oct-04	21-Mar-12	R03920	SYSTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON
R03920	CA	99306993.9	69930593.4	granted	23-Aug-09	29-Mar-06	R03920	NETWORK PRESENCE INDICATOR FOR COMMUNICATIONS MANAGEMENT
R03920	CA	2.280.573	2.280.573	granted	20-Aug-09	25-May-10	R03920	SYSTEM AND METHOD FOR COMMUNICATIONS MANAGEMENT WITH A NETWORK PRESENCE ICON
R03925	GB	98301655	0.936.922	granted	23-Dec-06	23-Nov-11	R03925	A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION
R03925	FR	98301655	0.936.922	granted	23-Dec-06	23-Nov-11	R03925	A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION
R03925	EP	98301655	0.936.922	Inactive	23-Dec-06	23-Nov-11	R03925	A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION
R03925	DE	98301655	0.936.922	granted	23-Dec-06	23-Nov-11	R03925	A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED COMPUTATION
R03925	CA	2.256.937	2.256.937	granted	23-Dec-06	20-Mar-12	R03925	A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE BASED ROUTE COMPUTATION
R03948	EP	10192529	HEMPY	Filed	12-Nov-08	HEMPY	R03948	MULTIMEDIA CALL SIGNALING SYSTEM AND METHOD
R03948	EP	99309244	HEMPY	Filed	12-Nov-08	HEMPY	R03948	MULTIMEDIA CALL SIGNALING SYSTEM AND METHOD
R03948	CA	2.250.275	2.250.275	granted	13-Oct-08	11-Jul-06	R03948	MULTIMEDIA CALL SIGNALING SYSTEM AND METHOD
R03987	GB	98310117.1	0.938.922	granted	10-Dec-06	26-Feb-03	R03987	METHOD AND APPARATUS FOR MANAGEMENT OF BANDWIDTH IN A DATA COMMUNICATION NETWORK
R03987	FR	98310117.1	0.938.922	granted	10-Dec-06	26-Feb-03	R03987	METHOD AND APPARATUS FOR MANAGEMENT OF BANDWIDTH IN A DATA COMMUNICATION NETWORK
R03987	DE	98310117.1	69916224.4	granted	10-Dec-06	26-Feb-03	R03987	METHOD AND APPARATUS FOR MANAGEMENT OF BANDWIDTH IN A DATA COMMUNICATION NETWORK
R03987	CA	2.255.385	2.255.385	granted	4-Dec-06	3-May-05	R03987	SYSTEM AND METHOD FOR COMMUNICATION SESSION DISPOSITION RESPONSIVE TO EVENTS IN A TELECOMMUNICATIONS NETWORK AND THE INTERNET METHOD AND APPARATUS FOR MANAGEMENT OF BANDWIDTH IN A DATA COMMUNICATION NETWORK
R03988	GB	98309200.0	0.933.222	granted	24-Nov-08	24-Apr-08	R03988	FACSIMILE SIGNAL TRANSMISSION WITH SUPPRESSION OF MULTIPLE MODULATION AND DECONVOLUTION ACROSS A CONNECTION
R03988	FR	98309200.0	0.933.222	granted	24-Nov-08	24-Apr-08	R03988	FACSIMILE SIGNAL TRANSMISSION WITH SUPPRESSION OF MULTIPLE MODULATION AND DECONVOLUTION ACROSS A CONNECTION
R03988	DE	69839324.4-06	0.933.222	granted	24-Nov-08	24-Apr-08	R03988	FACSIMILE SIGNAL TRANSMISSION WITH SUPPRESSION OF MULTIPLE MODULATION AND DECONVOLUTION ACROSS A CONNECTION
R03988	CA	2.254.774	2.254.774	granted	19-Nov-08	20-May-05	R03988	FACSIMILE SIGNAL TRANSMISSION WITH SUPPRESSION OF MULTIPLE MODULATION AND DECONVOLUTION ACROSS A CONNECTION
R03713	GB	99302713.5	0.949.938	granted	7-Apr-09	16-Jun-04	R03713	ARCHITECTURE REPARTITIONING TO SIMPLIFY OUTSIDE PLANT COMPONENT OF FIBER BASED SYSTEM
R03713	FR	99302713.5	0.949.938	granted	7-Apr-09	16-Jun-04	R03713	ARCHITECTURE REPARTITIONING TO SIMPLIFY OUTSIDE PLANT COMPONENT OF FIBER BASED SYSTEM
R03713	FR	99302713.5	0.949.938	granted	7-Apr-09	16-Jun-04	R03713	ARCHITECTURE REPARTITIONING TO SIMPLIFY OUTSIDE PLANT COMPONENT OF FIBER BASED SYSTEM
R03713	DE	99302713.5	69917975	granted	7-Apr-09	16-Jun-04	R03713	ARCHITECTURE REPARTITIONING TO SIMPLIFY OUTSIDE PLANT COMPONENT OF FIBER BASED SYSTEM
R03714	GB	99341102.0	0.961.522	granted	27-Aug-09	29-Nov-06	R03714	NOVEL METHOD AND APPARATUS FOR TRAFFIC SHAPING IN A BROADBAND FIBER-BASED ACCESS SYSTEM
R03714	FR	99341102.0	0.961.522	granted	27-Aug-09	29-Nov-06	R03714	NOVEL METHOD AND APPARATUS FOR TRAFFIC SHAPING IN A BROADBAND FIBER-BASED ACCESS SYSTEM
R03714	DE	99341102.0	69934165.3	granted	27-Aug-09	29-Nov-06	R03714	NOVEL METHOD AND APPARATUS FOR TRAFFIC SHAPING IN A BROADBAND FIBER-BASED ACCESS SYSTEM
R03714	CA	2.272.278	2.272.278	granted	20-Aug-09	6-Dec-06	R03714	NOVEL METHOD AND APPARATUS FOR TRAFFIC SHAPING IN A BROADBAND FIBER-BASED ACCESS SYSTEM
R03744	CA	2.243.309	2.243.309	granted	15-Jul-06	23-Jan-07	R03744	SET MEDIATION FOR DATA NETWORK CALL SETUP AND SERVICES INTERWORKING
R03784	EP	98310566.3	HEMPY	Filed	18-Dec-08	HEMPY	R03784	VIDEO CONFERENCE SYSTEM
R03784	CA	2.256.787	2.256.787	granted	21-Dec-08	11-Nov-09	R03784	COLLABORATIVE SHARED SPACE

K03797	SB	991351.31	180,236	Granted	3-May-00	13-Dec-99	K03797	TELEPHONY AND DATA NETWORK SERVICES AT A TELEPHONE
K03797	FR	991351.31	180,236	Granted	3-May-00	13-Dec-99	K03797	TELEPHONY AND DATA NETWORK SERVICES AT A TELEPHONE
K03797	DE	991351.31	600,236	Granted	3-May-00	13-Dec-99	K03797	TELEPHONY AND DATA NETWORK SERVICES AT A TELEPHONE
K03797	CA	2,273,657	2,273,657	Granted	7-Jul-99	21-Sep-99	K03797	TELEPHONY AND DATA NETWORK SERVICES AT A TELEPHONE
K03854	SB	99306382.3	0,998,109	Granted	25-Oct-99	21-Jul-99	K03854	COMMUNICATION NETWORK UTILIZING AUTONOMOUS SERVERS TO ESTABLISH COMMUNICATION SESSIONS
K03854	FR	99306382.3	0,998,109	Granted	25-Oct-99	21-Jul-99	K03854	COMMUNICATION NETWORK UTILIZING AUTONOMOUS SERVERS TO ESTABLISH COMMUNICATION SESSIONS
K03854	DE	99306382.3	6993015.1	Granted	25-Oct-99	21-Jul-99	K03854	COMMUNICATION NETWORK UTILIZING AUTONOMOUS SERVERS TO ESTABLISH COMMUNICATION SESSIONS
K03854	CA	2,284,431	2,284,431	Granted	1-Oct-99	16-Jul-99	K03854	A COMMUNICATION NETWORK UTILIZING AUTONOMOUS SERVERS TO ESTABLISH A COMMUNICATION SESSIONS
K03847	SB	99302716.8	0,366,123	Granted	7-Apr-99	3-Jul-99	K03847	ROTATOR SWITCH DATA PATH STRUCTURES
K03847	FR	99302716.8	0,366,123	Granted	7-Apr-99	3-Jul-99	K03847	ROTATOR SWITCH DATA PATH STRUCTURES
K03847	DE	99302716.8	6991,855.2	Granted	7-Apr-99	3-Jul-99	K03847	ROTATOR SWITCH DATA PATH STRUCTURES
K03847	CA	2,288,361	2,288,361	Granted	8-Apr-99	15-Jul-99	K03847	ROTATOR SWITCH DATA PATH STRUCTURES
K0009	SB	99399726	1,018,823	Granted	3-Dec-99	8-Oct-99	K0009	APPARATUS AND METHOD FOR PACKET SWITCHING WITH SUPERTRUNKING
K0009	FR	99399726	1,018,823	Granted	3-Dec-99	8-Oct-99	K0009	APPARATUS AND METHOD FOR PACKET SWITCHING WITH SUPERTRUNKING
K0009	DE	99399726	1,018,823	Granted	3-Dec-99	8-Oct-99	K0009	APPARATUS AND METHOD FOR PACKET SWITCHING WITH SUPERTRUNKING
K0010	SB	99306387.1	0,986,190	Granted	7-Sep-99	22-Nov-99	K0010	ECHO CONTROLLER WITH COMPENSATION FOR VARIABLE DELAY NETWORKS
K0010	FR	99306387.1	0,986,190	Granted	7-Sep-99	22-Nov-99	K0010	ECHO CONTROLLER WITH COMPENSATION FOR VARIABLE DELAY NETWORKS
K0010	DE	99306387.1	6993406.7	Granted	7-Sep-99	22-Nov-99	K0010	ECHO CONTROLLER WITH COMPENSATION FOR VARIABLE DELAY NETWORKS
K0010	CA	2,283,065	2,283,065	Granted	5-Sep-99	5-Jul-99	K0010	ECHO CONTROLLER WITH COMPENSATION FOR VARIABLE DELAY NETWORKS
K0016	SB	99300447.3	0,955,728	Granted	30-Apr-99	28-Jul-99	K0016	METHOD AND APPARATUS FOR PERFORMING DATA PULSE DETECTION
K0016	FR	99300447.3	0,955,728	Granted	30-Apr-99	28-Jul-99	K0016	METHOD AND APPARATUS FOR PERFORMING DATA PULSE DETECTION
K0016	DE	99300447.3	6993211.8	Granted	30-Apr-99	28-Jul-99	K0016	METHOD AND APPARATUS FOR PERFORMING DATA PULSE DETECTION
K0120	SB	99309782.3	1,009,134	Granted	6-Dec-99	13-Feb-13	K0120	HYBRID TDM AND ATM VOICE SWITCHING CENTRAL OFFICE AND METHOD OF COMPLETING INTER-OFFICE CALLS USING SAME
K0120	FR	99309782.3	1,009,134	Granted	6-Dec-99	13-Feb-13	K0120	HYBRID TDM AND ATM VOICE SWITCHING CENTRAL OFFICE AND METHOD OF COMPLETING INTER-OFFICE CALLS USING SAME
K0120	EP	99309782.3	1,009,134	Inactive	6-Dec-99	13-Feb-13	K0120	HYBRID TDM AND ATM VOICE SWITCHING CENTRAL OFFICE AND METHOD OF COMPLETING INTER-OFFICE CALLS USING SAME
K0120	DE	69344547.1	1,009,134	Granted	6-Dec-99	13-Feb-13	K0120	HYBRID TDM AND ATM VOICE SWITCHING CENTRAL OFFICE AND METHOD OF COMPLETING INTER-OFFICE CALLS USING SAME
K0120	CA	2,288,356	2,288,356	Granted	16-Nov-99	3-Feb-00	K0120	HYBRID TDM AND ATM VOICE SWITCHING CENTRAL OFFICE AND METHOD OF COMPLETING INTER-OFFICE CALLS USING SAME
K0128	EP	99373138.3	HEMPHY	Filed	26-Nov-99	HEMPHY	K0128	METHOD AND SYSTEM FOR WEBSITE OVERVIEW
K0128	EP	11166958.4	HEMPHY	Filed	26-Nov-99	HEMPHY	K0128	METHOD AND SYSTEM FOR WEBSITE OVERVIEW
K0128	CA	2,346,156	2,346,156	Granted	26-Nov-99	11-May-12	K0128	METHOD AND SYSTEM FOR WEBSITE OVERVIEW
K0206	CA	2,245,824	2,245,824	Granted	8-Oct-98	6-Feb-07	K0206	SERVICE SELECTABLE NETWORK
K0206	AU	6073179	79988	Granted	8-Oct-99	21-Aug-03	K0206	SERVICE CAPABLE NETWORK
K0428	SB	9910385.2	1,017,206	Granted	21-Dec-99	16-Aug-06	K0428	SCHEME FOR IP NETWORKING IN THE HOME
K0428	FR	9910385.2	1,017,206	Granted	21-Dec-99	16-Aug-06	K0428	SCHEME FOR IP NETWORKING IN THE HOME
K0428	DE	9910385.2	1,017,206	Granted	21-Dec-99	16-Aug-06	K0428	SCHEME FOR IP NETWORKING IN THE HOME
K0428	CA	2,292,025	2,292,025	Granted	18-Dec-99	7-May-12	K0428	METHOD AND APPARATUS FOR CONNECTING A HOME NETWORK TO THE INTERNET
K0424	SB	99306919.4	1,006,673	Granted	2-Dec-99	26-Oct-99	K0424	LOAD COIL DEVICE
K0424	FR	99306919.4	1,006,673	Granted	2-Dec-99	26-Oct-99	K0424	LOAD COIL DEVICE
K0424	DE	99306919.4	1,006,673	Granted	2-Dec-99	26-Oct-99	K0424	LOAD COIL DEVICE
K0269	CA	2,280,574	2,280,574	Granted	28-Aug-99	6-May-08	K0269	NETWORK PRESENCE INDICATOR FOR COMMUNICATIONS MANAGEMENT
K0316	CA	2,221,802	2,221,802	Granted	7-Dec-99	5-Aug-08	K0316	EXPLICIT RATE COMPUTATION FOR FLOW CONTROL IN COMPUTER NETWORKS
K0339	JP	11-31,2249	446939	Granted	2-Nov-99	5-Mar-12	K0339	EXTENDED TRUNK SWITCHING ACROSS MULTIPLE SWITCHES WITH ATM LINKS
K0339	CA	2,288,356	2,288,356	Granted	2-Nov-99	7-Jul-09	K0339	EXTENDED TRUNK SWITCHING ACROSS MULTIPLE SWITCHES WITH ATM LINKS
K0339	SB	99102745.1	1,014,753	Granted	21-Dec-99	2-Apr-08	K0339	METHOD OF VIRTUAL CIRCUIT RECONNECTION WITHOUT LOSS OF CALL SESSION
K0339	FR	99102745.1	1,014,753	Granted	21-Dec-99	2-Apr-08	K0339	METHOD OF VIRTUAL CIRCUIT RECONNECTION WITHOUT LOSS OF CALL SESSION
K0339	DE	99102745.1	6993848.6	Granted	21-Dec-99	2-Apr-08	K0339	METHOD OF VIRTUAL CIRCUIT RECONNECTION WITHOUT LOSS OF CALL SESSION
K0339	CA	2,232,260	2,232,260	Granted	14-Dec-99	11-Sep-07	K0339	METHOD OF VIRTUAL CIRCUIT RECONNECTION WITHOUT LOSS OF CALL SESSION
K0496	JP	11-28521	441330	Granted	6-Oct-99	27-Nov-00	K0496	SYSTEM AND METHOD FOR ESTABLISHING DYNAMIC HIGH USAGE TRUNK GROUPS
K0525	SB	306178.2	1,094,635	Granted	18-Oct-00	5-Aug-09	K0525	METHOD AND APPARATUS FOR SELECTING NETWORK ENTITIES
K0525	FR	306178.2	1,094,635	Granted	18-Oct-00	5-Aug-09	K0525	METHOD AND APPARATUS FOR SELECTING NETWORK ENTITIES
K0525	DE	306178.2	6004267.3	Granted	18-Oct-00	5-Aug-09	K0525	METHOD AND APPARATUS FOR SELECTING NETWORK ENTITIES
K0525	CA	2,322,720	2,322,720	Granted	18-Oct-00	30-Jun-09	K0525	METHOD AND APPARATUS FOR SELECTING NETWORK ENTITIES
RL114	JP	9-513828	3843804	Granted	28-Aug-96	8-Sep-06	RL114	METHODS AND APPARATUS FOR ORIGINATING VOICE CALLS
RL114	SB	9697484.4	0,952,872	Granted	28-Aug-96	31-Oct-01	RL114	METHOD AND APPARATUS FOR ORIGINATING VOICE CALLS
RL114	FR	9697484.4	0,952,872	Granted	28-Aug-96	31-Oct-01	RL114	METHOD AND APPARATUS FOR ORIGINATING VOICE CALLS
RL114	DE	9697484.4	69616578.7	Granted	28-Aug-96	31-Oct-01	RL114	METHOD AND APPARATUS FOR ORIGINATING VOICE CALLS
RL114	CA	2,228,661	2,228,661	Granted	28-Aug-96	26-Oct-00	RL114	METHODS AND APPARATUS FOR ORIGINATING VOICE CALLS
RL114	AU	19967295	694682	Granted	28-Aug-96	27-Jul-00	RL114	METHODS AND APPARATUS FOR ORIGINATING VOICE CALLS
RL114	JU	6729576	694682	Granted	28-Aug-96	27-Jul-00	RL114	METHODS AND APPARATUS FOR ORIGINATING VOICE CALLS
RL116	JP	9-513832	399277	Granted	26-Sep-96	18-Aug-00	RL116	METHODS AND APPARATUS FOR PROVIDING COMMUNICATIONS TO TELECOMMUNICATIONS TERMINALS
RL116	SB	9699393	0,952,884	Granted	26-Sep-96	13-Dec-01	RL116	METHODS AND APPARATUS FOR PROVIDING COMMUNICATIONS TO TELECOMMUNICATIONS TERMINALS
RL116	FR	9699393	0,952,884	Granted	26-Sep-96	13-Dec-01	RL116	METHODS AND APPARATUS FOR PROVIDING COMMUNICATIONS TO TELECOMMUNICATIONS TERMINALS
RL116	DE	9699393	69618,216.5	Granted	26-Sep-96	13-Dec-01	RL116	METHODS AND APPARATUS FOR PROVIDING COMMUNICATIONS TO TELECOMMUNICATIONS TERMINALS
RL116	CA	2,228,682	2,228,682	Granted	26-Sep-96	16-May-00	RL116	METHODS AND APPARATUS FOR ORIGINATING VOICE CALLS
RL146	SB	239511	HEMPHY	Filed	12-Dec-97	24-Oct-01	RL146	VIRTUAL PRIVATE NETWORK SERVICE PROVIDER FOR ASYNCHRONOUS TRANSFER MODE NETWORK
RL146	EP	9746002.0	HEMPHY	Filed	12-Dec-97	HEMPHY	RL146	VIRTUAL PRIVATE NETWORK SERVICE PROVIDER FOR ASYNCHRONOUS TRANSFER MODE NETWORK
RL226	NX	865685	HEMPHY	Filed	15-Jul-98	HEMPHY	RL226	SYSTEM AND METHOD OF OPERATION FOR CORRECTLY ROUTING LOCATION UPDATE SERVICE MESSAGES IN A CELLULAR DIGITAL PACKET DATA SYSTEM
RL239	SB	997399.9	2,332,338	Granted	11-Dec-98	19-Jun-02	RL239	MARKING AND SCREENING TELEPHONE CALLS
RL239	FR	9815695	9815695	Granted	11-Dec-98	13-Oct-00	RL239	MARKING AND SCREENING TELEPHONE CALLS
RL239	DE	19957000.1	HEMPHY	Filed	18-Dec-98	HEMPHY	RL239	MARKING AND SCREENING TELEPHONE CALLS
RL239	CA	2,255,344	2,255,344	Granted	8-Dec-98	21-Oct-98	RL239	MARKING AND SCREENING TELEPHONE CALLS
RL244	SB	300723.4	1,024,430	Granted	31-Jan-00	15-Sep-04	RL244	FAULT-TOLERANT JAVA VIRTUAL MACHINE
RL244	FR	300723.4	1,024,430	Granted	31-Jan-00	15-Sep-04	RL244	FAULT-TOLERANT JAVA VIRTUAL MACHINE
RL244	DE	300723.4	60016692.2	Granted	31-Jan-00	15-Sep-04	RL244	FAULT-TOLERANT JAVA VIRTUAL MACHINE
RL244	CA	2,284,654	2,284,654	Granted	7-Jan-00	4-Nov-03	RL244	FAULT-TOLERANT JAVA VIRTUAL MACHINE
RL450	SB	99102322.7	1,014,633	Granted	16-Dec-99	29-Sep-04	RL450	SCALABLE GATEKEEPERS IN AN INTERNET TELEPHONY SYSTEM AND A METHOD OF OPERATION
RL450	FR	99102322.7	1,014,633	Granted	16-Dec-99	29-Sep-04	RL450	SCALABLE GATEKEEPERS IN AN INTERNET TELEPHONY SYSTEM AND A METHOD OF OPERATION
RL450	DE	99102322.7	69926411.3	Granted	16-Dec-99	29-Sep-04	RL450	SCALABLE GATEKEEPERS IN AN INTERNET TELEPHONY SYSTEM AND A METHOD OF OPERATION
RL451	SB	9399861.1	1,011,043	Granted	7-Dec-99	31-Jan-99	RL451	METHOD AND APPARATUS FOR LOADING A JAVA APPLICATION PROGRAM
RL451	FR	9399861.1	1,011,043	Granted	7-Dec-99	31-Jan-99	RL451	METHOD AND APPARATUS FOR LOADING A JAVA APPLICATION PROGRAM
RL451	DE	9399861.1	1,011,043	Granted	7-Dec-99	31-Jan-99	RL451	METHOD AND APPARATUS FOR LOADING A JAVA APPLICATION PROGRAM
RL451	CA	2,290,068	2,290,068	Granted	15-Nov-99	16-Sep-99	RL451	METHOD FOR LOADING A JAVA APPLICATION PROGRAM

