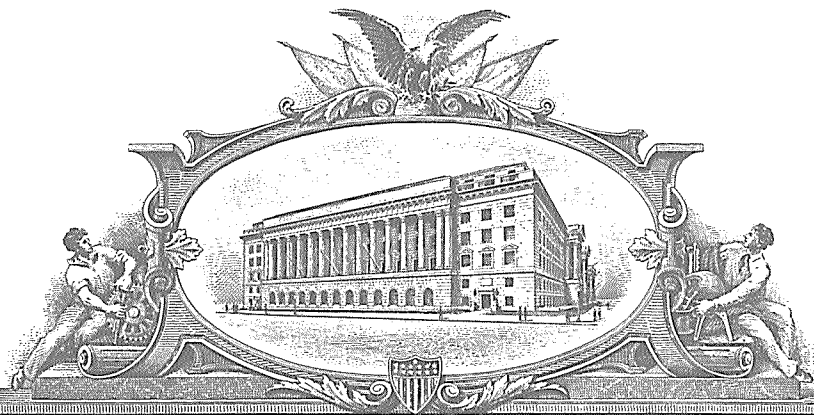


A 8008131



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P. SWAIN
Certifying Officer

PART (2) OF (3) PART(S)

Property Type	Number
Application Number:	11776710
Application Number:	11560925
Application Number:	11931387
Application Number:	11426970
Application Number:	11427222
Application Number:	11329643
Application Number:	11511680
Application Number:	11395098
Application Number:	11782808
Application Number:	11358622
Application Number:	11460537
Application Number:	11220878
Application Number:	11460011
Application Number:	12018915
Application Number:	11383544
Application Number:	11970207
Application Number:	11538174
Application Number:	11773607
Application Number:	11332564
Application Number:	11161832
Application Number:	10907630
Application Number:	11383821
Application Number:	11972233
Application Number:	11870463
Application Number:	11623619
Application Number:	11466120
Application Number:	11437312
Application Number:	11425549
Application Number:	11531372
Application Number:	11461137
Application Number:	11325105
Application Number:	11220433
Application Number:	11622519
Application Number:	11276413
Application Number:	11401786
Application Number:	11308103
Application Number:	11440202
Application Number:	11164109

PATENT

REEL: 049490 FRAME: 0300

Property Type	Number
Application Number:	11316499
Application Number:	11876605
Application Number:	11432484
Application Number:	11533928
Application Number:	11953927
Application Number:	11376199
Application Number:	11924283
Application Number:	11830200
Application Number:	11924207
Application Number:	11278910
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Application Number:	10907935
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Application Number:	11927006
Application Number:	11491635
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Application Number:	11307294
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Application Number:	11164513
Application Number:	11419217
Application Number:	11845386
Application Number:	11307642
Application Number:	11528253
Application Number:	11308408
Application Number:	11275492
Application Number:	11340934
Application Number:	11538567
Application Number:	11498689
Application Number:	11477664
Application Number:	11329560
Application Number:	11775607
Application Number:	11619357
Application Number:	11214161
Application Number:	11929490
Application Number:	11868046

PATENT

REEL: 049490 FRAME: 0301

Property Type	Number
Application Number:	11277306
Application Number:	11622543
Application Number:	11276433
Application Number:	11079816
Application Number:	11445326
Application Number:	11333997
Application Number:	11276366
Application Number:	10906267
Application Number:	12142248
Application Number:	11850644
Application Number:	11429708
Application Number:	10906016
Application Number:	11452741
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Application Number:	11560019
Application Number:	11830872
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Application Number:	11621228
Application Number:	11620445
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Application Number:	11777329
Application Number:	11610567
Application Number:	11450258
Application Number:	11619264
Application Number:	11838341
Application Number:	11467712
Application Number:	12035237
Application Number:	12037121

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REEL: 049490 FRAME: 0302

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Application Number:	11519680
Application Number:	11276369
Application Number:	11348136
Application Number:	11778641
Application Number:	11212208
Application Number:	11558974
Application Number:	11162666
Application Number:	11221118
Application Number:	12026843
Application Number:	11831149
Application Number:	11838941
Application Number:	11281032
Application Number:	11380692
Application Number:	11857332
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Application Number:	11538872
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Application Number:	11161599
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Application Number:	11419271

PATENT

REEL: 049490 FRAME: 0303

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Application Number:	11849048
Application Number:	11924825
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Application Number:	11381391
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Application Number:	11451869
Application Number:	11552582
Application Number:	11481514
Application Number:	11255971
Application Number:	11872399
Application Number:	11275604
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Application Number:	11947092
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Application Number:	11432706
Application Number:	11107611
Application Number:	11162780
Application Number:	11830116
Application Number:	11380689
Application Number:	11164765
Application Number:	11873534
Application Number:	11941994
Application Number:	11872273
Application Number:	11857272
Application Number:	11928135
Application Number:	11470024
Application Number:	11623626
Application Number:	11609403
Application Number:	11201970
Application Number:	11380688
Application Number:	11415787
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Application Number:	11506827
Application Number:	11415922
Application Number:	11830328