Patent No.	IPC Class.	Pub No.	Pub Date	App No.	App Date	App Status	Inventor	Assignor	Title
862534	EP	342471	HEMPY	Filed	19-Apr-00	HEMPY	862534		METHOD AND APPARATUS FOR PROVIDING A VIRTUAL SYSTEM IN A COMMUNICATIONS SYSTEM
862546	EP	3317245	HEMPY	Filed	12-Oct-99	HEMPY	862546		MOBILE IP INTEGRATED GPRS ACCOUNTING FRAMEWORK
862546	EP	9954858	HEMPY	Filed	12-Oct-99	HEMPY	862546		MOBILE IP INTEGRATED GPRS ACCOUNTING FRAMEWORK
S2002	NZ	318874	0 310874	granted	19-Sep-95	20-Apr-99	S2002		METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALING BETWEEN TELEPHONES OR ADJUNCTS ON THE SAME LOOP
S2002	NX	982202	210133	granted	19-Sep-95	4-Sep-99	S2002		METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALING BETWEEN TELEPHONES OR ADJUNCTS ON THE SAME LOOP
S2002	JP	9-812265	3138713	granted	19-Sep-95	15-Dec-99	S2002		METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALING BETWEEN TELEPHONES OR ADJUNCTS ON THE SAME LOOP
S2002	GB	9829996.5	0 852104	granted	19-Sep-95	13-Nov-99	S2002		METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALING BETWEEN TELEPHONES OR ADJUNCTS ON THE SAME LOOP
S2002	DE	9829996.5	69824822	granted	19-Sep-95	13-Nov-99	S2002		METHOD OF AND APPARATUS FOR OFF-HOOK SIGNALING BETWEEN TELEPHONES OR ADJUNCTS ON THE SAME LOOP
S2005	GB	9898929	0 327484	granted	12-Mar-98	6-Jul-05	S2005		ON-HOOK CALL WAITING DISPLAY METHOD AND APPARATUS
S2005	FR	9898929	0 327484	granted	12-Mar-98	6-Jul-05	S2005		ON-HOOK CALL WAITING DISPLAY METHOD AND APPARATUS
S2005	DE	9898929	69830760	granted	12-Mar-98	6-Jul-05	S2005		ON-HOOK CALL WAITING DISPLAY METHOD AND APPARATUS
S2004	SE	98912639	0 370576	granted	12-Mar-98	14-Dec-11	S2004		METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
S2004	NL	98912639	0 370576	granted	12-Mar-98	14-Dec-11	S2004		METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
S2004	JP	10-547485	438421	granted	12-Mar-98	4-Sep-09	S2004		METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
S2004	GB	98912639	0 370576	granted	12-Mar-98	14-Dec-11	S2004		METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
S2004	FR	98912639	0 370576	granted	12-Mar-98	14-Dec-11	S2004		METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
S2004	FI	98912639	0 370576	granted	12-Mar-98	14-Dec-11	S2004		METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
S2004	EP	98912639	0 370576	inactive	12-Mar-98	14-Dec-11	S2004		METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
S2004	DE	98912639	0 370576	granted	12-Mar-98	14-Dec-11	S2004		METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
S2004	CA	2,218,783	2,218,783	granted	20-Oct-01	4-Feb-03	S2004		METHOD AND APPARATUS FOR PROVIDING SUBSCRIBER SERVICES TO A TELEPHONE
S2005	GB	98310292	0 326865	granted	15-Dec-98	26-Jul-06	S2005		TEXT-TO-SPEECH DRIVEN ANNUNCIATION OF CALLER IDENTIFICATION
S2005	FR	98310292	0 326865	granted	15-Dec-98	26-Jul-06	S2005		TEXT-TO-SPEECH DRIVEN ANNUNCIATION OF CALLER IDENTIFICATION
S2005	DE	98310292	69833382	granted	15-Dec-98	26-Jul-06	S2005		TEXT-TO-SPEECH DRIVEN ANNUNCIATION OF CALLER IDENTIFICATION
S2005	CA	2,254,816	2,254,816	granted	30-Nov-98	5-Aug-03	S2005		TEXT-TO-SPEECH DRIVEN ANNUNCIATION OF CALLER IDENTIFICATION
S2002	NX	989550	218583	granted	30-Oct-98	12-Jan-04	S2002		INTERACTIVE GRAPHIC PAGER
S2003	GB	93398933	0 009148	granted	7-Dec-93	31-Aug-95	S2003		CALLING PARTY IDENTIFICATION AUTHENTICATION AND ROUTING IN RESPONSE THERETO
S2003	FR	93398933	0 009148	granted	7-Dec-93	31-Aug-95	S2003		CALLING PARTY IDENTIFICATION AUTHENTICATION AND ROUTING IN RESPONSE THERETO
S2003	DE	93398933	69329776	granted	7-Dec-93	31-Aug-95	S2003		CALLING PARTY IDENTIFICATION AUTHENTICATION AND ROUTING IN RESPONSE THERETO
S2003	CA	2,279,870	2,279,870	granted	10-Aug-93	30-Oct-97	S2003		CALLING PARTY IDENTIFICATION AUTHENTICATION AND ROUTING IN RESPONSE THERETO
S2004	GB	99309543	1 017200	granted	30-Nov-99	14-Mar-12	S2004		VOICE OVER DATA NETWORK MANAGER
S2004	FR	99309543	1 017200	granted	30-Nov-99	14-Mar-12	S2004		VOICE OVER DATA NETWORK MANAGER
S2004	EP	99309543	1 017200	inactive	30-Nov-99	14-Mar-12	S2004		VOICE OVER DATA NETWORK MANAGER
S2004	DE	99309543	1 017200	granted	30-Nov-99	14-Mar-12	S2004		VOICE OVER DATA NETWORK MANAGER
SM0148	FR	98-709503	317443	granted	23-Apr-97	30-Nov-01	SM0148		INTERNET PROTOCOL FILTER
SM0148	GB	97917189.9	0 695684	granted	23-Apr-97	14-Nov-01	SM0148		INTERNET PROTOCOL FILTER
SM0148	FR	97917189.9	0 695684	granted	23-Apr-97	14-Nov-01	SM0148		INTERNET PROTOCOL FILTER
SM0148	DE	97917189.9	69708281.4	granted	23-Apr-97	14-Nov-01	SM0148		INTERNET PROTOCOL FILTER
SM0148	CA	2,248,577	2,248,577	granted	23-Apr-97	5-Nov-02	SM0148		INTERNET PROTOCOL FILTER
SM0148	AU	197705622	707905	granted	23-Apr-97	22-Jul-99	SM0148		INTERNET PROTOCOL FILTER
SM0179	CA	2,243,141	2,243,141	granted	1-Oct-98	9-Sep-03	SM0179		METHOD AND APPARATUS FOR INTEGRATED SERVICES DIGITAL NETWORK USER PART (ISUP) SIGNALING LOOPBACK
SM0220	JP	0	HEMPY	Filed	29-Jan-97	HEMPY	SM0220		TELECOMMUNICATIONS FUNCTIONS MANAGEMENT SYSTEM PROVIDING SELECTIVE ALERTING BASED ON CALLER IDENTIFIER
SM0220	CA	2,217,050	2,217,050	granted	29-Jan-97	24-Jul-01	SM0220		TELECOMMUNICATIONS FUNCTIONS MANAGEMENT SYSTEM PROVIDING SELECTIVE ALERTING BASED ON CALLER IDENTIFIER
S50109	GB	97000953	0 850249	granted	9-Jan-97	16-Mar-05	S50109		APPARATUS AND METHOD FOR REDUCING SPEECH RECOGNITION VOCABULARY PERPLEXITY AND DYNAMICALLY SELECTING ACOUSTIC MODELS
S50109	FR	97000953	0 850249	granted	9-Jan-97	16-Mar-05	S50109		APPARATUS AND METHOD FOR REDUCING SPEECH RECOGNITION VOCABULARY PERPLEXITY AND DYNAMICALLY SELECTING ACOUSTIC MODELS
S50109	DE	69727619.9	0 850249	granted	9-Jan-97	16-Mar-05	S50109		APPARATUS AND METHOD FOR REDUCING SPEECH RECOGNITION VOCABULARY PERPLEXITY AND DYNAMICALLY SELECTING ACOUSTIC MODELS
S50109	CA	2,250,059	2,250,059	granted	9-Jan-97	25-Jun-02	S50109		APPARATUS AND METHOD FOR REDUCING SPEECH RECOGNITION VOCABULARY PERPLEXITY AND DYNAMICALLY SELECTING ACOUSTIC MODELS
S50112	EP	97509536	HEMPY	Filed	6-Nov-97	HEMPY	S50112		ARCHITECTURE FOR DISTRIBUTION OF VOICE OVER ATM NETWORKS
S50113	GB	98907613.8	0 982088	granted	25-Feb-98	12-May-04	S50113		CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
S50113	FR	98907613.8	0 982088	granted	25-Feb-98	12-May-04	S50113		CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
S50113	DE	98907613.8	6982810.9	granted	25-Feb-98	12-May-04	S50113		CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
S50113	CA	2,268,000	2,268,000	granted	6-Oct-97	17-Sep-02	S50113		CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
S50113	CA	2,282,633	2,282,633	granted	25-Feb-98	13-May-03	S50113		CALL FORWARDING SYSTEM USING ADAPTIVE MODEL OF USER BEHAVIOR
S50116	CA	2,234,662	2,234,662	granted	14-Apr-98	26-Aug-03	S50116		METHOD AND APPARATUS FOR USING THE CONTROL CHANNEL IN TELECOMMUNICATIONS SYSTEMS FOR VOICE DIALING
TA0112	JP	10-507406	3184981	granted	15-Jan-97	11-May-01	TA0112		REDUCING CROSS-TALK BETWEEN COMMUNICATIONS SYSTEMS
TA0112	GB	97900172.4	0 916139	granted	15-Jan-97	10-May-00	TA0112		REDUCING CROSS-TALK BETWEEN COMMUNICATIONS SYSTEMS
TA0112	FR	97900172.4	0 916139	granted	15-Jan-97	10-May-00	TA0112		REDUCING CROSS-TALK BETWEEN COMMUNICATIONS SYSTEMS
TA0112	DE	97900172.4	69701989.6	granted	15-Jan-97	10-May-00	TA0112		REDUCING CROSS-TALK BETWEEN COMMUNICATIONS SYSTEMS
TA0112	CA	2,256,898	2,256,898	granted	15-Jan-97	2-Apr-02	TA0112		REDUCING CROSS-TALK BETWEEN COMMUNICATIONS SYSTEMS
TA0119	CA	2,296,937	2,296,937	granted	21-Jan-00	20-Apr-07	TA0119		METHOD AND SYSTEM FOR REDIRECTING WEB PAGE REQUESTS ON A TCP/IP NETWORK
TW0008	JP	2000-552810	4817497	granted	1-Jun-99	9-Sep-11	TW0008		ICDN INTEGRATED DATA CENTRIC NETWORK



UNITED STATES PATENT AND TRADEMARK OFFICE

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

35527 7590 11/22/2006
DUKE W. YEE
YEE & ASSOCIATES, P.C.
P.O. BOX 802333
DALLAS, TX 75380

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;

11-06-06



Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or **Fax** (571)-273-2885

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

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.

35527 7590 08/08/2006
DUKE W. YEE
YEE & ASSOCIATES, P.C.
P.O. BOX 802333
DALLAS, TX 75380

Certificate of Mailing or Transmission
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.

11/09/2006 RMEBRAH1 00000049 503157 10199797
01 FC:1501 1400.00 DA
02 FC:1504 300.00 DA

Dell Whitton (Depositor's name)
Dell Whitton (Signature)
11-06-06 (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 DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	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).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "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.
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. _____

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: Nortel Networks Limited
(B) RESIDENCE: (CITY and STATE OR COUNTRY): St. Laurent, Quebec H4S 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:
 Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____
- 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
 A check is enclosed.
 Payment 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 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: Peter B. Manzo
Date: 11-06-06
Typed or printed name: Peter B. Manzo
Registration No.: 54,700

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. 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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NOTICE OF ALLOWANCE AND FEE(S) DUE

35527 7590 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

Table with 5 columns: 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

Table with 7 columns: 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.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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.

M-F



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NOTICE OF ALLOWANCE AND FEE(S) DUE

35527 7590 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

Table with 5 columns: 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

Table with 7 columns: 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

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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
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DUKE W. YEE
 YEE & ASSOCIATES, P.C.
 P.O. BOX 802333
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Certificate of Mailing or Transmission

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.

_____ (Depositor's name)
_____ (Signature)
_____ (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 DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	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).

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "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.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 1
- (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. _____ 2
- _____ 3

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) _____

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:

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
- Payment 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 _____ (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 _____ Date _____

Typed or printed name _____ Registration No. _____

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Table with 5 columns: 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 08/08/2006

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

Table with 1 column: EXAMINER

NGUYEN, THUAN T

Table with 2 columns: ART UNIT, PAPER NUMBER

2618

DATE MAILED: 08/08/2006

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.

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

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY 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.

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 under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 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)).

* 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 submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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.

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).

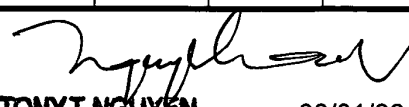
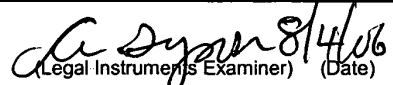


TONY T. NGUYEN
PATENT EXAMINER, FSA

Tony T. Nguyen
Art Unit 2618
August 01, 2006

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

ISSUE CLASSIFICATION										
ORIGINAL				CROSS REFERENCE(S)						
CLASS		SUBCLASS		CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
455		417		455	435.1	436	442			
INTERNATIONAL CLASSIFICATION				340	3.5	3.52				
H	0	4	M							
				3/42						
H	0	4	Q							
				7/20						
				/						
				/						
				/						

_____ (Assistant Examiner) (Date)	 TONY T. NGUYEN PATENT EXAMINER, FSA (Primary Examiner)	Total Claims Allowed: 15	
 (Legal Instruments Examiner) (Date)	08/01/06 (Date)	O.G. Print Claim(s) 1	O.G. Print Fig. 9

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original
	1		31	10	61		
	2		32	11	62		
	3		33		63		
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	5		35		65		
	6		36	12	66		
	7		37	13	67		
	8		38	14	68		
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	25	4	55				
	26	5	56				
	27	6	57				
	28	7	58				
	29	8	59				
	30	9	60				

Search Notes



Application No.

10/199,797

Examiner

THUAN T. NGUYEN

Applicant(s)

OSTERHOUT ET AL.

Art Unit

2618

SEARCHED

Class	Subclass	Date	Examiner
455	417 442	7/28/06	805
	445		
	435.1		
	435.2		
	435.3		
	438		
	439		
	414.4		
	432.2		
340	325.52		
	3.5		
	3.52-3.54		
	7.45		
	7.45		

**SEARCH NOTES
(INCLUDING SEARCH STRATEGY)**

	DATE	EXMR
Ext searched	1/19/06	818
"	1/20/06	80
SPE Ed Update	1/22/06	80
Ext updated	7/28/06	80

INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner
455	417	1/19/06 2/7/06	806
	442		
	435.1		
	414.4		
	432.2		

340 3.5, 3.52, 3.53, 3.54, 7.45, 7.46
 (See the IS searched in USPOB attached)

Index of Claims



Application/Control No.

10/199,797

Examiner

THUAN T. NGUYEN

Applicant(s)/Patent under Reexamination

OSTERHOUT ET AL.

Art Unit

2618

✓	Rejected
=	Allowed

-	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim		Date			
Final	Original				
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Claim		Date			
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1	81				
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15	69				

Claim		Date			
Final	Original				

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Drafts

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- Pending
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 - L2: (3) 1 and (registration near5 notice).clm.
 - L3: (1) 1 and (modified near5 registration near5 notice).clm.
 - L4: (0) 1 and (registration near5 announcement).clm.
 - L5: (85) 1 and (registration near5 message).clm.
 - L6: (0) 5 and (modified near5 registration near5 message).clm.
 - L7: (5) 5 and (second near5 protocol).clm.
- Failed
- Saved
 - S1: (1) ("6421436").PN.
 - S2: (1) "6421536"
 - S3: (1) S2 and pager
 - S4: (1) S3 and palm

Search List Browse Queue Clear

DBs US:PGPUB Plural

Default operator: OR Highlight all hit terms initially

5 and (second near5 protocol).clm.

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor
1	<input type="checkbox"/>	US 20060135157 A1	20060622	39	Network interworking system and method for providing	455/433	455/435.1		Baek; Hye-Won et al.
2	<input type="checkbox"/>	US 20060025134 A1	20060202	27	Method of communicating data in a wireless mobile	455/435.1	455/574		Cho; Ki Hyoung et al.
3	<input type="checkbox"/>	US 20040229608 A1	20041118	16	Methods and systems for allowing global roaming	455/432.1	455/432.2		Isukapalli, Ramana et al.
4	<input type="checkbox"/>	US 20040219948 A1	20041104	11	Multi-mode mobile station and method	455/552.1	455/426.1; 455/435.1		Jones, Bryce A. et al.
5	<input type="checkbox"/>	US 20040005886 A1	20040108	35	Radio terminal, radio terminal controlling apparatus and	455/422.1	455/1; 455/435.1;		Oda, Toshikane et al.

Ready NUM

None of them is prior art.



- [-] Drafts
 - [-] BRS:
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 - [-] L6: (0) 5 and (modified near5 registration near5 message).clm.
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 - [-] S2: (1) "6421536"
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 - [-] S5: (0) S4 and hypertext
 - [-] S6: (0) S4 and HTML
 - [-] S7: (0) S4 and PDA
 - [-] S8: (0) S2 and PDA
 - [-] S9: (26261) process\$3 near3 call

Search List Browse Queue Clear

DBs: US-PGPUB Plurals

Default operator: OR Highlight all hit terms initially

5 and (modified near5 registration near5 message).clm.

BRS form IS&R form Image Text HTML

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current Ret	Inventor
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EAST - [10199797.wsp:1]

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Drafts

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- Pending
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- Failed
- Saved
 - S1: (1) ("6421436").PN.
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 - S3: (1) S2 and pager
 - S4: (1) S3 and palm
 - S5: (0) S4 and hypertext
 - S6: (0) S4 and HTML
 - S7: (0) S4 and PDA
 - S8: (0) S2 and PDA
 - S9: (26261) process\$3 near3 call
 - S10: (1343) S9 and (PDA or "personal digital assistant")
 - S11: (0) S10 and "Palm VI"
 - S12: (202) S10 and Palm

United States Patent Application Publication (Pub. No.) US 2002/0187777 A1
 Osterhout et al. (Pub. Date) Dec. 12, 2002

PORTABLE CALL MANAGEMENT SYSTEM

Gregory T. Osterhout, Clayton, TX (US); Alan R. Johnson, Houston, TX (US); David G. Johnson, Houston, TX (US)

INVENTOR NETWORKS CORPORATION
 INTELLECTUAL PROPERTY LAW GROUP
 5075 RICHMOND, TX 75082-2219

Appl. No. 09/268,797
 Filed Jul. 19, 2002
 Related U.S. Application Data
 Division of application No. 09/418,123, filed on Oct. 15, 1999

ABSTRACT

A method of collecting a call from a data processing system in a network system. In particular, a system of a network system includes a server and a data processing system. The server may include a data processing system to collect a call from the data processing system in a network system. The server may include a data processing system to collect a call from the data processing system in a network system. The server may include a data processing system to collect a call from the data processing system in a network system.