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REEL: 049490 FRAME: 0304

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Application Number:	11234637
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Application Number:	11192259
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Application Number:	11536730
Application Number:	11776155
Application Number:	11861051
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Application Number:	11774663
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Application Number:	12013511
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Application Number:	11623500
Application Number:	11970731
Application Number:	11163908
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Application Number:	11757472
Application Number:	11564961
Application Number:	11259644
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REEL: 049490 FRAME: 0305

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Application Number:	11924239
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Application Number:	12041913
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Application Number:	11866060
Application Number:	11923701
Application Number:	11536114
Application Number:	11383586
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Application Number:	11859865
Application Number:	11772899
Application Number:	11303103
Application Number:	11866502
Application Number:	11190360
Application Number:	11772464
Application Number:	11522873
Application Number:	12020916
Application Number:	12018440
Application Number:	11620242
Application Number:	11853122
Application Number:	11964935
Application Number:	11335329
Application Number:	11557509
Application Number:	11422979
Application Number:	11923152
Application Number:	11619691
Application Number:	11334220
Application Number:	11622586
Application Number:	11926661
Application Number:	11778217

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REEL: 049490 FRAME: 0306

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Application Number:	11852317
Application Number:	11379605
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Application Number:	11459316
Application Number:	11778852
Application Number:	11595085
Application Number:	11961593
Application Number:	11457477
Application Number:	11639865
Application Number:	11875011
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Application Number:	11216198
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Application Number:	11382544
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REEL: 049490 FRAME: 0307

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Application Number:	11778209
Application Number:	11550573
Application Number:	11478695
Application Number:	11620480
Application Number:	11968479
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Application Number:	11951092
Application Number:	11842437
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Application Number:	11834552
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Application Number:	11782071
Application Number:	11830349
Application Number:	11764817
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Application Number:	11838663
Application Number:	11181152
Application Number:	11458161
Application Number:	12013653
Application Number:	11828705
Application Number:	11861492
Application Number:	11843358
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Application Number:	11199526
Application Number:	11860613
Application Number:	11623372
Application Number:	11857321
Application Number:	11385329
Application Number:	11646053
Application Number:	11939671

PATENT

REEL: 049490 FRAME: 0308

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Application Number:	11616860
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Application Number:	11560882
Application Number:	11072140
Application Number:	11518843
Application Number:	11849908
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Application Number:	11843791
Application Number:	11771033
Application Number:	11850608
Application Number:	11615982
Application Number:	11835182
Application Number:	11619623
Application Number:	12050589
Application Number:	11619511
Application Number:	12038894
Application Number:	11474678
Application Number:	11778876
Application Number:	11767616
Application Number:	11970130
Application Number:	12038985
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Application Number:	11873515
Application Number:	11770303
Application Number:	11473338
Application Number:	11850076
Application Number:	12042936
Application Number:	11468068
Application Number:	11308422

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REEL: 049490 FRAME: 0309

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Application Number:	11774087
Application Number:	11834956
Application Number:	12031374
Application Number:	11775451
Application Number:	11780712
Application Number:	11766869
Application Number:	11621389
Application Number:	11932793
Application Number:	11926627
Application Number:	11560126
Application Number:	11329458
Application Number:	11275417
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Application Number:	11621383
Application Number:	11532216
Application Number:	11552245
Application Number:	12045984
Application Number:	11875032
Application Number:	11934995
Application Number:	11220324
Application Number:	12032316
Application Number:	11862540
Application Number:	11465176
Application Number:	10906826
Application Number:	12018492
Application Number:	12050596
Application Number:	11850427
Application Number:	11768266
Application Number:	11863724
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Application Number:	11516208
Application Number:	11850488
Application Number:	11849346
Application Number:	11926722
Application Number:	11834979
Application Number:	11561488

PATENT

REEL: 049490 FRAME: 0310

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Application Number:	11924650
Application Number:	10908601
Application Number:	11957848
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Application Number:	11323564
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Application Number:	11934479
Application Number:	11775257
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Application Number:	11954943
Application Number:	11839749
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Application Number:	11891165
Application Number:	11963325
Application Number:	11955451
Application Number:	11860226
Application Number:	11970665
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Application Number:	12028191
Application Number:	11161146
Application Number:	11971937
Application Number:	11925164
Application Number:	11851138
Application Number:	11874281
Application Number:	11610219
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Application Number:	11229188
Application Number:	11869145
Application Number:	12030917
Application Number:	11849409

PATENT

REEL: 049490 FRAME: 0311

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Application Number:	11949063
Application Number:	11275092
Application Number:	11931144
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Application Number:	11421327
Application Number:	12037113
Application Number:	11873521
Application Number:	11847379
Application Number:	11847391
Application Number:	11963267
Application Number:	11923413
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Application Number:	11868320
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Application Number:	12033200
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Application Number:	11955591
Application Number:	11782079
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Application Number:	11590290
Application Number:	11955976
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Application Number:	11872924

PATENT

REEL: 049490 FRAME: 0312

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Application Number:	11968872
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Application Number:	11164684
Application Number:	11957797
Application Number:	11559049
Application Number:	11948308
Application Number:	11985956
Application Number:	12038845
Application Number:	11936673
Application Number:	11969495
Application Number:	11161330

PATENT

REEL: 049490 FRAME: 0313

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Application Number:	11554053
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Application Number:	12002807
Application Number:	12026273
Application Number:	12018316
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Application Number:	11874454
Application Number:	11835310
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Application Number:	11610191
Application Number:	11828382
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Application Number:	12035572
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Application Number:	11871179
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Application Number:	11777837
Application Number:	11947103
Application Number:	11868789
Application Number:	12031760
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Application Number:	11931371
Application Number:	11850916
Application Number:	11872796
Application Number:	11848599
Application Number:	12021333
Application Number:	12032734
Application Number:	11872731
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Application Number:	11863502
Application Number:	12016312
Application Number:	11406595
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PATENT

REEL: 049490 FRAME: 0314

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Application Number:	11874402
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PATENT

REEL: 049490 FRAME: 0315

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Application Number:	12032643
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Application Number:	11839767

PATENT

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REEL: 049490 FRAME: 0317

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PATENT

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PATENT

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PATENT

REEL: 049490 FRAME: 0320

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Application Number:	11834971
Application Number:	12027563
Application Number:	12049780
Application Number:	11924735
Application Number:	11831138
Application Number:	11930975
Application Number:	11969256
Application Number:	11446426
Application Number:	11923663
Application Number:	11494195
Application Number:	11214211
Application Number:	12021316
Application Number:	11519176
Application Number:	12032610
Application Number:	11098153
Application Number:	11955689
Application Number:	12028895
Application Number:	11861614
Application Number:	11622616
Application Number:	11946938
Application Number:	12028973
Application Number:	11874518
Application Number:	11843434
Application Number:	11944878
Application Number:	11621361
Application Number:	12032542
Application Number:	11853170
Application Number:	11866455
Application Number:	12029305
Application Number:	11969981
Application Number:	12022448
Application Number:	11962732
Application Number:	12032762
Application Number:	11839585
Application Number:	11306670
Application Number:	11939612
Application Number:	11863757
Application Number:	12016453

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REEL: 049490 FRAME: 0321

Property Type	Number
Application Number:	11941104
Application Number:	11780530
Application Number:	12015825
Application Number:	10323530
Application Number:	10905905
Application Number:	12039278
Application Number:	11965015
Application Number:	11776810
Application Number:	11865252
Application Number:	12034971
Application Number:	11955598
Application Number:	12049548
Application Number:	12033359
Application Number:	11949904
Application Number:	11999627
Application Number:	12045764
Application Number:	12032417
Application Number:	11566845
Application Number:	12024985
Application Number:	12047435
Application Number:	11839106
Application Number:	11460751
Application Number:	11764948
Application Number:	11537497
Application Number:	11845852
Application Number:	11831119
Application Number:	12015047
Application Number:	11278618
Application Number:	11926399
Application Number:	11781363
Application Number:	11781833
Application Number:	11946096
Application Number:	11381373
Application Number:	11766533
Application Number:	12048635
Application Number:	11970827
Application Number:	11939578
Application Number:	10908959

PATENT

REEL: 049490 FRAME: 0322

Property Type	Number
Application Number:	12046647
Application Number:	11548717
Application Number:	12035009
Application Number:	11250043
Application Number:	11851858
Application Number:	10906808
Application Number:	11718283
Application Number:	12030260
Application Number:	11842206
Application Number:	11779432
Application Number:	11837785
Application Number:	11240311
Application Number:	11969601
Application Number:	11924146
Application Number:	11874861
Application Number:	11928611
Application Number:	12022869
Application Number:	12015795
Application Number:	11858624
Application Number:	11869216
Application Number:	12032276
Application Number:	11450583
Application Number:	11954866
Application Number:	11558842
Application Number:	11843784
Application Number:	12019240
Application Number:	11869522
Application Number:	12037595
Application Number:	11358774
Application Number:	12021455
Application Number:	12037421
Application Number:	12034161
Application Number:	12022951
Application Number:	11869178
Application Number:	11960051
Application Number:	12030903
Application Number:	11830316
Application Number:	11831137

PATENT

REEL: 049490 FRAME: 0323

Property Type	Number
Application Number:	12046643
Application Number:	11389344
Application Number:	12037191
Application Number:	12020879
Application Number:	11860851
Application Number:	12023337
Application Number:	11955940
Application Number:	12034728
Application Number:	11947832
Application Number:	11870575
Application Number:	11874232
Application Number:	11869306
Application Number:	12794208
Application Number:	12683080
Application Number:	12603671
Application Number:	12749619
Application Number:	12892950
Application Number:	12618830
Application Number:	12546349
Application Number:	11876035
Application Number:	11066873
Application Number:	11867235
Application Number:	12622461
Application Number:	12631205
Application Number:	12538317
Application Number:	12619375
Application Number:	12693545
Application Number:	12853354
Application Number:	11622445
Application Number:	12545192
Application Number:	12537486
Application Number:	11937111
Application Number:	12955883
Application Number:	12714702
Application Number:	12881806
Application Number:	11861928
Application Number:	11931296
Application Number:	12047622