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current Ret	Inventor
<input type="checkbox"/>	<input type="checkbox"/>	US 20020187777 A1	20021212	20	Portable call management system	455/417	455/445; 455/461	Osterhout, Gregory T. et al.

Hits Details HTML

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- ☐ Pending
- ☐ Active
 - ☑ L1: (1498) 455/417 455/442 455/435.1 455/436 455/414.4 455/432.2 3
 - ☑ L2: (3) 1 and (registration, near 5 notice).clm.
- ☐ Failed
- ☐ Saved
 - ☑ S1: (1) ("6421436").PN.
 - ☑ S2: (1) "6421536"
 - ☑ S3: (1) S2 and pager
 - ☑ S4: (1) S3 and palm
 - ☑ S5: (0) S4 and hypertext
 - ☑ S6: (0) S4 and HTML
 - ☑ S7: (0) S4 and PDA
 - ☑ S8: (0) S2 and PDA
 - ☑ S9: (26261) process\$3 near3 call
 - ☑ S10: (1343) S9 and (PDA or "personal digital assistant")
 - ☑ S11: (0) S10 and "Palm VI"
 - ☑ S12: (202) S10 and Palm
 - ☑ S13: (189) S12 and (wireless or mobile)

US 2002/018777 A1

(us) United States
 (us) Patent Application Publication (us) Pub. No.: US 2002/018777 A1
 Osterhout et al. (us) Pub. Date: Dec. 12, 2002

PORTABLE CALL MANAGEMENT SYSTEM

(*) Invention: Gregory T. Osterhout, Gregory T. Osterhout et al.
 (**) Int. Cl. Class.: H04M 1/00
 (**) Int. Cl. Class.: H04M 1/00

Classification: H04M 1/00
 H04M 1/00

Abstract: A method of reducing a call from a data processing system to another system, the method comprising: a user of a data processing system is presented with a screen of a data processing system. The screen may include either identification information or not. The user of the data processing system is prompted for an address to which the call is to be placed. The user then identifies the address by pressing a key on the data processing system. The screen then displays the address to which the call is to be placed.

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current Ret	Inventor
1	☐	US 20050101322 A1	20050512	11	Digital cellular phone system and cellular phone applied	455/435.1	455/435.2; 455/518;	Hsuan, Min-Chih
2	☐	US 20050014503 A1	20050120	39	Scheme for registration and authentication in wireless	455/435.1	455/411	Nakakita, Hideaki et al
3	☐	US 20020187777 A1	20021212	20	Portable call management system	455/417	455/445; 455/461	Osterhout, Gregory T. et al.

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**Yee &
Associates, P.C.**

4100 Alpha Road
Suite 1100
Dallas, Texas 75244

Main No. (972) 385-8777
Facsimile (972) 385-7766

FACSIMILE COVER SHEET

<p>To: Commissioner for Patents for Examiner Thuan T. Nguyen Group Art Unit 2685</p>	<p>Facsimile No. 571/273-8300</p>
<p>From: Candace Crawford Legal Assistant to Ted Fay</p>	<p>No. of Pages Including Cover Sheet: 14</p>
<p>Enclosed herewith:</p> <ul style="list-style-type: none"> • Transmittal; and • Response to Office Action. 	
<p>Re: Application Serial No. 10/199,797 Attorney Docket No. 11032RRUS04D</p>	
<p>Date: Friday, May 26, 2006</p>	
<p>Please contact us at (972) 385-8777 if you do not receive all pages indicated above or experience any difficulty in receiving this facsimile.</p>	<p><i>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.</i></p>

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Osterhout et al.

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Group Art Unit: 2685

Serial No.: 10/199,797


Examiner: Thuan T. Nguyen

Filed: July 19, 2002

Attorney Docket No.: 11032RRUS04D

For: Portable Call Management System

35527
PATENT TRADEMARK OFFICE
CUSTOMER NUMBER

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By: 
Candace Crawford

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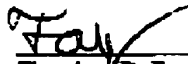
Commissioner for Patents
P.O. Box 1450
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Sir:
ENCLOSED HERewith:

- 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,


Theodore 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

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MAY 26 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**

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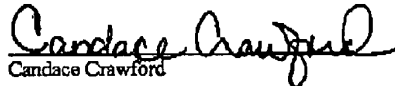
Group Art Unit: **2685**

Examiner: **Thuan T. Nguyen**

Attorney Docket No.: **11032RRUS04D**

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

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By: 
Candace Crawford

35227

PATENT TRADEMARK OFFICE
CUSTOMER NUMBER

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

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.

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 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. (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)

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.

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. § 102. Asserted Anticipation

The examiner rejected claims 66 and 68-69 as anticipated by *Pirot et al.*, System and Method of Controlling and Managing Voice and Data Services in a Telecommunications Network, 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;

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 B1).

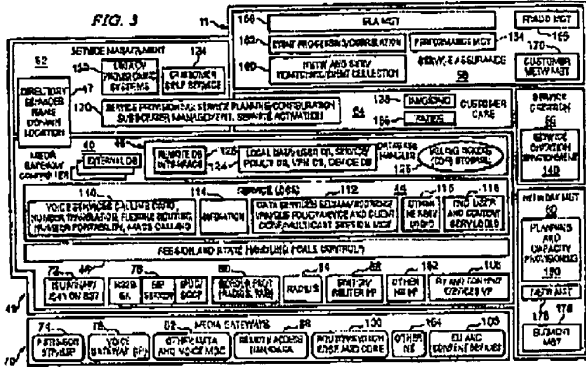
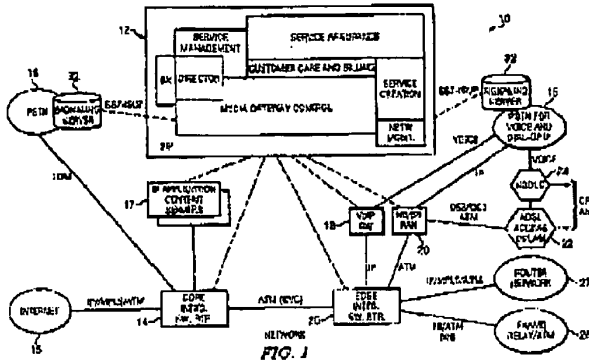
Regarding claim 66, *Pirot* discloses a method for initiating calls comprising the steps of receiving registration of an incoming call, which is formatted in a first protocol, and translating the registration from the first protocol to a second protocol to form a modified registration notice, and transmitting 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 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 *Pivot*, 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 *Pivot* 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 *Pivot* 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 *Pivot* 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

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 *Pirot* 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

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 telco-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.

Pivot, col. 11, ll. 17-41.

This portion of *Pivot* 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 *Pivot* 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 *Pivot* has absolutely nothing to do with modifying or translating a registration notice of a call. Thus, this portion of *Pivot* is wholly irrelevant to claim 66.

Nevertheless, the examiner asserts that the following portion of *Pivot* 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.

Pivot, col. 13, ll. 54-65.

This portion of *Pivot* does not teach translating the registration notice from a first protocol to a second protocol in the claimed manner. Instead, this portion of *Pivot* 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, *Pivot* 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 *Pivot* is wholly irrelevant to translating a registration notice of a call into a second protocol, as claimed in claim 66.

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 *Pivot* 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.

Pivot, col. 13, l. 49 through col. 14, l. 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

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 *Pivot* 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 *Pivot* only deals with the customer service aspects of *Pivot's* system. Therefore, this portion of *Pivot* is wholly irrelevant to claim 66.

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

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

Because claims 68 and 69 depend from claim 66, the same distinctions between *Pivot* 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, *Pivot* 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, *Pivot* 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, *Pivot* 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 *Pivot* 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 *Pivot* to reach the present invention when the reference is examined as a whole. Absent some teaching, suggestion, or incentive to modify *Pivot* 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.

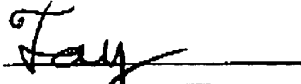
III. Conclusion

It is respectfully urged that the subject application is patentable over *Pitor* 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,



Theodore D. Fay III
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Yee & Associates, P.C.
P.O. Box 802333
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Attorney for Applicants

10/99797

PATENT APPLICATION FEE DETERMINATION RECORD
Effective November 10, 1998

Application or Docket Number

10/199797 **EE**
10/14/01

CLAIMS AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA
BASIC FEE		770
TOTAL CLAIMS :	15 minus 20 =	
INDEPENDENT CLAIMS	3 minus 3 =	
MULTIPLE DEPENDENT CLAIM PRESENT		

SMALL ENTITY TYPE <input type="checkbox"/>		OR	OTHER THAN SMALL ENTITY	
RATE	FEE		RATE	FEE
		OR		770
		OR		
		OR		
		OR		
TOTAL		OR	TOTAL	770

* If the difference in column 1 is less than zero, enter "0" in column 2

4-15-05 **CLAIMS AS AMENDED - PART II**

AMENDMENT A	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	15	Minus	24
Independent	3	Minus	4
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
		OR		
		OR		
		OR		
TOTAL ADDT. FEE		OR	TOTAL ADDT. FEE	

AMENDMENT B	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	15	Minus	24
Independent	3	Minus	4
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
		OR		
		OR		
		OR		
TOTAL ADDT. FEE		OR	TOTAL ADDT. FEE	

AMENDMENT C	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	15	Minus	24
Independent	3	Minus	4
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
		OR		
		OR		
		OR		
TOTAL ADDT. FEE		OR	TOTAL ADDT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

FORM PTO-676
Rev. 6/99
1075

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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	02/27/2006	EXAMINER	
DUKE W. YEE YEE & ASSOCIATES, P.C. P.O. BOX 802333 DALLAS, TX 75380			NGUYEN, THUAN T	
			ART UNIT	PAPER NUMBER
			2685	

DATE MAILED: 02/27/2006

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

Office Action Summary	Application No. 10/199,797	Applicant(s) OSTERHOUT ET AL.	
	Examiner THUAN T. NGUYEN	Art Unit 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) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 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 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) 52-62 is/are allowed.
- 6) Claim(s) 66, 68 and 69 is/are rejected.
- 7) Claim(s) 67 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 ____ 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) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

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."

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

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.

Art Unit: 2685

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).



TONY T. NGUYEN
PATENT EXAMINER

Tony T. Nguyen
Art Unit 2685
February 17, 2006

Notice of References Cited	Application/Control No. 10/199,797	Applicant(s)/Patent Under Reexamination OSTERHOUT ET AL.	
	Examiner THUAN T. NGUYEN	Art Unit 2685	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-6,856,676 B1	02-2005	Pirot et al.	379/201.01
B	US-			
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	
V	
W	
X	

*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.



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	CLASS 455	GROUP ART UNIT 2684 2685	ATTORNEY DOCKET NO. 11032RRUS04D
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APPLICANTS
Gregory T. Osterhout, Coppell, TX;
Kim B. Holmes, Rowlett, TX;
Mark Sosebee, Plano, TX;

**** CONTINUING DATA *******
This application is a DIV of 09/419,175 10/15/1999

**** FOREIGN APPLICATIONS ******* *Yes, 8/02*
No / 7/02

IF REQUIRED, FOREIGN FILING LICENSE GRANTED
**** 09/03/2002**

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance	STATE OR COUNTRY TX	SHEETS DRAWING 10	TOTAL CLAIMS <i>24</i> 15	INDEPENDENT CLAIMS <i>4</i> 3
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Verified and Acknowledged
Examiner's Signature: *[Signature]* Initials: *[Initials]*

ADDRESS
021498

TITLE
Portable call management system

FILING FEE RECEIVED 896	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
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SEARCH			
Class	Sub.	Date	Exmr.
455 ↓ 709 ↓ 340 ↓	417	9/2/03	885
	412.1		
	412.2		
	414.1		
	415		
	425		
	458		
	459		
	463		
	466		
	556.1		
	556.2		
	(1DA)		
	217	9/3/03	875
	219		
220			
227			
3.52			
3.53			
3.54			
825.21			
7.46			
7.47			
7.52			
updated above of 404			806
updated above			7/15/05 807

INTERFERENCE SEARCHED			
Class	Sub.	Date	Exmr.
455 ↓	417	1/19/06	807
	442		
	435.1		
	436		
	414.4		
	432.2		

SEARCH NOTES			
(List databases searched. Attach search strategy inside.)			
	Date	Exmr.	
Fast Search	9/2/03	80	
" -	9/3/03	80	
Wynona	9/2/03	80	
Fast Search	10/4/04	80	
"	1/12/04	80	
"	7/11/05	80	
"	7/15/05	80	
Fast updated	1/13/06	80	
455 ↓ 340 ↓	442	1/13/06	80
	445		
	435.1		
	435.2		
	435.3		
	436		
	438		
	439		
	414.4		
	432.2		
	825.22		
	7.5		
	3.52		
	3.53		
	3.54		
7.45			
7.46			

340/3.5, 3.52, 3.53, 3.54, 7.45, 7.46/11906 9/15/05

Best Available Copy

EAST Search History

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
S1	1	("6421436").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/17 15:41
S2	1	"6421536"	US-PGPUB; USPAT; EPO	OR	ON	2003/09/08 14:22

EAST Search History

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

EAST Search History

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

EAST Search History

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	1	("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

EAST Search History

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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 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: Carrie Parker Legal Assistant to Ted Fay	No. of Pages Including Cover Sheet: 12
Message: Transmitted herewith: <ul style="list-style-type: none"> • 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

In re application of: Osterhout et al.

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§

Group Art Unit: 2685

Serial No.: 10/199,797

Examiner: Nguyen, Thuan T.

Filed: July 19, 2002

Attorney Docket No.: 11032RRUS04D

For: Portable Call Management System

Certificate of Transmission Under 37 C.F.R. § 1.8(a)
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 By: Carrie Parker
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35527

PATENT TRADEMARK OFFICE
CUSTOMER NUMBER

TRANSMITTAL DOCUMENT

Commissioner for Patents
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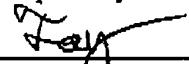
Sir:

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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NOV 22 2005

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**

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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.

By: Carrie Parker
 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.

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.

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)

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.

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.

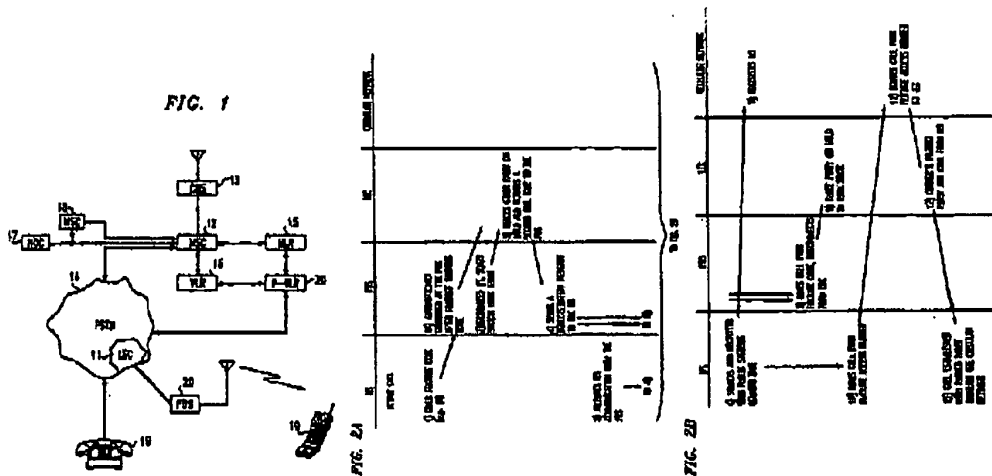
A prior art reference anticipates the claimed invention under 35 U.S.C. § 102 only if every element of a claimed invention is identically shown in that single reference, arranged as they are in the claims. *In re Bond*, 910 F.2d 831, 832, 15 U.S.P.Q.2d 1566, 1567 (Fed. Cir. 1990). All limitations of 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:

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.

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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Osterhout et al. - 10/199,797

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.

2) The PBS sends a switch-hook flash to the LEC.

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.

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

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.

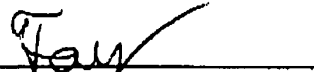
III. Conclusion

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

PATENT APPLICATION FEE DETERMINATION RECORD
Effective November 10, 1998

Application or Docket Number

10/199977 PEE
10/14/01

CLAIMS AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA
BASIC FEE		770
TOTAL CLAIMS	15 minus 20 = *	
INDEPENDENT CLAIMS	3 minus 3 = *	
MULTIPLE DEPENDENT CLAIM PRESENT		

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY TYPE OR OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
		OR		770
		OR		
		OR		
		OR		
TOTAL		OR	TOTAL	770

CLAIMS AS AMENDED - PART II

4-15-05

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT	(Column 2) MINUS	(Column 3) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 4) PRESENT EXTRA
AMENDMENT A				
Total	15	Minus	**	= /
Independent	3	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				

SMALL ENTITY OR OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
		OR		
		OR		
		OR		
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT	(Column 2) MINUS	(Column 3) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 4) PRESENT EXTRA
AMENDMENT B				
Total	15	Minus	** 24	= /
Independent	3	Minus	*** 4	= /
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
		OR		
		OR		
		OR		
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT	(Column 2) MINUS	(Column 3) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 4) PRESENT EXTRA
AMENDMENT C				
Total		Minus	**	=
Independent		Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
		OR		
		OR		
		OR		
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

FORM PTO-675
Rev. 6/00
1/98

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11/11



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	08/23/2005	EXAMINER NGUYEN, THUAN T	
DUKE W. YEE YEE & ASSOCIATES, P.C. P.O. BOX 802333 DALLAS, TX 75380			ART UNIT	PAPER NUMBER
			2685	

DATE MAILED: 08/23/2005

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

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

- 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 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) 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 Examiner.
- 10) The drawing(s) filed on 19 July 2002 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)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

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."

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).

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).



**TONY T. NGUYEN
PATENT EXAMINER**

Tony T. Nguyen
Art Unit 2685
July 15, 2005

Notice of References Cited	Application/Control No. 10/199,797	Applicant(s)/Patent Under Reexamination OSTERHOUT ET AL.	
	Examiner THUAN T. NGUYEN	Art Unit 2685	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-5,913,166	06-1999	Buttitta et al.	455/436
B	US-5,862,481	01-1999	Kulkami et al.	455/432.2
C	US-6,526,277 B1	02-2003	Zicker et al.	455/426.2
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	
V	
W	
X	

*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.

SEARCH

Class	Sub.	Date	Exmr.
455	417	9/2/03	89%
	412.1		
	412.2		
	414.1		
	415		
	425		
	458		
	459		
	463		
	466		
	556.1		
	556.2		
709	(IDA) 217	9/3/03	87%
	219		
	220		
	227		
340	3.52		
	3.53		
	3.54		
	825.29		
	7.46		
	7.47		
	7.52		
	Updated since 10/4/04		86%
	updated above		7/15/05 87%

INTERFERENCE SEARCHED

Class	Sub.	Date	Exmr.

SEARCH NOTES

(List databases searched. Attach search strategy inside.)