PATENT

REEL: 049490 FRAME: 0324

Property Type	Number
Application Number:	12018541
Application Number:	12787417
Application Number:	12787429
Application Number:	12955224
Application Number:	12893102
Application Number:	12543726
Application Number:	12854192
Application Number:	12534478
Application Number:	12948079
Application Number:	11967459
Application Number:	12544436
Application Number:	12621460
Application Number:	12766342
Application Number:	12510588
Application Number:	11867995
Application Number:	11766261
Application Number:	12632838
Application Number:	12021339
Application Number:	12017404
Application Number:	12624677
Application Number:	12697787
Application Number:	11428147
Application Number:	12630946
Application Number:	11872168
Application Number:	11969449
Application Number:	12630939
Application Number:	12899333
Application Number:	12544894
Application Number:	11173388
Application Number:	12749264
Application Number:	11856831
Application Number:	11946550
Application Number:	12698258
Application Number:	12541371
Application Number:	12016039
Application Number:	12710951
Application Number:	12547874
Application Number:	12683535

PATENT
REEL: 049490 FRAME: 0325

Property Type	Number
Application Number:	12694649
Application Number:	12697562
Application Number:	12686403
Application Number:	12543692
Application Number:	12709873
Application Number:	12608368
Application Number:	12542935
Application Number:	12696227
Application Number:	12015631
Application Number:	12624065
Application Number:	12845966
Application Number:	12542368
Application Number:	12028038
Application Number:	11966043
Application Number:	12612258
Application Number:	12649391
Application Number:	12545116
Application Number:	12542771
Application Number:	12689339
Application Number:	12696104
Application Number:	12835811
Application Number:	11961545
Application Number:	11467493
Application Number:	12047603
Application Number:	12685491
Application Number:	12542269
Application Number:	11519393
Application Number:	12630942
Application Number:	11949993
Application Number:	12707291
Application Number:	11511815
Application Number:	12787167
Application Number:	12791942
Application Number:	12623836
Application Number:	11513786
Application Number:	11395857
Application Number:	12839451
Application Number:	12632351

PATENT

REEL: 049490 FRAME: 0326

Property Type	Number
Application Number:	11408557
Application Number:	12765950
Application Number:	12014240
Application Number:	11931242
Application Number:	12828238
Application Number:	12702798
Application Number:	12911379
Application Number:	12538196
Application Number:	12705780
Application Number:	12685393
Application Number:	11765396
Application Number:	12701977
Application Number:	11923686
Application Number:	12546034
Application Number:	12535554
Application Number:	12542747
Application Number:	12875398
Application Number:	12704567
Application Number:	12882425
Application Number:	12542958
Application Number:	12535769
Application Number:	12826221
Application Number:	12640444
Application Number:	12036745
Application Number:	11949066
Application Number:	12854264
Application Number:	12917700
Application Number:	12880180
Application Number:	12844135
Application Number:	12905805
Application Number:	12536176
Application Number:	12583030
Application Number:	12875416
Application Number:	12857588
Application Number:	12652338
Application Number:	12786572
Application Number:	11162765
Application Number:	12789839

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REEL: 049490 FRAME: 0327

Property Type	Number
Application Number:	12533389
Application Number:	12752369
Application Number:	12825269
Application Number:	12603838
Application Number:	12017598
Application Number:	11162661
Application Number:	12611519
Application Number:	12632836
Application Number:	12909325
Application Number:	12039177
Application Number:	12627076
Application Number:	11972175
Application Number:	12511759
Application Number:	12624141
Application Number:	12788411
Application Number:	12026123
Application Number:	12536741
Application Number:	12547529
Application Number:	12548033
Application Number:	11971761
Application Number:	11865780
Application Number:	12702682
Application Number:	11769128
Application Number:	11985963
Application Number:	12037956
Application Number:	12687147
Application Number:	12533427
Application Number:	11863759
Application Number:	12688471
Application Number:	12894484
Application Number:	12814930
Application Number:	12642806
Application Number:	12813828
Application Number:	12695991
Application Number:	12634137
Application Number:	12710380
Application Number:	11427409
Application Number:	12948092

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REEL: 049490 FRAME: 0328

Property Type	Number
Application Number:	12683720
Application Number:	12031530
Application Number:	12013817
Application Number:	12706834
Application Number:	12751302
Application Number:	12861913
Application Number:	12892160
Application Number:	12540034
Application Number:	12652546
Application Number:	12695494
Application Number:	12717398
Application Number:	12939668
Application Number:	12916864
Application Number:	12915463
Application Number:	12917029
Application Number:	12905440
Application Number:	12622557
Application Number:	12533521
Application Number:	12539821
Application Number:	12683456
Application Number:	12702380
Application Number:	12645981
Application Number:	12854352
Application Number:	12870921
Application Number:	12691213
Application Number:	12034708
Application Number:	12651804
Application Number:	12048237
Application Number:	12877628
Application Number:	12862949
Application Number:	12849973
Application Number:	12756781
Application Number:	11970761
Application Number:	12813598
Application Number:	12939538
Application Number:	12764329
Application Number:	12949108
Application Number:	12899638