	Date	Exmr.
Fast Searchy	9/2/03	86%
" -	9/3/03	86%
Wagner No	9/3/03	88%
Fast Searchy	10/4/04	86%
" -	12/12/04	86%
" -	7/11/05	89%
" -	7/15/05	82%

Best Available Copy
7/15/05



- Drafts
- Pending
- Active
 - L1: (121724) "455"/\$.ccls. or "379"/\$.ccls.
 - L2: (747) 1 and ((register\$3 or registration) near8 "incoming call")
 - L3: (8) 2 and "first protocol"
 - L4: (8) 3 and "second protocol"
 - L5: (1) 4 and "session initiation protocol"
 - L6: (1) 4 and HTML
- Failed
- Saved
 - S1: (1) ("6421436").PN.
 - S2: (1) "6421536"
 - S3: (1) S2 and pager
 - S4: (1) S3 and palm
 - S5: (0) S4 and hometext

Search List Browse Queue Clear

DBs US-PGPUB; USPAT; EPO Plurals

Default operator: OR Highlight all hit terms initially


3 and "second protocol"

BRS form IS&R form Image Text HTML

	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor	S
2	<input type="checkbox"/>	<input type="checkbox"/>	US 2002018777	20021212	20	Portable call management system	455/417	455/445; 455/461		Osterhout, Gregory T. et al.	<input type="checkbox"/>
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6526277 B1	20030225	61	Multiple mode personal wireless communications	455/426.2	455/465		Zicker, Robert G. et al.	<input type="checkbox"/>
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6097966 A	20000801	15	Wireless access for local exchange carriers	455/555	455/422.1; 455/461;		Hanley, Donald V.	<input type="checkbox"/>
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6014379 A	20000111	21	Telecommunications custom calling services	370/389	370/352; 370/401;		White, Patrick E. et al.	<input type="checkbox"/>
6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5913166 A	19990615	16	Arrangement for providing a call hand-off for a mobile	455/436	455/444; 455/461;		Buttitta, Anthony et al.	<input type="checkbox"/>
7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5862481 A	19990119	22	Inter-technology roaming proxy	455/432.2	455/432.3; 455/445		Kulkarni, Sanjay et al.	<input type="checkbox"/>

Hits Details HTML

- ☐ Drafts
- ☐ Pending
- ☐ Active
 - ☑ L1: (121724) "455"/\$.cls. or "379"/\$.cls.
 - ☑ L2: (747) 1 and ((register\$3 or registration) near8 "incoming call")
 - ☑ L3: (8) 2 and "first protocol"
 - ☑ L4: (8) 3 and "second protocol"
 - ☑ L5: (1) 4 and "session initiation protocol"
- ☐ Failed
- ☐ Saved
 - ☑ S1: (1) ("6421436").PN.
 - ☑ S2: (1) "6421536"
 - ☑ S3: (1) S2 and pager
 - ☑ S4: (1) S3 and palm
 - ☑ S5: (0) S4 and hypertext
 - ☑ S6: (0) S4 and HTML
 - ☑ S7: (0) S4 and PDA
 - ☑ S8: (0) S2 and PDA
 - ☑ S9: (26261) process\$3 near3 call
 - ☑ S10: (1343) S9 and (PDA or "personal digital assistant")
 - ☑ S11: (0) S10 and "Palm VI"
 - ☑ S12: (202) S10 and Palm
 - ☑ S13: (189) S12 and (wireless or mobile)



US 2002/018777A1

(en) United States
 on Patent Application Publication (en) Pub. No.: US 2002/018777 A1
 Osterhout et al. (en) Pub. Date: Dec. 12, 2002

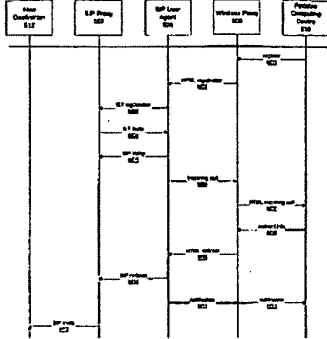
(24) PORTABLE CALL MANAGEMENT SYSTEM Publication Classification

(70) Inventor: Gregory T. Osterhout, Cypress, TX (51) Int. Cl.⁷: H04M 2/42
 (US) Kim B. Shuman, Houston, TX (52) U.S. Cl.: 482/171, 455/441, 455/461
 (US) Mark S. Jordan, Palm, TX (53)

Correspondence Address: INTEL NETWORKS CORPORATION, INTELLECTUAL PROPERTY LAW GROUP, P.O. BOX 62128, RICHARDSON, TX 75080 (57) ABSTRACT

(21) Appl. No.: 09 076,797
 (22) Filed: Jul. 11, 2002
 (30) Related U.S. Application Data: None
 (43) Primary of application No. 09-019,173, filed on Oct. 13, 1999.

A method of reducing a call from a first processing system to another system by performing sub-processing, a number of sub-processing calls received from a server at a first processing system. This system may include a call identification information as well. The user of the first processing system is prompted by a system to track the user across the call to be reduced. The user then identifies and sends to the server a new address to which the incoming call is to be reduced. The server then reduces the call to the new address.



BRS form
 IS&R form
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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current Ret	Inventor	S
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20020187777 A1	20021212	20	Portable call management system	455/417	455/445; 455/461	Osterhout, Gregory T. et al.	<input checked="" type="checkbox"/>

- Drafts
- Pending
- Active
 - L1: (121724) "455"/\$.ccls. or "379"/\$.ccls.
 - L2: (747) 1 and ((register\$3 or registration) near8 "incoming call")
 - L3: (8) 2 and "first protocol"
 - L4: (8) 3 and "second protocol"
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 - S1: (1) ("6421436").PN.
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 - S6: (0) S4 and HTML
 - S7: (0) S4 and PDA
 - S8: (0) S2 and PDA
 - S9: (26261) process\$3 near3 call
 - S10: (1343) S9 and (PDA or "personal digital assistant")
 - S11: (0) S10 and "Palm VI"
 - S12: (202) S10 and Palm

US 2002/18777 A1

(in) United States
 (ca) Patent Application Publication (in) Pub. No.: US 2002/18777 A1
 (ca) Inventor: Osterhout et al. (in) Pub. Date: Dec. 12, 2002

(40) PORTABLE CALL MANAGEMENT SYSTEM Publication Classification
 (70) Inventor: Gregory T. Osterhout, Cypress, TX (51) Int. Cl. H04M 3/40
 (52) Int. Cl. H04M 3/40 (52) U.S. Cl. 455/445; 455/461; 455/462

Correspondence Address:
 INTELLECTUAL PROPERTY LAW GROUP
 P.O. BOX 62124
 RICHMOND, TX 75362-0124 (77) ABSTRACT

(21) Appl. No.: 08/194,397
 (22) Filed: Jul. 11, 2000
 Related U.S. Application Data
 (60) Division of application No. 08/419,173, filed on Oct. 15, 1996.

A method of managing a call from a call processing system to another system. In a preferred embodiment, a method of managing call service from a server in a call processing system. This method may include call identification techniques as well. The flow of the data processing system is described by a flow diagram to which the user may refer to find a method. The user may identify and search to the server a new address to which the incoming call is to be processed. The server then returns the call to the new address.

BRS form IS&R form Image Text HTML

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current Ret	Inventor	S
1	<input type="checkbox"/>	<input type="checkbox"/>	US 2002018777 A1	20021212	20	Portable call management system	455/417	455/445; 455/461	Osterhout, Gregory T. et al.	<input checked="" type="checkbox"/>

PATENT APPLICATION FEE DETERMINATION RECORD
Effective November 10, 1998

Application or Docket Number

10/199977 *lee*
11/14/01

CLAIMS AS FILED - PART I

FOR	NUMBER FILED (Column 1)	NUMBER EXTRA (Column 2)
BASIC FEE		770
TOTAL CLAIMS	15 minus 20 = *	
INDEPENDENT CLAIMS	3 minus 3 = *	
MULTIPLE DEPENDENT CLAIM PRESENT		

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

4-15-05

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT (Column 1)	HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)
Total	* 15 Minus	**	=
Independent	* 3 Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT (Column 1)	HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)
Total	* Minus	**	=
Independent	* Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT (Column 1)	HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)
Total	* Minus	**	=
Independent	* Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SMALL ENTITY TYPE OR OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
		OR		770
		OR		
		OR		
		OR		
TOTAL		OR	TOTAL	770

SMALL ENTITY OR OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
		OR		
		OR		
		OR		
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
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TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
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TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	



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

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Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

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By: Carrie Parker
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 above-identified application as follows:

Claims Listing begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.

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.

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)

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.

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

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 address 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).

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:

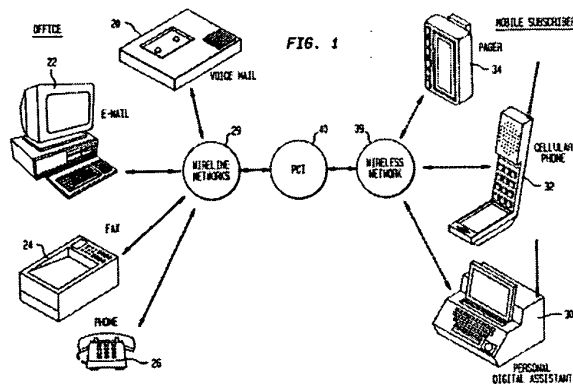
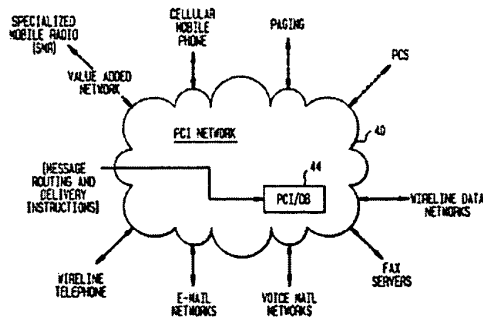


Figure 1 shows a set of communications equipment connected via wireless networks and PCI (personal communications internetworking). However, Figure 1 does not show "receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user,"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

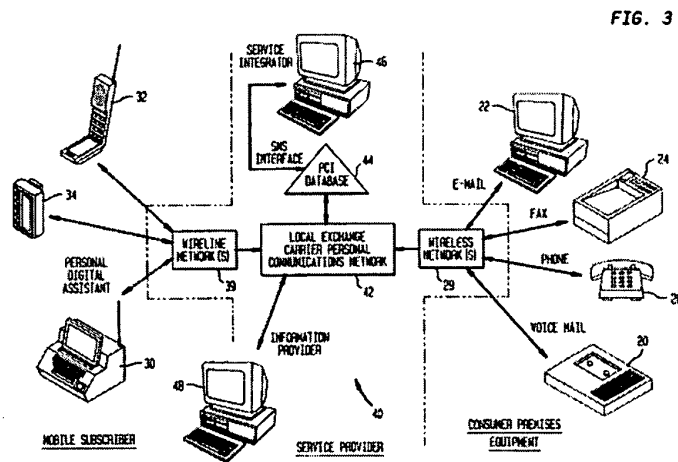
Figure 2 is as follows:

FIG. 2



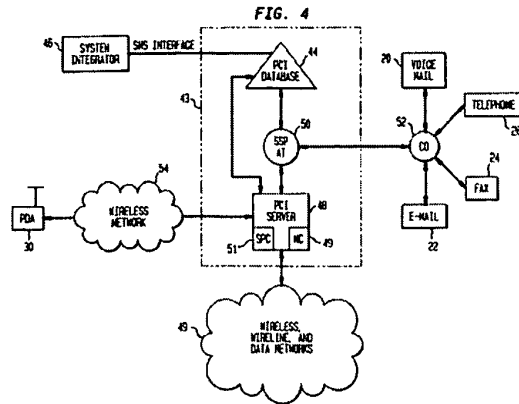
Again, Figure 2 shows a variety of communications equipment connected via a PCI network. However, Figure 2 does not show “receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing system associated with a user,” as claimed. Figure 2 provides no indication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

Figure 3 is as follows:



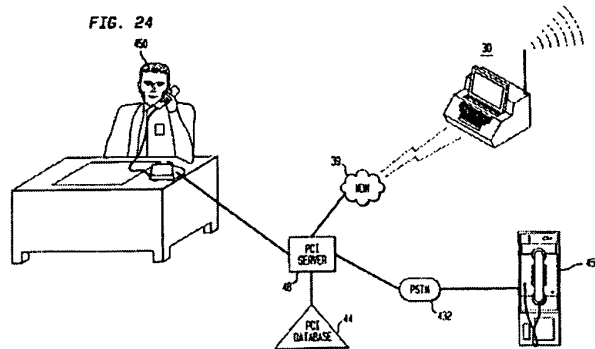
Again, Figure 3 shows a variety of communications equipment connected via wireless networks, a local exchange carrier personal communications network and a PCI database. However, Figure 3 does not show “receiving, at a session initiated protocol (SIP) server, a notice of a call for a mobile data processing 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:



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.

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, ll. 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.

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

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:

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, ll. 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

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.

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 disclose 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.

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.

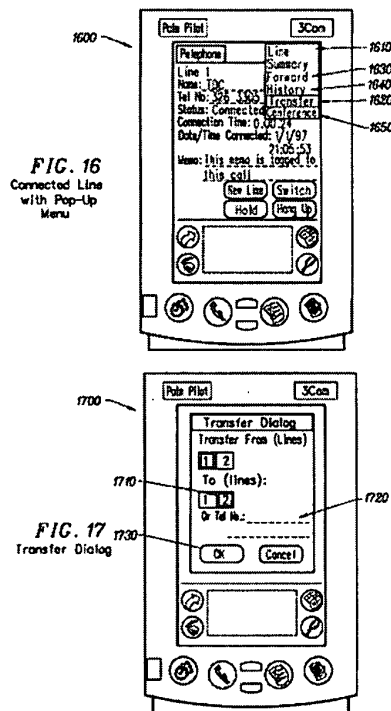
The office action asserts that claims 66 through 69 are rejected for the reasons given regarding the rejection of claims 52 through 60. However, as pointed out above, claims 52 through 60 are patentable over Wang and Pepe. Thus, claims 66 through 69 are also patentable over Wang and Pepe.

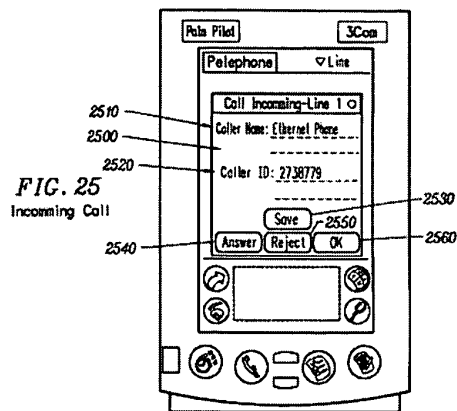
In addition, the office action misapprehends Wang in relation to claims 66 through 69. Wang does not show the limitations of claim 66, which provides as follows:

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:





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

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.

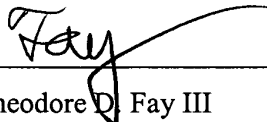
II. Conclusion

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

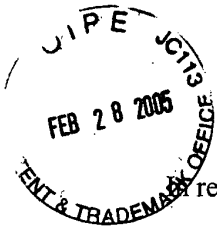
The office action is invited to call the undersigned at the below-listed telephone number if in the opinion of the office action such a telephone conference would expedite or aid the prosecution and examination of this application.

DATE: February 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



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application: **Osterhout et al.**

Serial No.: **10/199,797**

Filed: **July 19, 2002**

For: **Portable Call Management System**

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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

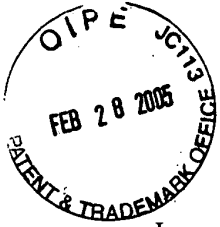
Sir:

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,

Theodore D. Fay III
Theodore D. Fay III
Registration. No. 48,504
Duke W. Yee
Registration No. 34,285
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ATTORNEYS FOR APPLICANTS

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



2685

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

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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.

By: Carrie Parker
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 D. Fay III
Theodore D. Fay III
Reg. No. 48,504
Duke W. Yee
Registration No. 34,285
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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

33

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 10/20/2004
DUKE W. YEE
YEE & ASSOCIATES, P.C.
P.O. BOX 802333
DALLAS, TX 75380

EXAMINER NGUYEN, THUAN T

ART UNIT	PAPER NUMBER
2685	14

DATE MAILED: 10/20/2004

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

Office Action Summary

Application No.

10/199,797

Applicant(s)

OSTERHOUT ET AL.

Examiner

THUAN T. NGUYEN

Art Unit

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

- 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 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 _____ 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)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

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 negated 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

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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 pre-amended; 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 address 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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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 disclose 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

Conclusion

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

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

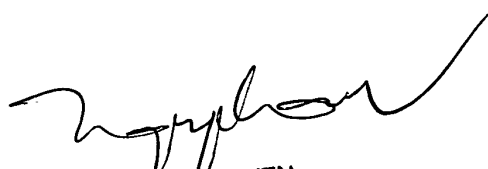
(703) 872-9306, (for Technology Center 2600 only)

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**.



**TONY T. NGUYEN
PATENT EXAMINER**

Tony T. Nguyen
Art Unit 2685
October 12, 2004

#130
9/21/04
at



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**

§ 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
§ June 10, 2004.
§
§ By: Carrie Parker
§ Carrie Parker

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JUN 21 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:

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;

① 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:

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.

D

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: 6-10-04

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



RCE/2685

\$ #12
9/27/04
DH

PTO/SB/30 (09-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Request for Continued Examination (RCE) Transmittal Address to: Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	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.

i. Consider the arguments in the Appeal Brief or Rely Brief previously filed on _____

ii. Other _____

b. Enclosed

i. Amendment/Reply

ii. Affidavit(s)/ Declaration(s)

iii. Information Disclosure Statement (IDS)

iv. Other Preliminary Amendment

2. **Miscellaneous**

a. Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

b. Other _____

3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed. The Director is hereby authorized to charge the following fees, or credit any overpayments, to _____

a. Deposit Account No. 50-3157

i. RCE fee required under 37 CFR 1.17(e)

ii. Extension of time fee (37 CFR 1.136 and 1.17)

iii. Other _____

b. Check in the amount of \$ _____ enclosed

c. Payment by credit card (Form PTO-2038 enclosed)

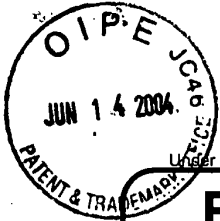
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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JUN 21 2004
Technology Center 2600

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED			
Name (Print/Type)	Duke W. Yee	Registration No. (Attorney/Agent)	34,285
Signature	<i>Duke W. Yee</i>	Date	June 10, 2004

CERTIFICATE OF MAILING OR TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.			
Name (Print/Type)	Carrie Parker	Date	June 10, 2004
Signature	<i>Carrie Parker</i>		

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 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: 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.



PTO/SB/17 (10-03)
 Approved for use through 07/31/2006. OMB 0651-0032
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 770.00

Complete if Known

Application Number	10/199,797
Filing Date	07/19/2002
First Named Inventor	Osterhout et al.
Examiner Name	Nguyen, Thuan T.
Art Unit	2685
Attorney Docket No.	11032RRUS04D/RCE

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JUN 21 2004

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METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																															
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: <u>Yee & Associates, P.C.</u> Deposit Account Name: <u>50-3157</u>		3. 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SUBMITTED BY		<i>(Complete if applicable)</i>	
Name (Print/Type)	Duke W. Yee	Registration No. (Attorney/Agent)	34,285
Telephone	972-367-2001	Date	June 10, 2004
Signature	<i>Duke W. Yee</i>		

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.

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In re application: **Osterhout et al.**

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Serial No.: **10/199,797**

Group Art Unit: **2685**

Filed: **July 19, 2002**

Examiner: **Nguyen, Thuan T.**

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.

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;

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;

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. 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 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).

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

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 processing 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 connected line screen 1500, 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

the connected line screen 1500 so that the user can switch from one active call to another active call.

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).

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:

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.

II. 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.

DATE: _____

5.10.04

Respectfully submitted,



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Main No. (972) 367-2001
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OFFICIAL

Facsimile Cover Sheet

<p>To: Commissioner for Patents for Examiner Thuan T. Nguyen Group Art Unit 2685</p>	<p>Facsimile No.: 703/872-9306</p>
<p>From: Carrie Parker Legal Assistant to Patrick C. R. Holmes</p>	<p>No. of Pages Including Cover Sheet: 13</p>
<p>Message:</p> <p>Enclosed herewith:</p> <ul style="list-style-type: none"> • Transmittal Document; and • Response to Final Office Action. 	
<p>Re: Application No. 10/199,797 Attorney Docket No: 11032RRUS04D</p>	
<p>Date: Monday, May 10, 2004</p>	
<p>Please contact us at (972) 367-2001 if you do not receive all pages indicated above or experience any difficulty in receiving this facsimile.</p>	<p><i>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.</i></p>

**PLEASE CONFIRM RECEIPT OF THIS TRANSMISSION
BY FAXING A CONFIRMATION TO 972-367-2008.**

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

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Group Art Unit: 2685

Examiner: Nguyen, Thuan T.

Attorney Docket No.: 11032RRUS04D

35527
PATENT TRADEMARK OFFICE
CUSTOMER NUMBER

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

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,

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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	EXAMINER	
DUKE W. YEE CARSTENS, YEE & CAHOON, L.L.P. P.O. BOX 802334 DALLAS, TX 75380			NGUYEN, THUAN T	
			ART UNIT	PAPER NUMBER
			2685	

DATE MAILED: 03/10/2004

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

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

- 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 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:
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) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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.

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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).

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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).

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 negated 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 disclose 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.

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).

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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)

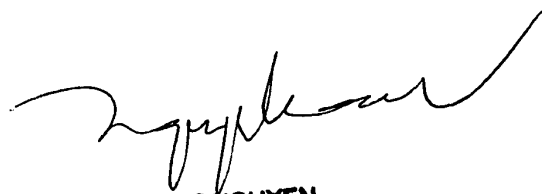
*Hand-delivered responses should be brought to Crystal Park II,
2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).*

Art Unit: 2685

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**.