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REEL: 049490 FRAME: 0329

Property Type	Number
Application Number:	12539284
Application Number:	11765055
Application Number:	12879602
Application Number:	12858881
Application Number:	12821526
Application Number:	12708561
Application Number:	12770976
Application Number:	11378536
Application Number:	12944480
Application Number:	11971056
Application Number:	12547224
Application Number:	12906690
Application Number:	12692698
Application Number:	11532599
Application Number:	12762832
Application Number:	12644895
Application Number:	12700807
Application Number:	12688347
Application Number:	12702684
Application Number:	12540510
Application Number:	12020565
Application Number:	12019153
Application Number:	12540213
Application Number:	11972678
Application Number:	12536090
Application Number:	12871962
Application Number:	12648456
Application Number:	12784688
Application Number:	12898958
Application Number:	12822789
Application Number:	12905619
Application Number:	12540759
Application Number:	12538782
Application Number:	12632154
Application Number:	11548328
Application Number:	12944493
Application Number:	12770420
Application Number:	12643454

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REEL: 049490 FRAME: 0330

Property Type	Number
Application Number:	12914644
Application Number:	11772310
Application Number:	12543301
Application Number:	12815902
Application Number:	12824534
Application Number:	12020534
Application Number:	12828608
Application Number:	12017779
Application Number:	12855009
Application Number:	12034644
Application Number:	12957420
Application Number:	12766859
Application Number:	12614224
Application Number:	11949190
Application Number:	12894231
Application Number:	12701867
Application Number:	12748513
Application Number:	12868086
Application Number:	12841403
Application Number:	12823010
Application Number:	12545010
Application Number:	12619209
Application Number:	11636336
Application Number:	12623462
Application Number:	12771293
Application Number:	12717439
Application Number:	12785849
Application Number:	12541758
Application Number:	11927073
Application Number:	11870875
Application Number:	12688929
Application Number:	12684372
Application Number:	12705674
Application Number:	12910144
Application Number:	12777715
Application Number:	12699411
Application Number:	12689346
Application Number:	12541575

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REEL: 049490 FRAME: 0331

Property Type	Number
Application Number:	12699601
Application Number:	12770254
Application Number:	12838147
Application Number:	12842158
Application Number:	12547526
Application Number:	12725822
Application Number:	12544696
Application Number:	11869179
Application Number:	12543003
Application Number:	12842439
Application Number:	12859426
Application Number:	12047376
Application Number:	12689464
Application Number:	12687610
Application Number:	12699211
Application Number:	11161932
Application Number:	12767375
Application Number:	12948165
Application Number:	11931096
Application Number:	12685734
Application Number:	12603567
Application Number:	12853795
Application Number:	12622464
Application Number:	12824293
Application Number:	12759785
Application Number:	12785185
Application Number:	12634742
Application Number:	12704084
Application Number:	12902793
Application Number:	12960110
Application Number:	12959697
Application Number:	12613551
Application Number:	12699225
Application Number:	11872291
Application Number:	12823163
Application Number:	12859903
Application Number:	12754250
Application Number:	12731481

PATENT
REEL: 049490 FRAME: 0332

Property Type	Number
Application Number:	12764244
Application Number:	11939599
Application Number:	12547540
Application Number:	12547566
Application Number:	12938477
Application Number:	12686013
Application Number:	12603679
Application Number:	12697556
Application Number:	12876319
Application Number:	12767068
Application Number:	12958431
Application Number:	12831306
Application Number:	12712880
Application Number:	12782359
Application Number:	12689481
Application Number:	12621299
Application Number:	11299071
Application Number:	12620234
Application Number:	12816825
Application Number:	12872964
Application Number:	12709565
Application Number:	12775607
Application Number:	12607258
Application Number:	12536156
Application Number:	12860977
Application Number:	12616861
Application Number:	11879937
Application Number:	12631218
Application Number:	11866110
Application Number:	12692198
Application Number:	12631203
Application Number:	12542879
Application Number:	12620664
Application Number:	12615358
Application Number:	12775107
Application Number:	12841384
Application Number:	12899676
Application Number:	12847208

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REEL: 049490 FRAME: 0333

Property Type	Number
Application Number:	12541435
Application Number:	12613800
Application Number:	12711748
Application Number:	12910236
Application Number:	12778315
Application Number:	12776742
Application Number:	12941042
Application Number:	12711481
Application Number:	12775863
Application Number:	12758939
Application Number:	12696746
Application Number:	12797181
Application Number:	12949328
Application Number:	12538797
Application Number:	11930236
Application Number:	12917870
Application Number:	12947460
Application Number:	11925069
Application Number:	12644980
Application Number:	12940762
Application Number:	12938459
Application Number:	12629156
Application Number:	12708570
Application Number:	12775622
Application Number:	12832829
Application Number:	12625827
Application Number:	12760250
Application Number:	12648867
Application Number:	12891301
Application Number:	12707191
Application Number:	12886765
Application Number:	12893808
Application Number:	12827693
Application Number:	12630993
Application Number:	12610090
Application Number:	12546290
Application Number:	11859044
Application Number:	11767545

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REEL: 049490 FRAME: 0334

Property Type	Number
Application Number:	12897021
Application Number:	11554079
Application Number:	12692961
Application Number:	12542235
Application Number:	12777881
Application Number:	12687273
Application Number:	12876454
Application Number:	12627747
Application Number:	12619771
Application Number:	12822058
Application Number:	12648442
Application Number:	12915923
Application Number:	11927720
Application Number:	12782407
Application Number:	12796501
Application Number:	12880228
Application Number:	12616965
Application Number:	12848741
Application Number:	12623493
Application Number:	12835764
Application Number:	12907105
Application Number:	12757323
Application Number:	12861947
Application Number:	12723130
Application Number:	12839870
Application Number:	12902343
Application Number:	12624605
Application Number:	12770792
Application Number:	12628686
Application Number:	12610630
Application Number:	12775532
Application Number:	12914573
Application Number:	12912819
Application Number:	12772436
Application Number:	12615796
Application Number:	12905501
Application Number:	12853278
Application Number:	12731469

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REEL: 049490 FRAME: 0335

Property Type	Number
Application Number:	12535310
Application Number:	12836933
Application Number:	12018030
Application Number:	12542042
Application Number:	12754359
Application Number:	12942289
Application Number:	12830626
Application Number:	12729856
Application Number:	12816697
Application Number:	12689268
Application Number:	12632015
Application Number:	12858953
Application Number:	12959883
Application Number:	12862838
Application Number:	12959029
Application Number:	12749112
Application Number:	11308396
Application Number:	12815845
Application Number:	11321706
Application Number:	12707962
Application Number:	12957881
Application Number:	12823232
Application Number:	12872312
Application Number:	12710553
Application Number:	12687607
Application Number:	12795962
Application Number:	12021321
Application Number:	12535804
Application Number:	12703211
Application Number:	12960593
Application Number:	12886639
Application Number:	12538146
Application Number:	12876343
Application Number:	12632030
Application Number:	12548484
Application Number:	11830239
Application Number:	12878579
Application Number:	12625703

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REEL: 049490 FRAME: 0336

Property Type	Number
Application Number:	12615856
Application Number:	12780193
Application Number:	12541562
Application Number:	12914234
Application Number:	12698629
Application Number:	12946325
Application Number:	12832224
Application Number:	12905383
Application Number:	12773306
Application Number:	12509918
Application Number:	12034210
Application Number:	12817249
Application Number:	12839777
Application Number:	12534427
Application Number:	12535296
Application Number:	12605417
Application Number:	12537767
Application Number:	12914570
Application Number:	12882362
Application Number:	12899868
Application Number:	12696764
Application Number:	12788987
Application Number:	12897983
Application Number:	12856208
Application Number:	12709981
Application Number:	12898822
Application Number:	12690178
Application Number:	12845390
Application Number:	12789013
Application Number:	12795973
Application Number:	12823798
Application Number:	12840791
Application Number:	12019913
Application Number:	12856338
Application Number:	12775939
Application Number:	12878746
Application Number:	12862203
Application Number:	12698293

PATENT

REEL: 049490 FRAME: 0337

Property Type	Number
Application Number:	12797420
Application Number:	11512000
Application Number:	12958607
Application Number:	12683606
Application Number:	11620138
Application Number:	12914730
Application Number:	12840689
Application Number:	11317593
Application Number:	12754917
Application Number:	12876510
Application Number:	12915168
Application Number:	12621564
Application Number:	12911833
Application Number:	12778319
Application Number:	11968686
Application Number:	12844263
Application Number:	12731369
Application Number:	12783676
Application Number:	12778517
Application Number:	12821507
Application Number:	12787461
Application Number:	11548482
Application Number:	12839455
Application Number:	12855854
Application Number:	12640752
Application Number:	12648400
Application Number:	12823728
Application Number:	12823660
Application Number:	12962968
Application Number:	12839026
Application Number:	12719058
Application Number:	12860327
Application Number:	12841359
Application Number:	12706228
Application Number:	12725287
Application Number:	12831656
Application Number:	12776829
Application Number:	12897964

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REEL: 049490 FRAME: 0338

Property Type	Number
Application Number:	12533587
Application Number:	12960004
Application Number:	12890173
Application Number:	12636426
Application Number:	12749220
Application Number:	12949158
Application Number:	12960589
Application Number:	12784583
Application Number:	12833446
Application Number:	12898924
Application Number:	12627343
Application Number:	12841750
Application Number:	12959993
Application Number:	12822287
Application Number:	12939471
Application Number:	12914123
Application Number:	12888828
Application Number:	12719289
Application Number:	12838810
Application Number:	12721727
Application Number:	12958608
Application Number:	12788910
Application Number:	12822503
Application Number:	12952465
Application Number:	12886881
Application Number:	12776512
Application Number:	12950635
Application Number:	12771697
Application Number:	12878297
Application Number:	12821953
Application Number:	12685938
Application Number:	12825791
Application Number:	12904348
Application Number:	12858094
Application Number:	12706212
Application Number:	12885665
Application Number:	12951107
Application Number:	12882500