TONY T. NGUYEN
PATENT EXAMINER, FSA

Tony T. Nguyen
Art Unit 2685
March 3, 2004



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**

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Group Art Unit: **2685**

Examiner: **Nguyen, Thuan T.**

Attorney Docket No.: **11032RRUS04D**

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OK

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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
Michele Morrow

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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. 50-0392. 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.

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, prior to establishing the call, a response to the request, wherein the response includes [[an]]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. (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:

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:

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:

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-

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

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).

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).

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.

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.

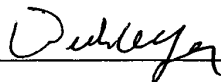
Claims 60-62 are dependent on claim 56, and thus, these claims distinguish over Wang for at least the reasons noted above with regard to claim 56. Moreover, the alleged knowledge of a data processing systems being wireless or a two-way pager and presenting caller information using a vibrating alert would 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).

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: 12/17/05



Duke W. Yee
Reg. No. 34,285

Stephen J. Walder, Jr.
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Carstens, Yee & Cahoon, LLP
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SJW/fl



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**

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§
§

Group Art Unit: **2685**

Examiner: **Nguyen, Thuan T.**

Attorney Docket No.: **11032RRUS04D**

*8/19/03
Add
1-504
OK*

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

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DEC 29 2003

Technology Center 2600

Please direct telephone calls to:

(972) 367-2001

Duke W. Yee

Duke W. Yee
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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

2685



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)
§ I hereby certify this correspondence is being deposited with the
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By: Michele Morrow
Michele Morrow

TRANSMITTAL DOCUMENT

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

DEC 29 2003

Technology Center 2600

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,

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UNITED STATES PATENT AND TRADEMARK OFFICE

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Alexandria, Virginia 22313-1450
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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

21498 7590 09/17/2003

NORTEL NETWORKS CORPORATION
INTELLECTUAL PROPERTY LAW GROUP
P O BOX 832130
RICHARDSON, TX 750832130

EXAMINER

NGUYEN, THUAN T

ART UNIT	PAPER NUMBER
2685	7

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**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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EXAMINER

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

See Attachments

Office Action Summary

Application No.

10/199,797

Applicant(s)

OSTERHOUT ET AL.

Examiner

THUAN T. NGUYEN

Art Unit

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 ____ 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 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 19 July 2002 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).
- 11) The proposed drawing correction filed on ____ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

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)-(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.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

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) Paper No(s) 4.
- 4) Interview Summary (PTO-413) Paper No(s). ____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other:

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

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 negated by the manner in which the invention was made.

Art Unit: 2685

4. Claims ⁶¹60-62 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 ⁶²60-62, Wang does not specifically disclose 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.

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

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

or faxed to:

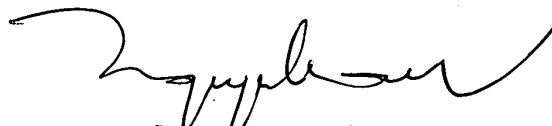
(703) 872-9314, (for Technology Center 2600 only)

*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 T. NGUYEN
PATENT EXAMINER**

Tony T. Nguyen
Art Unit 2685
September 5, 2003

Notice of References Cited	Application/Control No. 10/199,797	Applicant(s)/Patent Under Reexamination OSTERHOUT ET AL.	
	Examiner THUAN T. NGUYEN	Art Unit 2685	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,161,134	12-2000	Wang et al.	709/220
	B	US-6,421,536 B1	07-2002	Uranaka et al.	455/417
	C	US-2002/0118800 A1	08-2002	Martinez et al.	379/67.1
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*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.

Form PTO-1449 LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTORNEY DOCKET NO. 11032RRUS04D	SERIAL NO. Not Assigned
APPLICANT Osterhout et al.		FILING DATE July 19, 2002
		GROUP ART UNIT. 2684

1c715 U.S. PTO
 10/199797
 07/19/02

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION YES NO

OTHER PRIOR ART *(including author, title, date, pertinent page, etc.)*

8/6 8/4	AA	Handley et al., "SIP: Session Initiation Protocol; March 1999, pp. 1-134.
	AB	3Com Corporation, "Web Clipping Developer's Guide", Document Number 3009-001; Print Date 8/7/99, pp. 1-93.

RELATED PATENT APPLICATIONS

EXAMINER INITIAL	APPLICATION NO./ ATTY. DOCKET NO.	APPLICANT	TITLE	FILING DATE

DATE CONSIDERED **08/28/03** 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.**

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Group Art Unit: 2684

Serial No.: 10/199,797

Examiner: **Nguyen, Thuan T.**

Filed: **July 19, 2002**

Attorney Docket No.: **11032RRUS04D**

For: **Portable Call Management System**

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 November 8, 2002.

By:

Dell Whitton
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:

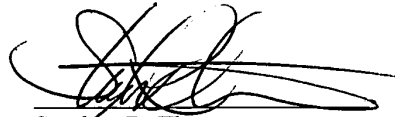
Please cancel claims 43-51.

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: Nov. 8, 2002

Respectfully submitted,



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Registration No. 46,430
CARSTENS YEE & CAHOON, LLP
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(972) 367-2001
AGENT FOR APPLICANTS



2684

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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NOV 15 2002

Technology Center 2600

In re application of: **Osterhout et al.**

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Group Art Unit: **2684**

Serial No.: **10/199,797**

Examiner: **Nguyen, Thuan T.**

Filed: **July 19, 2002**

Attorney Docket No.: **11032RRUS04D**

For: **Portable Call Management System**

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 November 8, 2002.

By: *Dell Whitton*
Dell Whitton

TRANSMITTAL DOCUMENT

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
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

COMMISSIONER FOR PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20540
www.uspto.gov

September 19, 2002

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

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

****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 me at (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

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§
§

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.

By:


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:

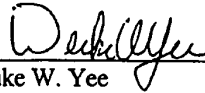
Please cancel claims 1-42 and 63-65.

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.
ATTORNEYS AND COUNSELORS

Duke W. Yee
Telephone: (972) 367-2001
Facsimile: (972) 367-2002
E-Mail: yee@cyclaw.com

21 Reg 800 Refund
13760 Noel Road
Suite 900
Dallas, Texas 75240
09-13-02

Mailing Address
Post Office Box 802334
Dallas, Texas 75380

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:

<u>Date</u>	<u>Control No.</u>	<u>Description</u>	<u>Docket No.</u>	<u>Fee Code</u>	<u>Charges</u>
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. Yee

DWY/kdd
Enclosure

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2002</h2> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision.</p>	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
TOTAL AMOUNT OF PAYMENT	(\$)	740.00
Attorney Docket No.	11032RRUS04D	

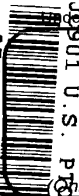
METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																																																																																								
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number: <u>50-0392</u></p> <p>Deposit Account Name: <u>Carstens, Yee & Cahoon</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. ADDITIONAL FEES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity (\$)</th> <th>Small Entity (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - 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SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Duke W. Yee	Registration No. (Attorney/Agent)	34,285
Signature		Telephone	(972) 367-2001
		Date	07/19/2002

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.

Burden Hour Statement: This form is estimated to take 0.2 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, Washington, DC 20231.**

07/19/02



USPTO U.S. P.

07-22-02

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0657-0032

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

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A

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.	11032RRUS04D
First Inventor	Osterhout et al.
Title	Portable Call Management System
Express Mail Label No.	EV082028113US

Only for new nonprovisional applications under 37 CFR 1.53(b)

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- 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 *(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
 - Drawing(s) (35 U.S.C. 113) [Total Sheets - Oath or Declaration [Total Pages - Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
 - DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
- Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*
- Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
 - Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - CD-ROM or CD-R (2 copies); or
 - paper
 - Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement Power of Attorney *(when there is an assignee)*
- English Translation Document *(if applicable)*
- Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
- Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
- Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- Other:

Jc715 U.S. PTO
10/19/02
07/19/02

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:

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 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

(insert Customer No. or Attach bar code label here)

Name					
Address					
City	State	Zip Code			
Country	Telephone	Fax			

Name (Print/Type)	Duke W. Yee	Registration No. (Attorney/Agent)	34,285
Signature	<i>Duke W. Yee</i>	Date	07/19/2002

Burden Hour Statement: This form is estimated to take 0.9 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.

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<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2002</h2> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision.</p>	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
TOTAL AMOUNT OF PAYMENT	(\$)	740.00
Attorney Docket No.	11032RRUS04D	

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																																																																																														
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number: <u>50-0392</u></p> <p>Deposit Account Name: <u>Carstens, Yee & Cahoon</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. 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SUBMITTED BY		Complete (if applicable)	
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Signature			

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Osterhout et al.**

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Group Art Unit: **2684**

Serial No.: **Not Assigned**

Examiner: **Nguyen, Thuan T.**

Filed: **July 19, 2002**


Attorney Docket No.: **11032RRUS04D**

For: **Portable Call Management System**

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

By


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.

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PORTABLE CALL MANAGEMENT SYSTEM5 **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.

10 **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
15 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
20 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
25 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
30 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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SUMMARY OF THE INVENTION

The present invention solves the problem of preventing a called party from
5 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
10 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
15 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
20 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
25 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

5 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:

10 **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;

15 **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;

20 **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;

25 **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;

30 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

5

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
5 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.

10 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**
15 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,
20 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
25 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**.

30 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
5 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)
10 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
15 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.

20 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
25 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**.
30 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
5 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
10 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
15 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
20 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
25 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.

30 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
5 Proxy **160**, which then forwards the HTML registration request to SIP User Agent **172**. SIP User Agent **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
10 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
15 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
20 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
25 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,
30 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 missed 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 5 418, 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 10 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 15 **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 20 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 25 **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 30 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
5 **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
10 **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**).

15 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**
20 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
25 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
30 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.

5 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
10 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
15 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
20 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.

25 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
30 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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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
5 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
10 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
15 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
20 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
25 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
30 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 than 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
2 and the new address corresponds to a video display terminal.

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- 1 17. A system of redirecting a call from a data processing system to another
2 address, comprising:
3 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:
2 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:
3 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:
2 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
2 comprising:
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 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.

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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
5 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
5 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
10 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
5 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
10 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
15 initiation protocol.
69. The method as recited in claim 66, wherein the second protocol is a hypertext
markup language.

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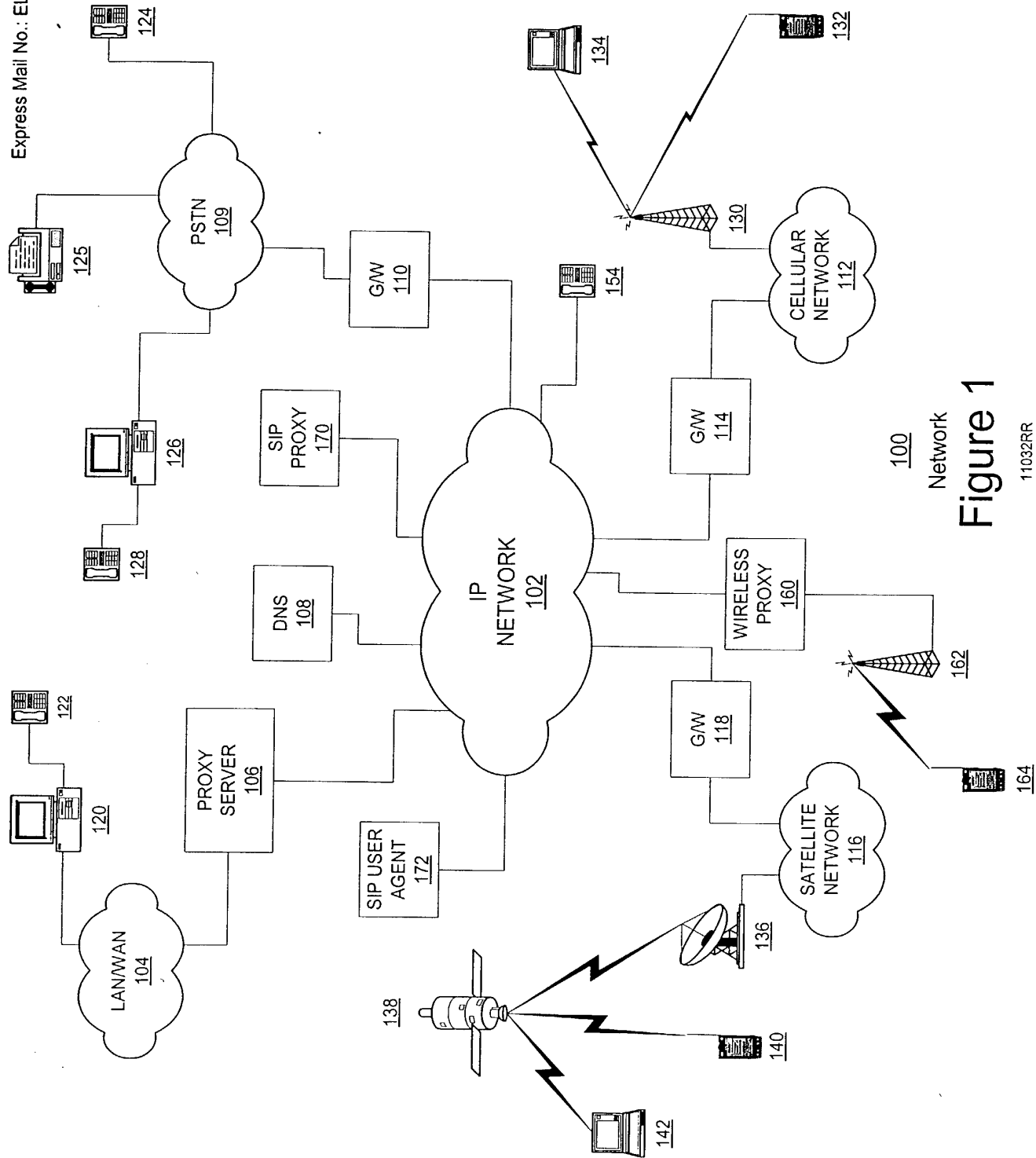
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ABSTRACT OF THE DISCLOSURE

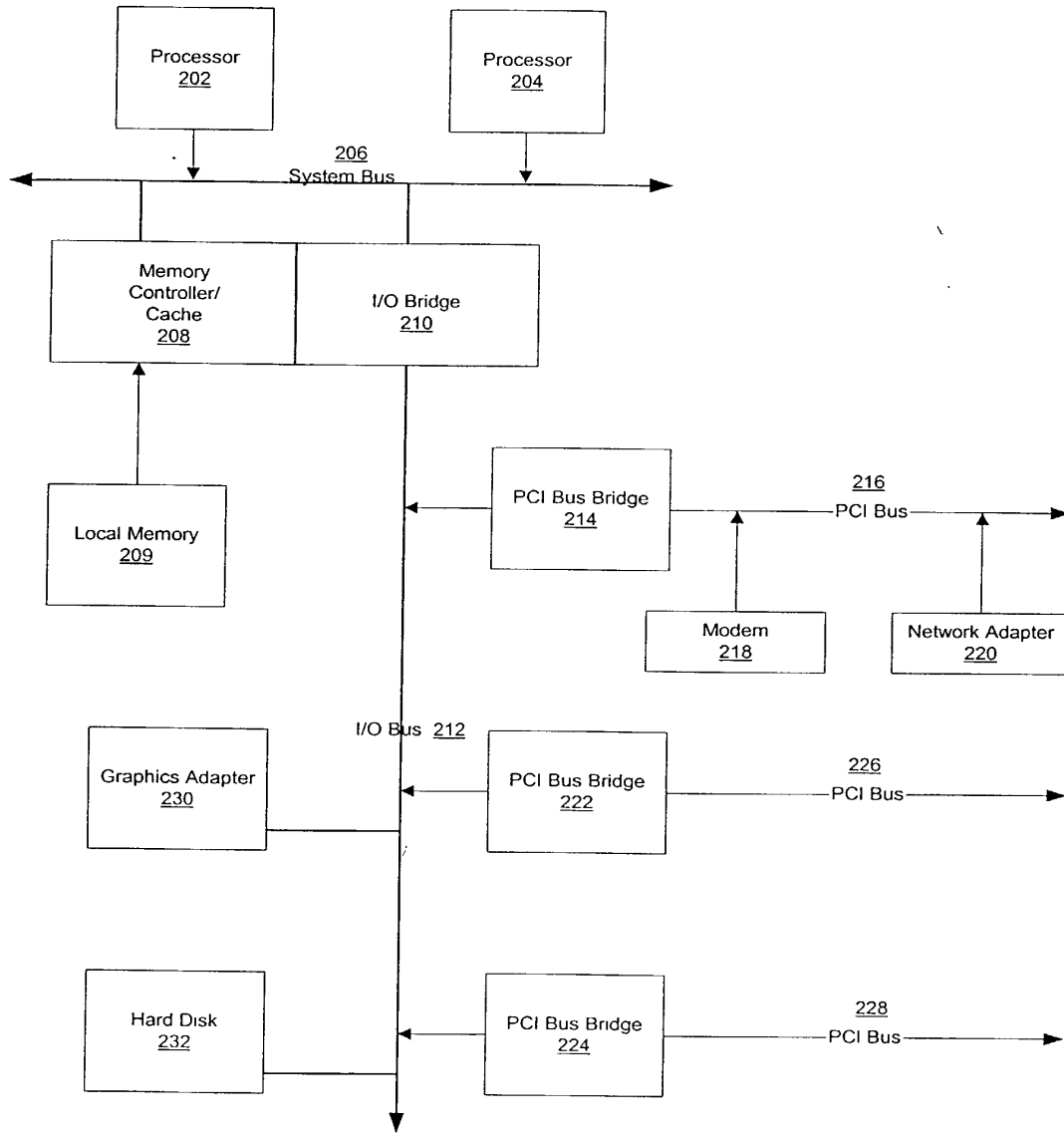
PORTABLE CALL MANAGEMENT SYSTEM

5 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
10 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.