Property Type	Number
Application Number:	12632040
Application Number:	12886224
Application Number:	12685156
Application Number:	12689501
Application Number:	12881481
Application Number:	12618871
Application Number:	12861976
Application Number:	12940210
Application Number:	11940531
Application Number:	12792242
Application Number:	12848558
Application Number:	12840688
Application Number:	12904597
Application Number:	12849743
Application Number:	12910336
Application Number:	12684697
Application Number:	12856212
Application Number:	12942506
Application Number:	12963134
Application Number:	11926655
Application Number:	12645583
Application Number:	12949148
Application Number:	12939282
Application Number:	12897230
Application Number:	12893329
Application Number:	11836253
Application Number:	12689743
Application Number:	12838844
Application Number:	12765275
Application Number:	12611947
Application Number:	12839528
Application Number:	11313594
Application Number:	12944020
Application Number:	12958685
Application Number:	12854995
Application Number:	12707975
Application Number:	12726889
Application Number:	12963054

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REEL: 049490 FRAME: 0340

Property Type	Number
Application Number:	12648744
Application Number:	12887737
Application Number:	12832375
Application Number:	12778526
Application Number:	12862310
Application Number:	12848644
Application Number:	12955203
Application Number:	12761394
Application Number:	12944682
Application Number:	12697164
Application Number:	12880794
Application Number:	12858961
Application Number:	12904435
Application Number:	12617084
Application Number:	11653975
Application Number:	12843228
Application Number:	12688254
Application Number:	12902624
Application Number:	12708877
Application Number:	12905711
Application Number:	12832206
Application Number:	12616941
Application Number:	12942490
Application Number:	12942662
Application Number:	12948031
Application Number:	12816399
Application Number:	12822469
Application Number:	11940720
Application Number:	12039953
Application Number:	12886903
Application Number:	12776369
Application Number:	12946925
Application Number:	12712836
Application Number:	12757433
Application Number:	12793046
Application Number:	12940095
Application Number:	12686457
Application Number:	12818828

PATENT

REEL: 049490 FRAME: 0341

Property Type	Number
Application Number:	12941595
Application Number:	12642989
Application Number:	12822498
Application Number:	12046750
Application Number:	12949888
Application Number:	12961553
Application Number:	12871039
Application Number:	12546095
Application Number:	12882490
Application Number:	12712521
Application Number:	12873058
Application Number:	12822507
Application Number:	11098273
Application Number:	12857591
Application Number:	12939523
Application Number:	12892191
Application Number:	12862844
Application Number:	12613574
Application Number:	12730403
Application Number:	12823984
Application Number:	11844397
Application Number:	12912963
Application Number:	12544939
Application Number:	12816605
Application Number:	12039900
Application Number:	12838850
Application Number:	12962722
Application Number:	12938411
Application Number:	10906508
Application Number:	12041878
Application Number:	12048461
Application Number:	12690467
Application Number:	12876441
Application Number:	12822021
Application Number:	12723842
Application Number:	12542802
Application Number:	12542801
Application Number:	12732751

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Property Type	Number
Application Number:	12895043
Application Number:	12698759
Application Number:	12941185
Application Number:	12894469
Application Number:	12890941
Application Number:	12842146
Application Number:	12946875
Application Number:	11951858
Application Number:	12611421
Application Number:	12605523
Application Number:	12886678
Application Number:	12886850
Application Number:	12859414
Application Number:	12941771
Application Number:	12915888
Application Number:	11858636
Application Number:	12823924
Application Number:	12794995
Application Number:	12822968
Application Number:	12951597
Application Number:	12943987
Application Number:	12713572
Application Number:	12637048
Application Number:	12907904
Application Number:	12876518
Application Number:	12700863
Application Number:	12619298
Application Number:	12939462
Application Number:	12943995
Application Number:	12906707
Application Number:	12721032
Application Number:	12939506
Application Number:	12908024
Application Number:	12683634
Application Number:	12914367
Application Number:	12959824
Application Number:	12727710
Application Number:	11408752

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Property Type	Number
Application Number:	11778930
Application Number:	12838515
Application Number:	12849966
Application Number:	12880085
Application Number:	12832180
Application Number:	12854393
Application Number:	12535383
Application Number:	12907731
Application Number:	12905158
Application Number:	12783787
Application Number:	12637016
Application Number:	12838597
Application Number:	12776879
Application Number:	12869973
Application Number:	12947445
Application Number:	12909291
Application Number:	12620320
Application Number:	12853532
Application Number:	11859423
Application Number:	12774223
Application Number:	11823056
Application Number:	12788839
Application Number:	12612035
Application Number:	12908554
Application Number:	12958678
Application Number:	12823168
Application Number:	12860236
Application Number:	12770948
Application Number:	12956343
Application Number:	11867743
Application Number:	12611561
Application Number:	12824337
Application Number:	12683465
Application Number:	12888403
Application Number:	12017175
Application Number:	12634893
Application Number:	11046986
Application Number:	12713581