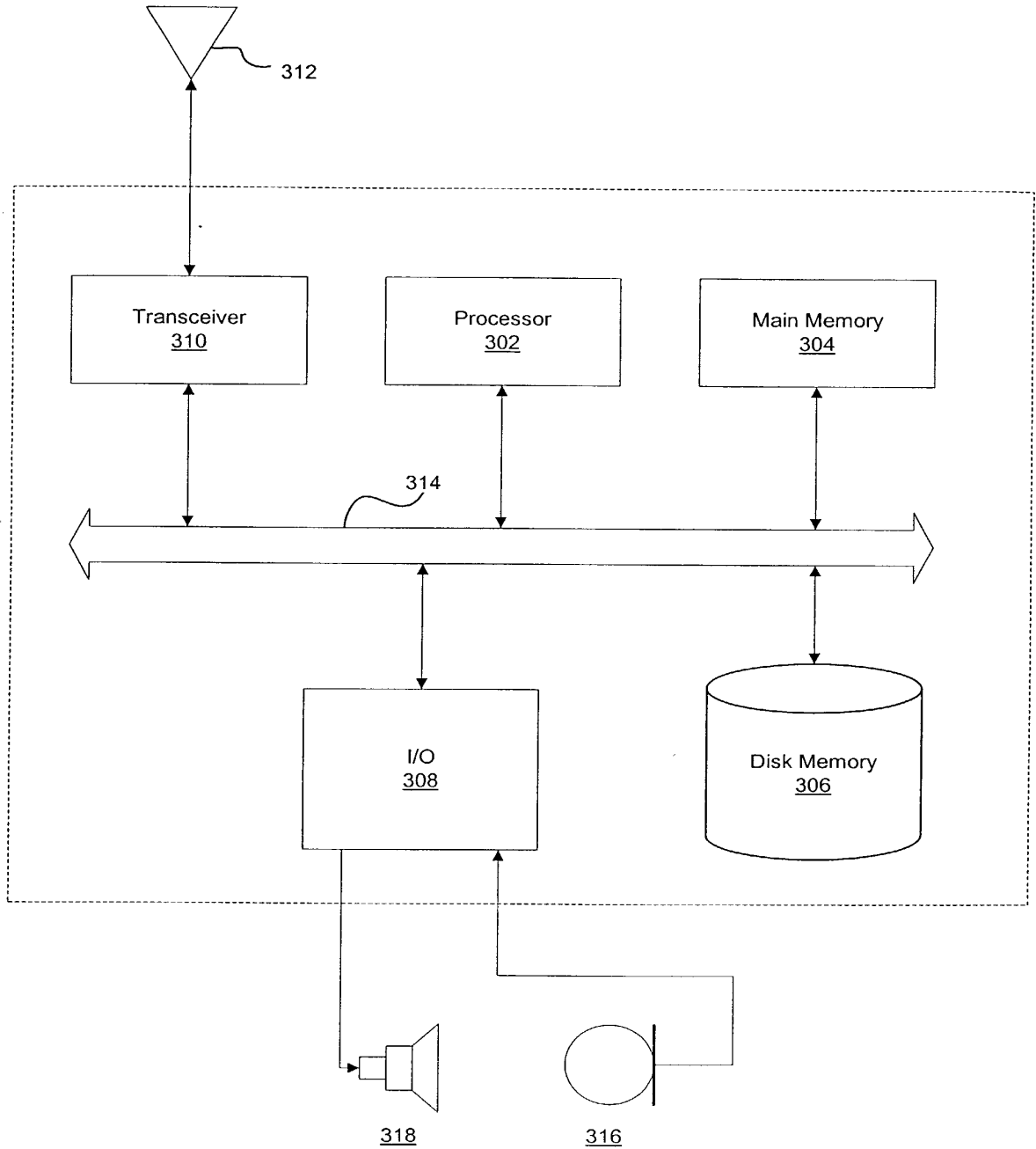
100 Network
Figure 1

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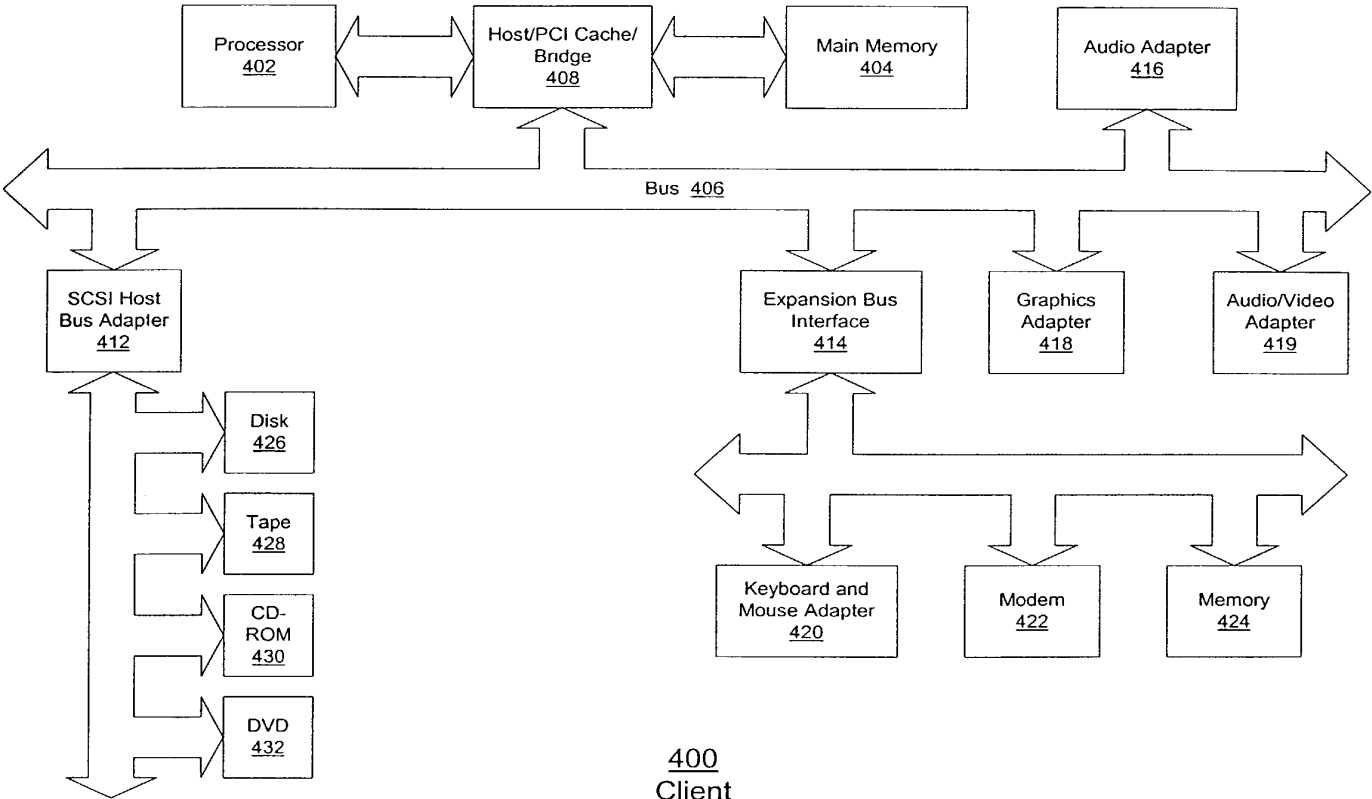


200
Server
Figure 2
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300
Figure 3
11032RR



400
Client
Figure 4
11032RR

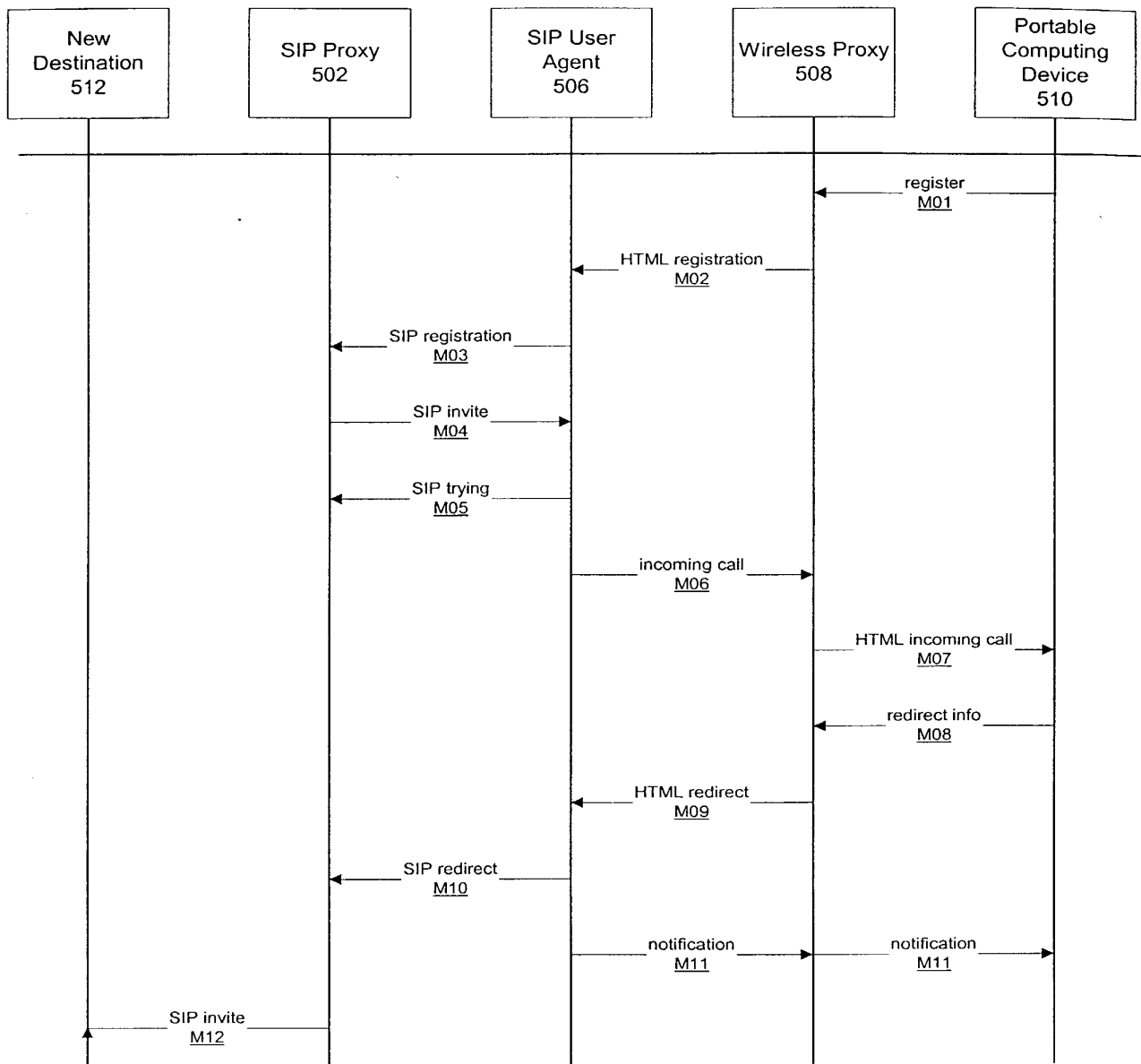


Figure 5

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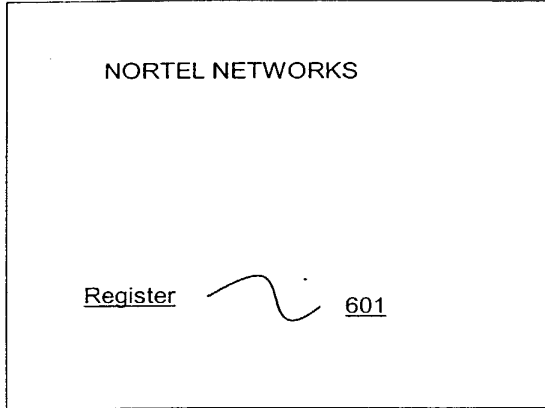


Figure 6A

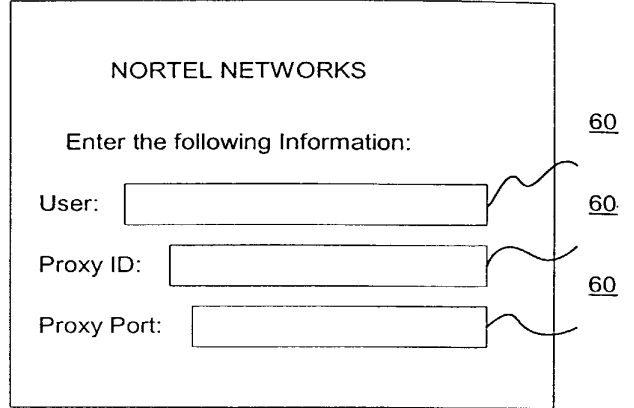


Figure 6B

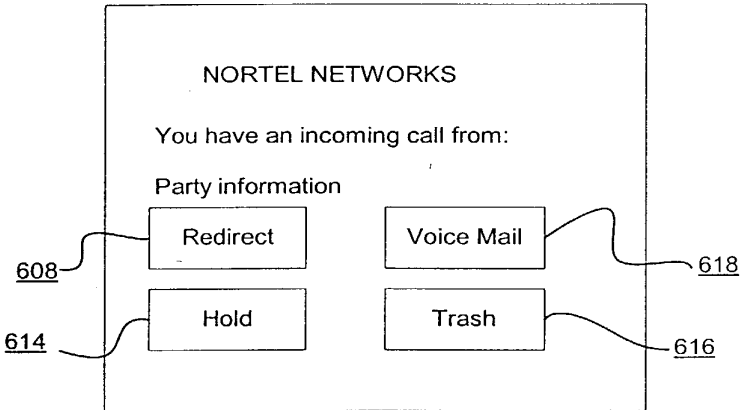


Figure 6C

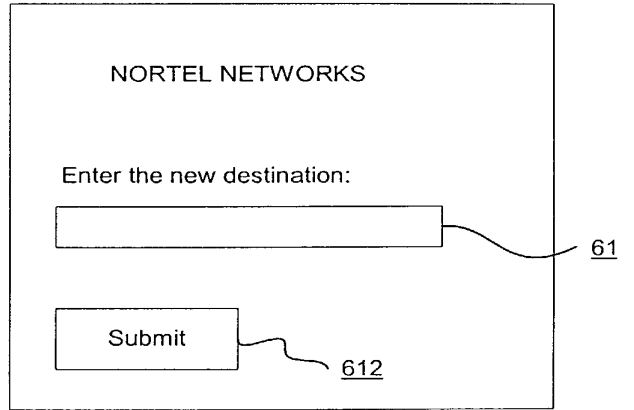


Figure 6D

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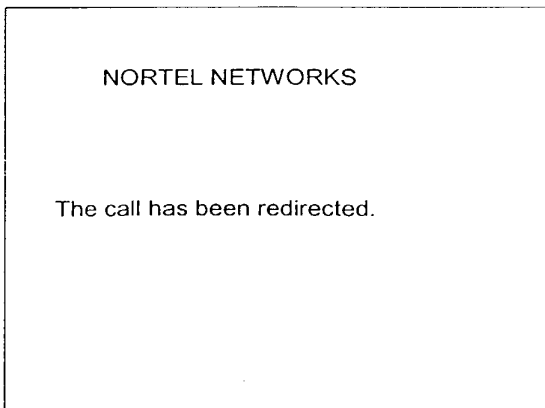


Figure 6E

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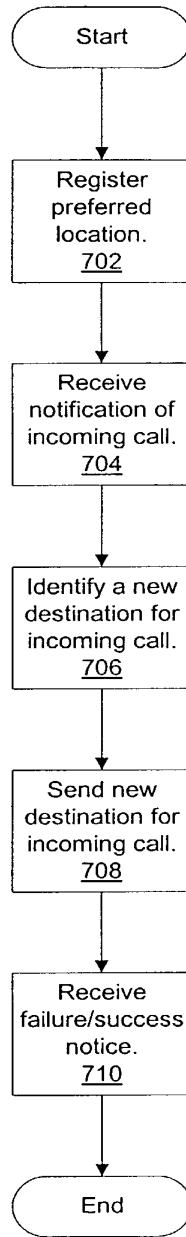


Figure 7
11032RR

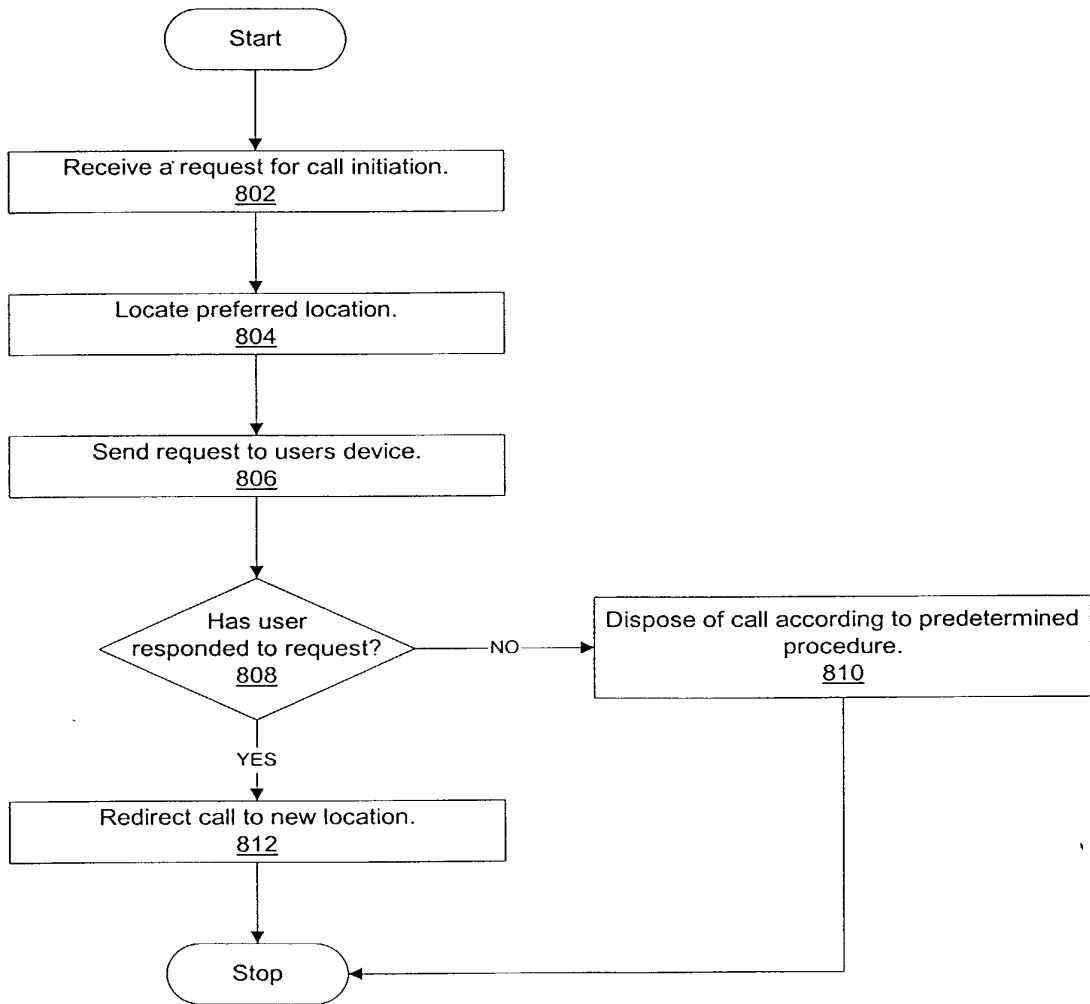


Figure 8

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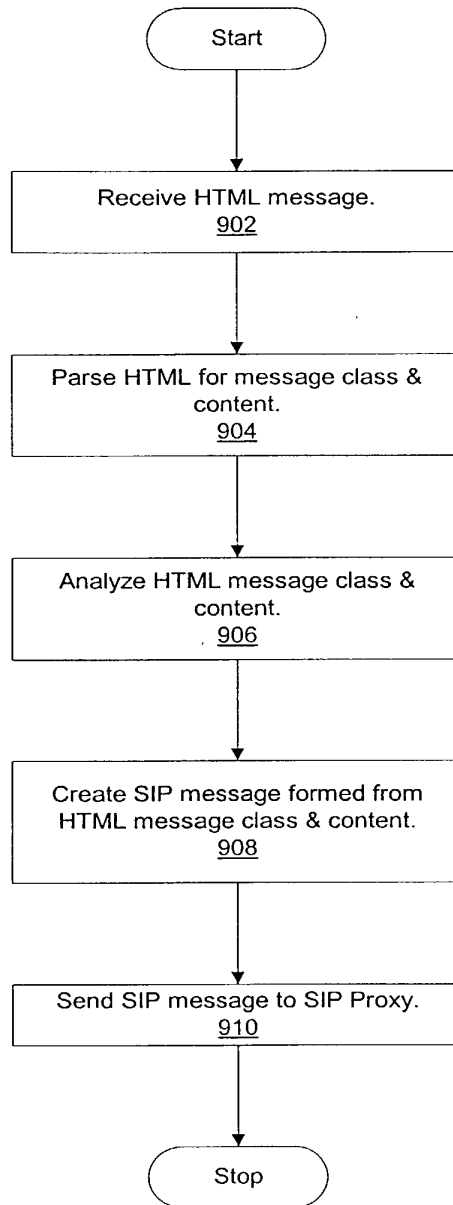


Figure 9

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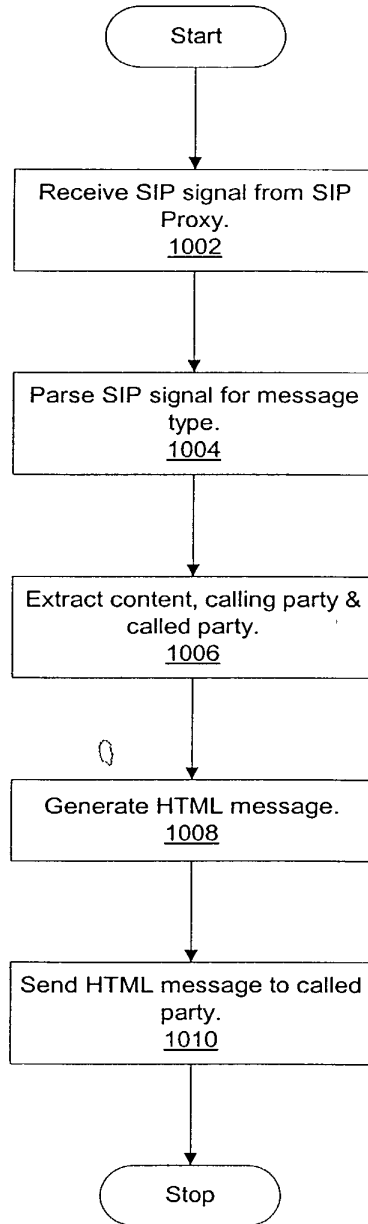


Figure 10

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**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)

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.

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.

3 1 3 4 0 5 2 5 2 7 4 1 2 1 1 4 5 6 2

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 488/05/B10; Richardson, Texas 75083-3858 and direct all telephone calls to John D. Crane, telephone. (972) 695-8442.

=====

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INVENTOR'S SIGNATURE: _____

DATE:

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CITIZENSHIP: United States

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**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)

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:

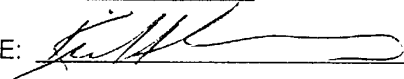
RESIDENCE: 313 Falcon Court, Coppell, TX 75019

COUNTY: Dallas

CITIZENSHIP: United States

POST OFFICE ADDRESS: Same As Above

(2) FULL NAME OF INVENTOR: **Kim B. Holmes**

INVENTOR'S SIGNATURE: 

DATE: 11/17/99.

RESIDENCE: 5409 Scenic Drive, Rowlett, TX 75088

COUNTY: Rockwall

CITIZENSHIP: Canada

POST OFFICE ADDRESS: Same As Above



(3) FULL NAME OF INVENTOR: **Mark Sosebee**

INVENTOR'S SIGNATURE: Mark Sosebee

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RESIDENCE: 920 Goodwin Drive, Plano, TX 75023

COUNTY: Collin

CITIZENSHIP: United States

POST OFFICE ADDRESS: Same As Above

10/1999
07/19/02

P

PATENT NUMBER and
ISSUE DATE

U.S. UTILITY Patent Application

T-55/503

APPL NUM	FILING DATE	CLASS	SUBCLASS	GAU	EXAMINER
10199797	07/19/2002	455	417	2625	Nguyen, T

****APPLICANTS:** Osterhout Gregory; Holmes Kim; Gosabee Mark;

****CONTINUING DATA VERIFIED:**
This application is a DIV of 09/419,175 10/15/1999
T. Nguyen

**** FOREIGN APPLICATIONS VERIFIED:**

PG-PUB	DO NOT PUBLISH <input type="checkbox"/>	RESCIND <input type="checkbox"/>	
Foreign priority claimed	<input type="checkbox"/> yes <input type="checkbox"/> no	ATTORNEY DOCKET NO	
35 USC 119 conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no	11032RRUS04D	
Verified and Acknowledged Examiners's initials			
TITLE : Portable coil management system			

U.S. DEPT. OF COMM/PAT & TM PTO 4351 (Rev. 12-94)

NOTICE OF ALLOWANCE MAILED		CLAIMS ALLOWED		
		Assistant Examiner		Total Claims
				Print Claim for O.G.
ISSUE FEE		DRAWING		
Amount Due	Date Paid	Sheet Drawg.	Figs. Drawg.	Print Fig.
		Application Examiner		
<input type="checkbox"/> TERMINAL DISCLAIMER		PREPARED FOR ISSUE		
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(Attached in pocket on right inside flap)

SEARCH

Class	Sub.	Date	Exmr.
455	417	9/2/03	805
	412.1		
	412.2		
	414.1		
	415		
	425		
	458		
	459		
	463		
	466		
	556.1		
	556.2		
	(IDA)		
709	217	9/3/03	875
	219		
	220		
	227		
340	3.52		
	3.53		
	3.54		
	825.29		
	7.46		
	7.47		
	7.52		
	Updated since 10/4/04		876

INTERFERENCE SEARCHED

Class	Sub.	Date	Exmr.

SEARCH NOTES

(List databases searched. Attach search strategy inside.)

	Date	Exmr.
Fast search	9/2/03	806
" -	9/3/03	876
Wagner No	9/3/03	878
Fast search	10/4/04	876
" -	12/04	876

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07/19/02

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.	11032RRUS04D
First Inventor	Osterhout et al.
Title	Portable Call Management System
Express Mail Label No.	EV082028113US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- 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
- Drawing(s) (35 U.S.C. 113) [Total Sheets 10]
- Oath or Declaration [Total Pages 6]
 - Newly executed (original or copy)
 - Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)
 - DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - CD-ROM or CD-R (2 copies); or
 - paper
 - Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement of Power of Attorney (when there is an assignee)
- English Translation Document (if applicable)
- Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- Certified Copy of Priority Document(s) (if foreign priority is claimed)
- Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- 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:

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 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 **021498** (Insert Customer No. or Attach bar code label here) or Correspondence address below

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Country: _____ Telephone: _____ Fax: _____

Name (Print/Type)	Duke W. Yee	Registration No. (Attorney/Agent)	34,285
Signature	<i>D. Yee</i>	Date	07/19/2002

Burden Hour Statement: This form is estimated to take 0.5 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.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

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

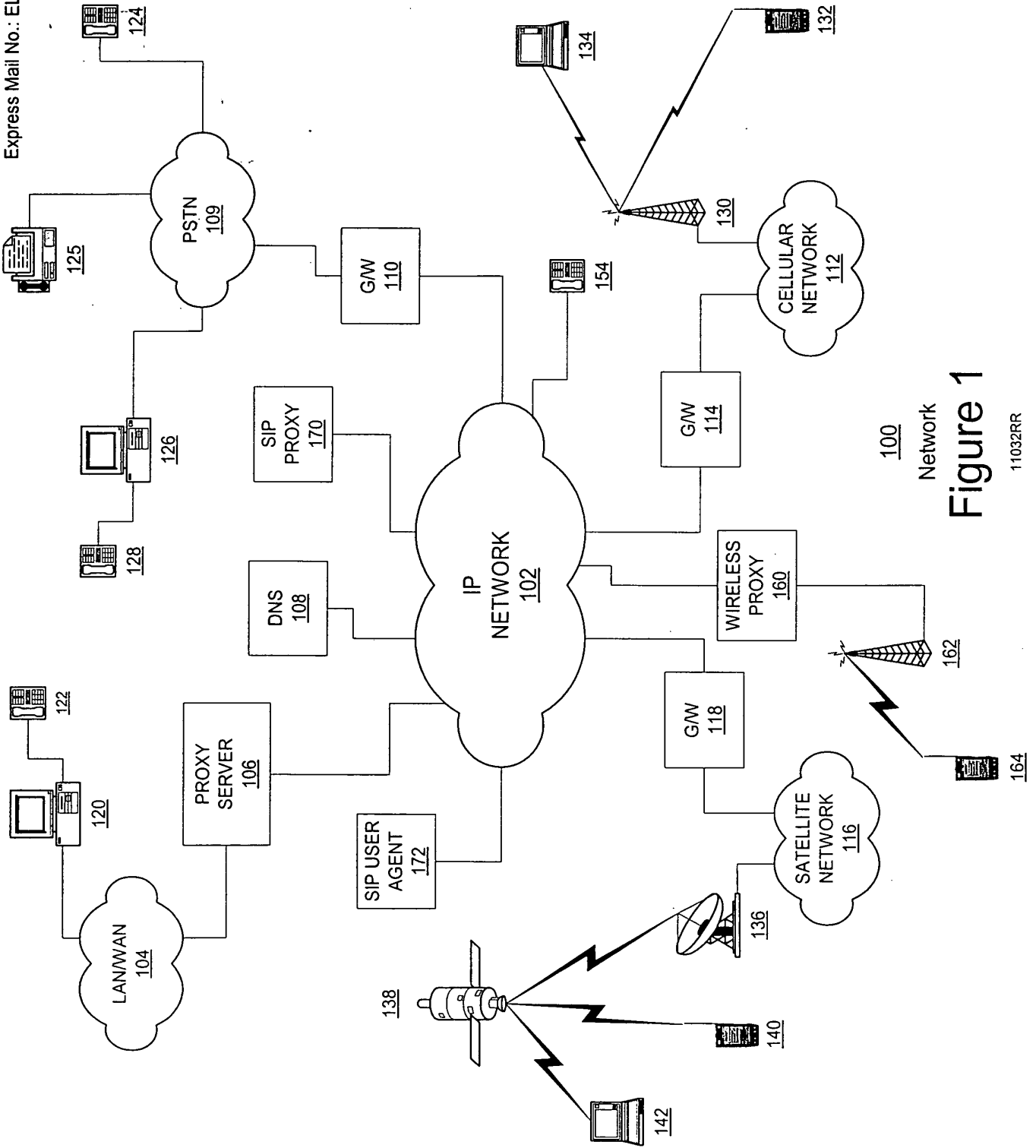
TOTAL AMOUNT OF PAYMENT (\$) 740.00

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																																																																																																																					
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number: <input type="text" value="50-0392"/> Deposit Account Name: <input type="text" value="Carstens, Yee & Cahoon"/></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>		<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity (\$)</th> <th>Small Entity Code</th> <th>Small Entity (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - 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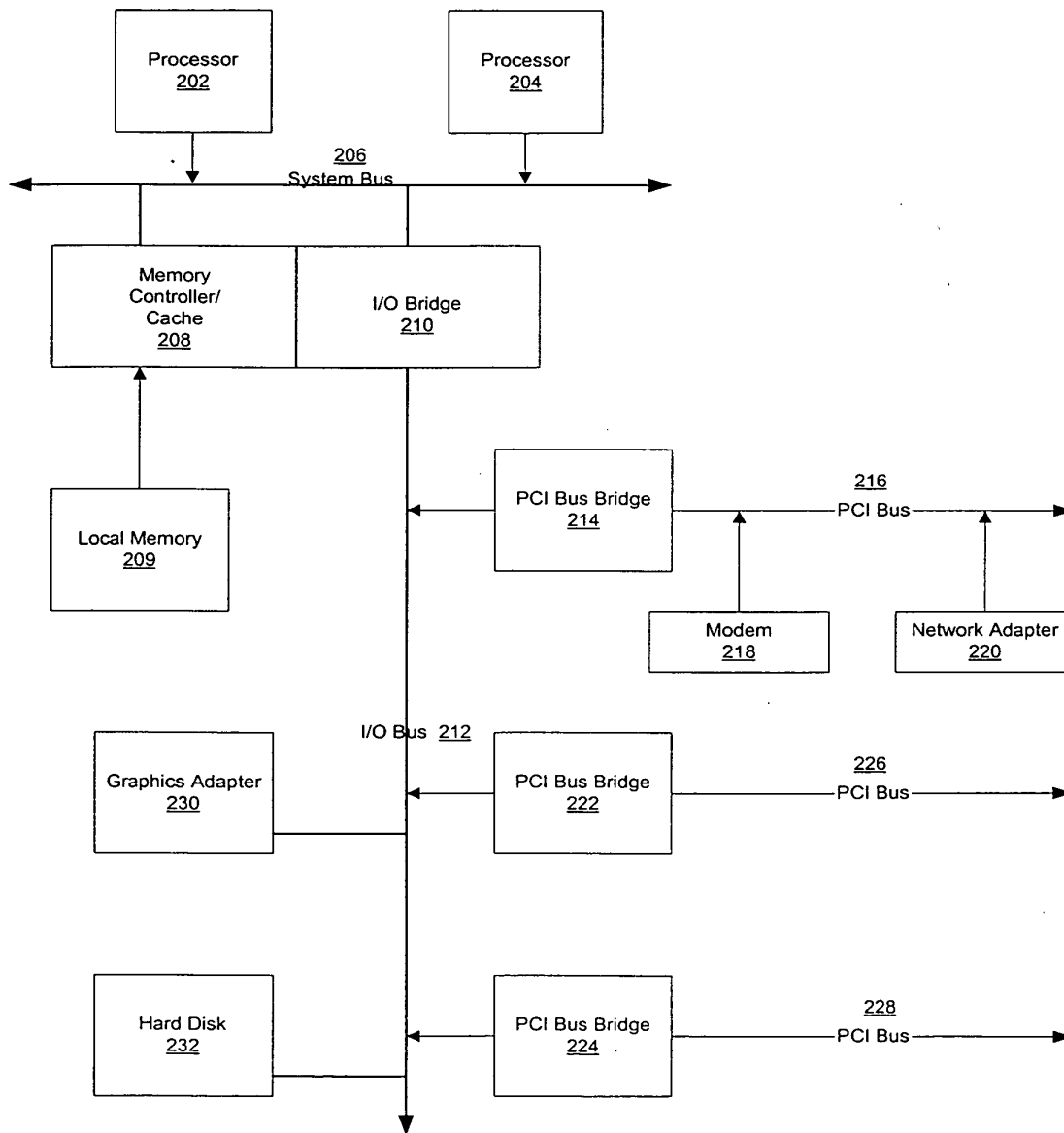
SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Duke W. Yee	Registration No. (Attorney/Agent)	34,285
Signature		Telephone	(972) 367-2001
		Date	07/19/2002

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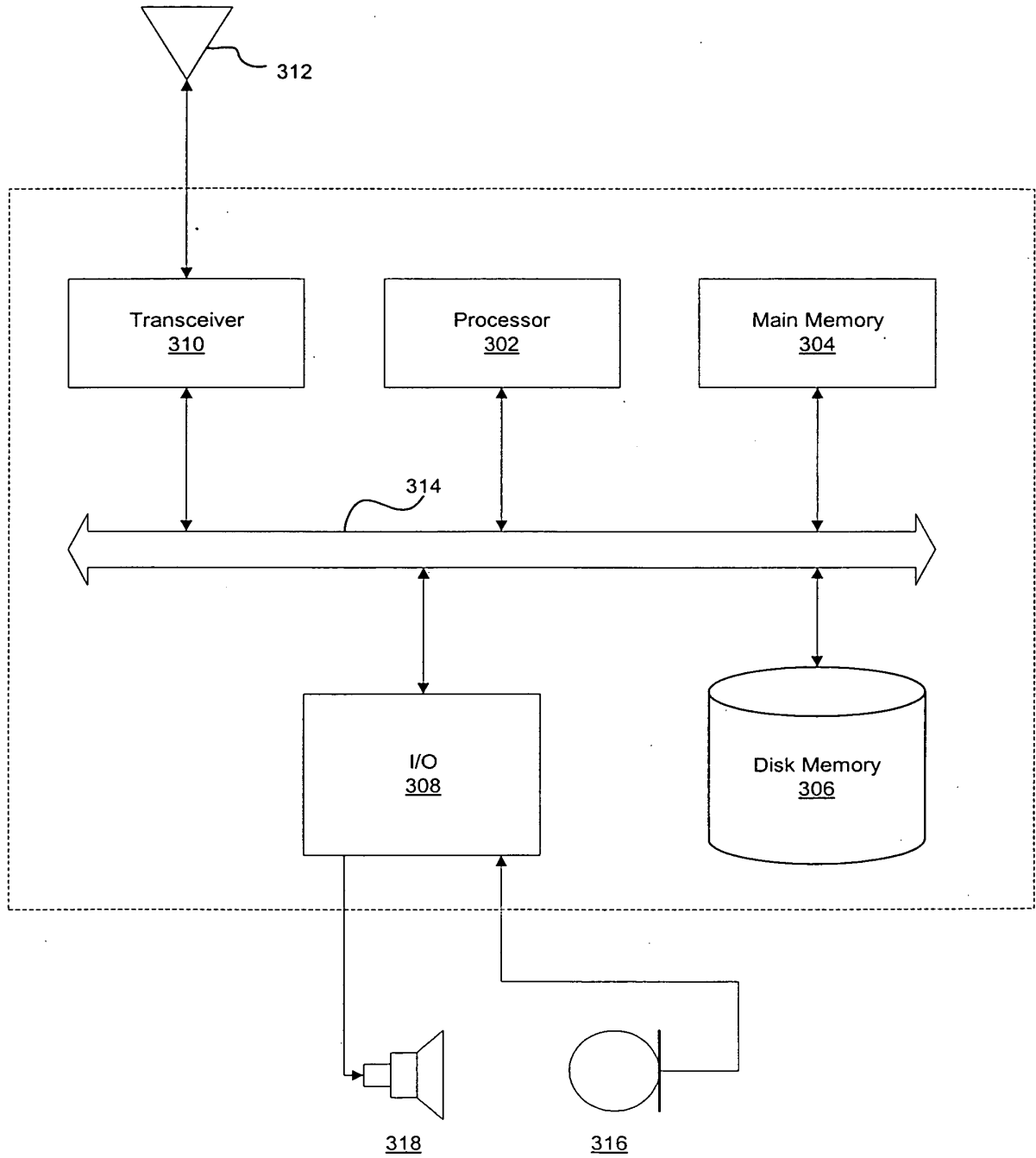


100 Network
Figure 1
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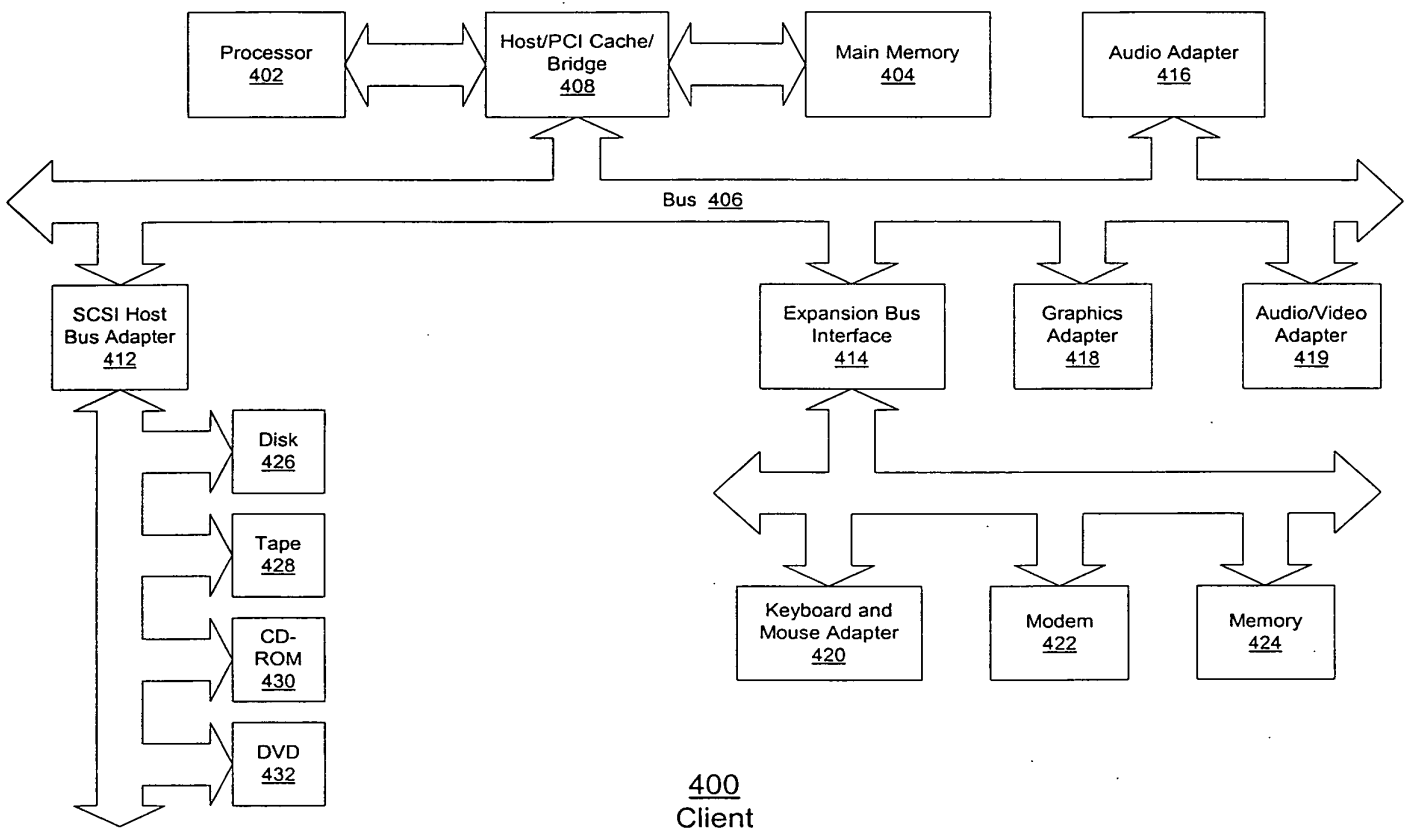


200
Server
Figure 2

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300
Figure 3
11032RR



400
Client
Figure 4
11032RR

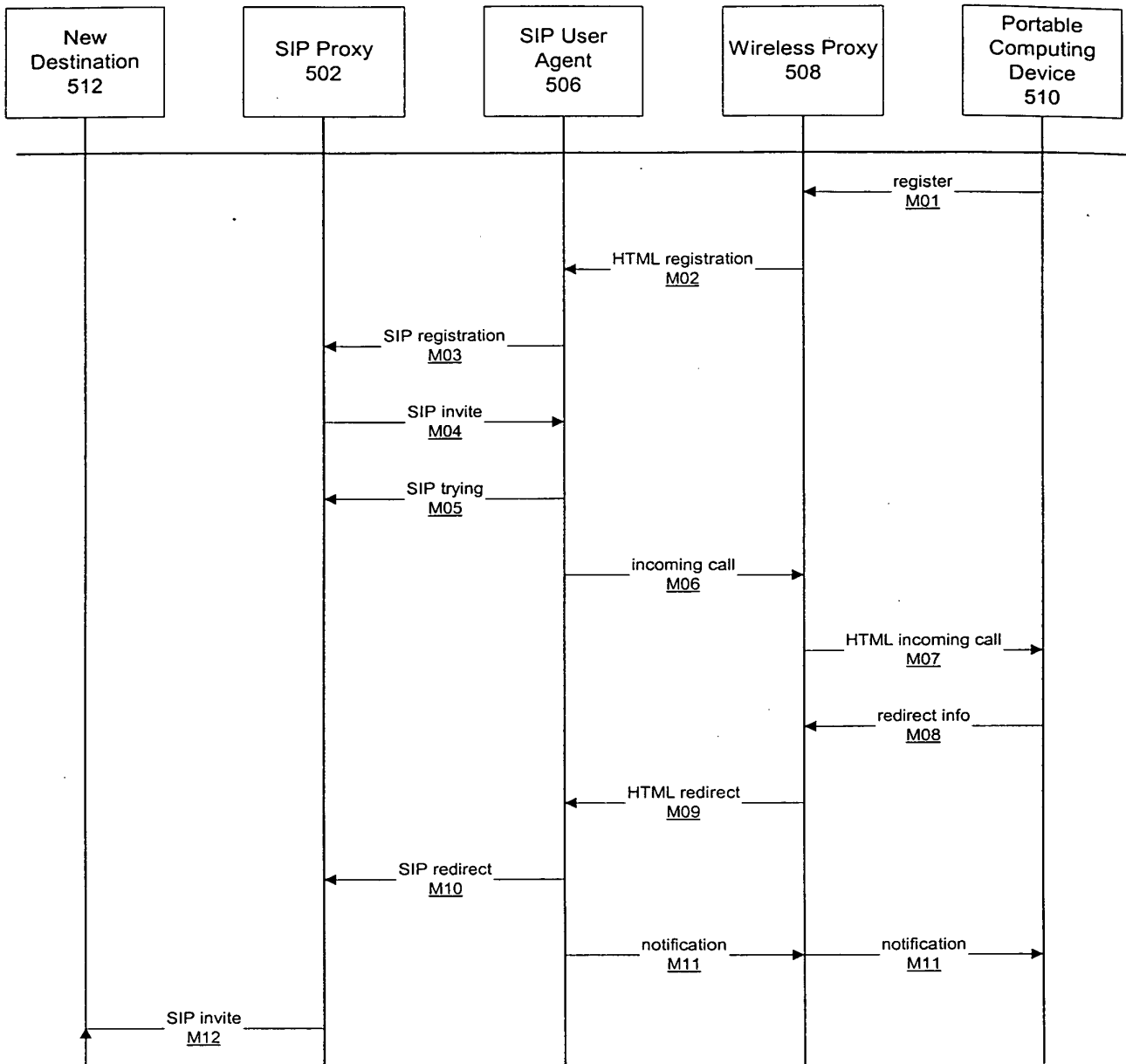


Figure 5

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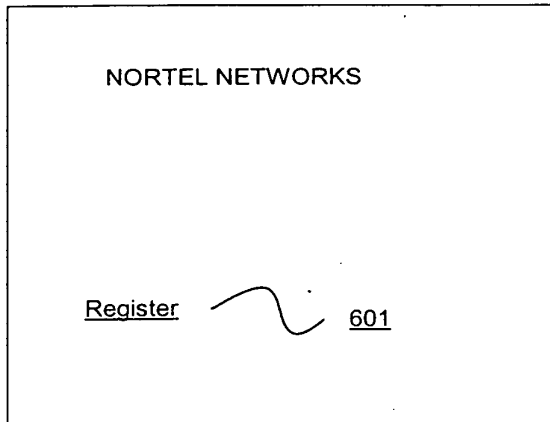


Figure 6A

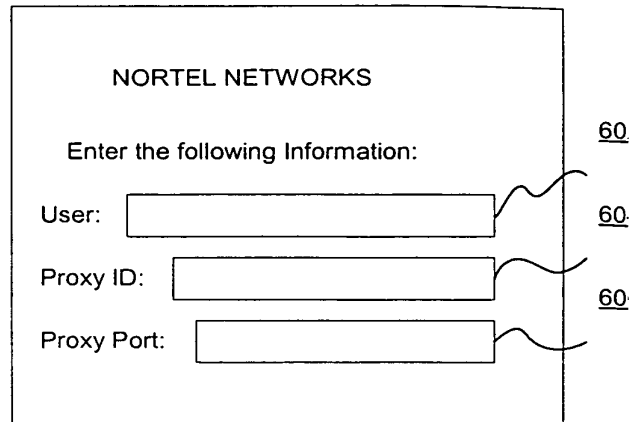


Figure 6B

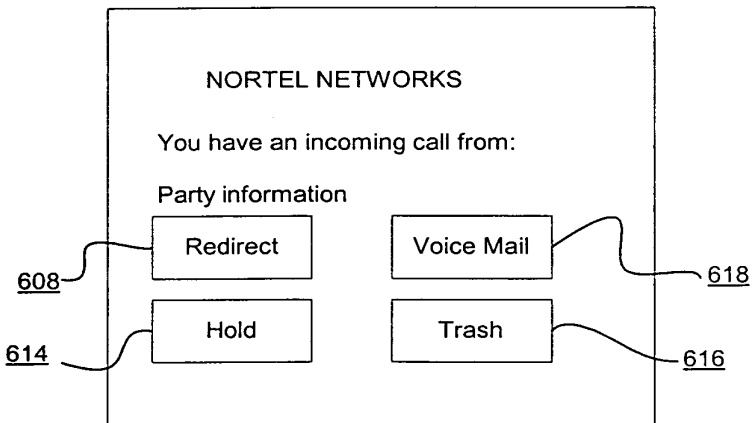


Figure 6C

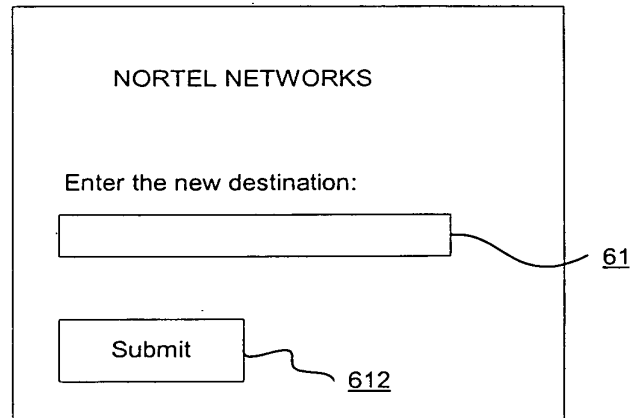


Figure 6D

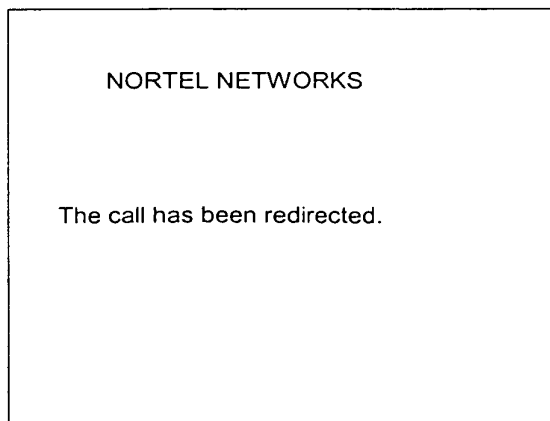


Figure 6E

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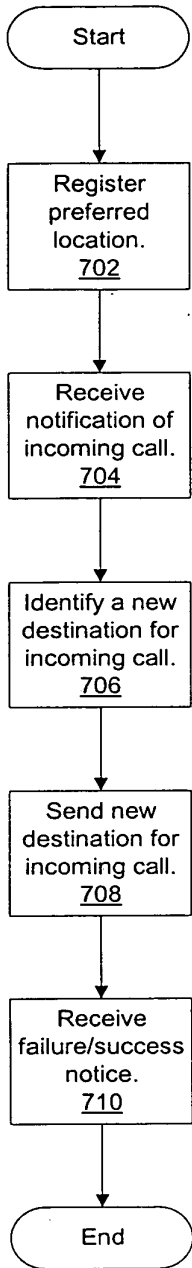


Figure 7
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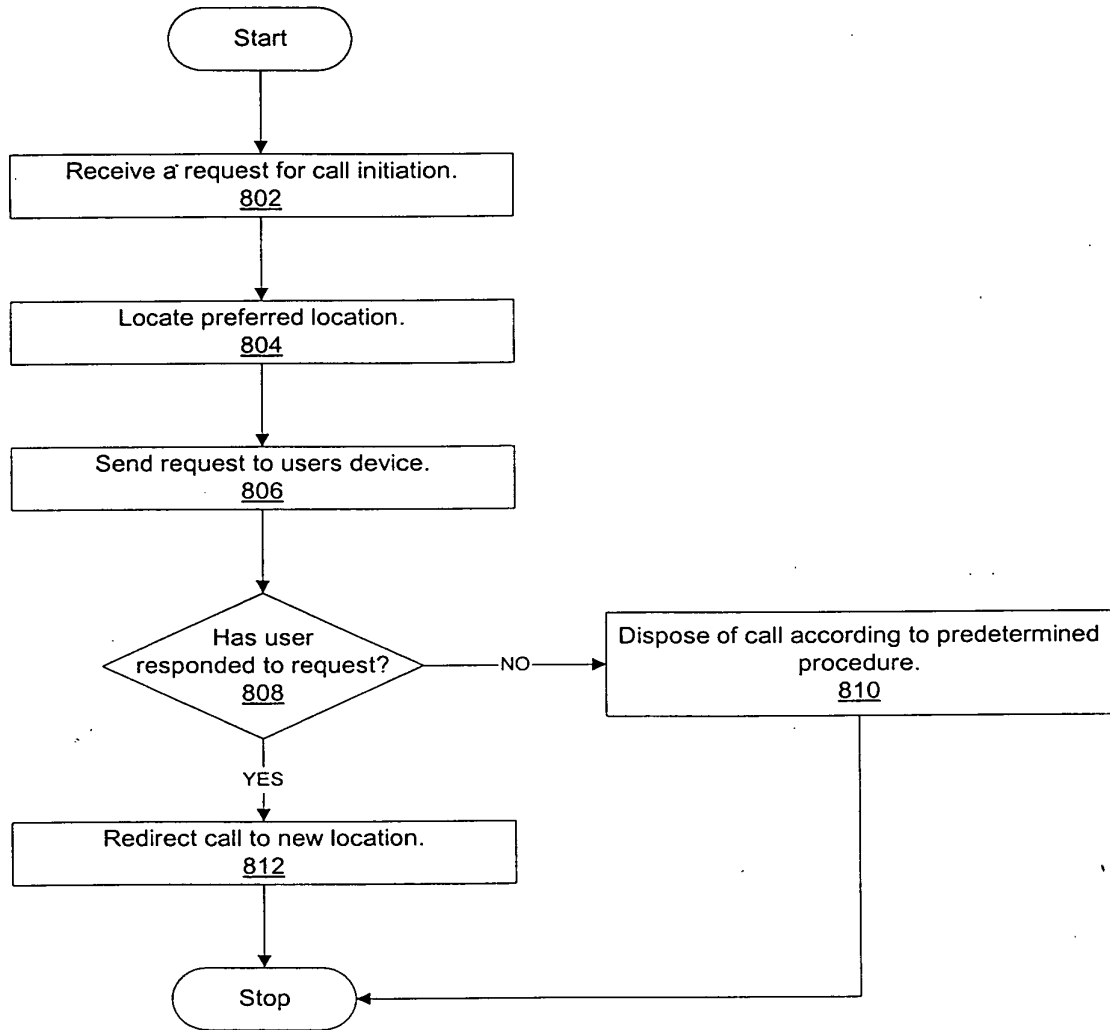


Figure 8

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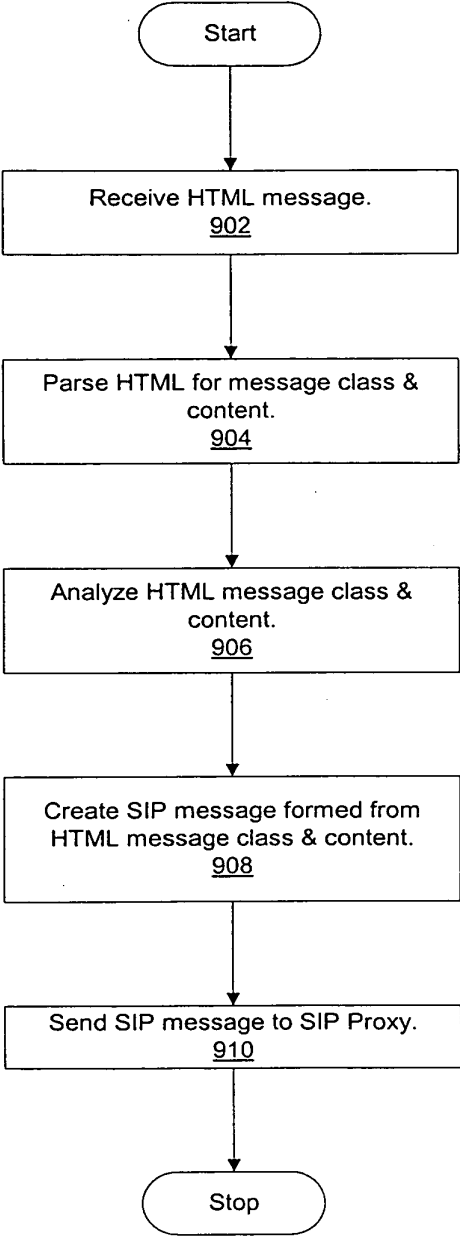


Figure 9

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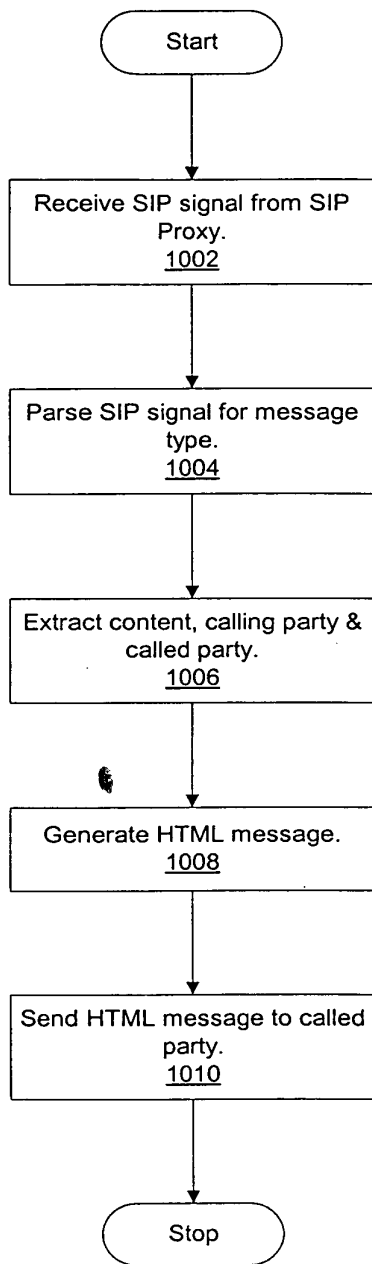


Figure 10

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PORTABLE CALL MANAGEMENT SYSTEM

5 **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.

IFS
AI

A>

2. Background of the Invention:

10 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
15 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
20 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
25 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
30 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
5 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
10 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
15 in advance.

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SUMMARY OF THE INVENTION

The present invention solves the problem of preventing a called party from
5 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
10 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
15 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
20 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
25 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

5 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:

10 **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;

15 **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;

20 **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;

25 **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;

30 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

5

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
5 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.

10 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
15 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,
20 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
25 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.

30 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
5 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)
10 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
15 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.

20 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
25 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.
30 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
5 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
10 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
15 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
20 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
25 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
30 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
5 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
10 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
15 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
20 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
25 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.

30 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
5 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
10 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
15 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
20 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
25 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,
30 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
5 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
10 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
15 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
20 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
25 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
30 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). **Figure 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

5 **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

10 **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**).

15 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**

20 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

25 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

30 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
5 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**).
10 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
15 (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.

20 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
25 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
30 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.

5 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
10 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
15 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
20 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.

25 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
30 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
5 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
10 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
15 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
20 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 than 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
25 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
30 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
5 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
10 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
15 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
20 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
25 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
30 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 than 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
 2 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.

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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
3 address, the computer program product comprising:
4 first instructions for receiving at a data processing system a registration notice
5 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.

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- 1 17. A system of redirecting a call from a data processing system to another
2 address, comprising:
3 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:
2 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:
3 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:
2 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
- 2 comprising:
- 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 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.

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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
5 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
5 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
10 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
5 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
10 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
15 initiation protocol.
69. The method as recited in claim 66, wherein the second protocol is a hypertext
markup language.

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ABSTRACT OF THE DISCLOSURE

PORTABLE CALL MANAGEMENT SYSTEM

5 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
10 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)

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 or 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.

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.

=====

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**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)

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.

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.

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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. 34,286;
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 488/05/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: Gregory T. Osterhout

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: 5409 Scenic Drive, Rowlett, TX 75088

COUNTY: Dallas

CITIZENSHIP: Canada

POST OFFICE 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	CLASS 455	GROUP ART UNIT 2684 2685	ATTORNEY DOCKET NO. 11032RRUS04D
APPLICANTS Gregory T. Osterhout, Coppell, TX; Kim B. Holmes, Rowlett, TX; Mark Sosebee, Plano, TX;				
** CONTINUING DATA ***** This application is a DIV of 09/419,175 10/15/1999				
** FOREIGN APPLICATIONS ***** <i>No / 8/02</i>				
IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 09/03/2002				
Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance	STATE OR COUNTRY TX	SHEETS DRAWING 10	TOTAL CLAIMS 24
Verified and Acknowledged Examiner's Signature: <i>[Signature]</i> Initials: <i>[Initials]</i>				INDEPENDENT CLAIMS 4
ADDRESS 021498				
TITLE Portable call management system				
FILING FEE RECEIVED 896	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

07/25/2002 EHAILE1 0000064 500392 10199797

01 FC:101		740.00 OP
02 FC:102	84.00 CH	
03 FC:103	72.00 CH	

PTO-1556
(5/87)

PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2001

Application or Docket Number
11032 RRUS04D

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	<i>24</i>	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	<i>24</i> minus 20 = *	<i>4</i>
INDEPENDENT CLAIMS	<i>4</i> minus 3 = *	<i>1</i>
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* <i>24</i> Minus ** <i>24</i>	=
	Independent	* <i>4</i> Minus *** <i>4</i>	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* <i>15</i> Minus ** <i>24</i>	= <i>0</i>
	Independent	* <i>3</i> Minus *** <i>4</i>	= <i>0</i>
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* <i>15</i> Minus ** <i>24</i>	=
	Independent	* <i>3</i> Minus *** <i>4</i>	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SMALL ENTITY TYPE OR

RATE	FEE
BASIC FEE	370.00
X\$ 9=	
X42=	
+140=	
TOTAL	

OTHER THAN SMALL ENTITY

RATE	FEE
BASIC FEE	740.00
X\$18=	<i>72</i>
X84=	<i>84</i>
+280=	
TOTAL	<i>896</i>

SMALL ENTITY OR

RATE	ADDITIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	<i>0</i>
X84=	<i>0</i>
+280=	<i>0</i>
TOTAL ADDIT. FEE	<i>0</i>

RATE	ADDITIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

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CLAIMS ONLY

SERIAL NO. 10199797

FILING DATE

APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
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TOTAL IND.	4					
TOTAL DEP.	20					
TOTAL CLAIMS	24					

	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51						
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100						
TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

FORM PTO-6022 (1-66)

U.S. Government Printing Office: 1966 - 453-214/70303

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4
50
10/8/02

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**
§

1c715 U.S. PTO
10/199797
07/19/02

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, 2002.
By: Krista Douthitt
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),

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

#5/A
LB
10/8/02

In re application of: **Osterhout et al.**

§
§
§
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§
§

Group Art Unit: **2684**

Serial No.: **Not Assigned**

Examiner: **Nguyen, Thuan T.**

Filed: **July 19, 2002**

Attorney Docket No.: **11032RRUS04D**

For: **Portable Call Management System**

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.
By: *Krista Douthitt*
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:

A I

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

IN THE CLAIMS:

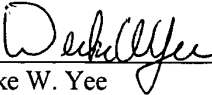
Please cancel claims 1-42 and 63-65.

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,



Duke W. Yee
Registration No. 34,285
CARSTENS YEE & CAHOON, LLP
P.O. Box 802334
Dallas, Texas 75380
(972) 367-2001
ATTORNEY FOR APPLICANT