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Property Type	Number
Application Number:	12786956
Application Number:	12873376
Application Number:	12683759
Application Number:	11778238
Application Number:	12891403
Application Number:	12750342
Application Number:	13769446
Application Number:	12779100
Application Number:	13909221
Application Number:	12726904
Application Number:	12908053
Application Number:	12684280
Application Number:	11448788
Application Number:	12873361
Application Number:	12855079
Application Number:	12711022
Application Number:	11834641
Application Number:	12707918
Application Number:	11622166
Application Number:	12943084
Application Number:	12842548
Application Number:	12642331
Application Number:	12907596
Application Number:	12047552
Application Number:	12870922
Application Number:	12752554
Application Number:	12906697
Application Number:	12894286
Application Number:	12903695
Application Number:	12887565
Application Number:	11082156
Application Number:	12542970
Application Number:	11954812
Application Number:	12610291
Application Number:	11950453
Application Number:	13886373
Application Number:	12620083
Application Number:	12901079

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Property Type	Number
Application Number:	12859801
Application Number:	11771252
Application Number:	12641959
Application Number:	13718346
Application Number:	13687877
Application Number:	12533766
Application Number:	13773397
Application Number:	12791372
Application Number:	12897295
Application Number:	12835780
Application Number:	12627120
Application Number:	13797001
Application Number:	13858198
Application Number:	12685022
Application Number:	11427495
Application Number:	11873455
Application Number:	12871429
Application Number:	12837148
Application Number:	12702333
Application Number:	11324441
Application Number:	12825527
Application Number:	12700841
Application Number:	12749890
Application Number:	12793292
Application Number:	12822508
Application Number:	12700397
Application Number:	13839626
Application Number:	12822426
Application Number:	12604703
Application Number:	12711322
Application Number:	12833272
Application Number:	12768267
Application Number:	12822964
Application Number:	12907186
Application Number:	11556746
Application Number:	12725688
Application Number:	12512559
Application Number:	12697799

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Property Type	Number
Application Number:	13870661
Application Number:	12826958
Application Number:	12958979
Application Number:	12783914
Application Number:	12910075
Application Number:	12614231
Application Number:	11857806
Application Number:	12035449
Application Number:	12727312
Application Number:	12776674
Application Number:	12901733
Application Number:	12878128
Application Number:	12603668
Application Number:	13466234
Application Number:	12537063
Application Number:	12830514
Application Number:	12888388
Application Number:	12942200
Application Number:	12612624
Application Number:	11957576
Application Number:	12547808
Application Number:	12692760
Application Number:	12615175
Application Number:	11923864
Application Number:	12888408
Application Number:	12647999
Application Number:	12636057
Application Number:	12917763
Application Number:	13761430
Application Number:	13874577
Application Number:	12689455
Application Number:	13865795
Application Number:	13870411
Application Number:	11275091
Application Number:	12033280
Application Number:	12619285
Application Number:	13913007
Application Number:	13743935

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Property Type	Number
Application Number:	13916013
Application Number:	13930578
Application Number:	13734075
Application Number:	13775416
Application Number:	13782106
Application Number:	13924484
Application Number:	13938344
Application Number:	13943849
Application Number:	13947155
Application Number:	14378118
Application Number:	15155761
Application Number:	15157582
Application Number:	15160591
Application Number:	15160623
Application Number:	15163785
Application Number:	15164204
Application Number:	15168798
Application Number:	15168930
Application Number:	15172551
Application Number:	15193700
Application Number:	13491857
Application Number:	11837057
Application Number:	12692859
Application Number:	12491849
Application Number:	12472824
Application Number:	12862255
Application Number:	13602119
Application Number:	13288541
Application Number:	12473726
Application Number:	12415258
Application Number:	12477365
Application Number:	13078305
Application Number:	13612159
Application Number:	09199911
Application Number:	09627436
Application Number:	13406838
Application Number:	10010569
Application Number:	12753270

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Property Type	Number
Application Number:	13557385
Application Number:	12899691
Application Number:	10904808
Application Number:	11182681
Application Number:	11561982
Application Number:	11641647
Application Number:	09686720
Application Number:	12434321
Application Number:	12636015
Application Number:	14367225
Application Number:	13280178
Application Number:	09715184
Application Number:	10754515
Application Number:	13564071
Application Number:	13603304
Application Number:	11502132
Application Number:	10425974
Application Number:	13675442
Application Number:	14592412
Application Number:	14757996
Application Number:	15072130
Application Number:	14024820
Application Number:	13914514
Application Number:	13956273
Application Number:	14634535
Application Number:	15791210
Application Number:	09239487
Application Number:	09725412
Application Number:	09375763
Application Number:	09737198
Application Number:	09455118
Application Number:	09598376
Application Number:	09894337
Application Number:	10261219
Application Number:	10247415
Application Number:	09764833
Application Number:	09861253
Application Number:	10604731

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Property Type	Number
Application Number:	10461090
Application Number:	10684952
Application Number:	10741203
Application Number:	10707122
Application Number:	10435842
Application Number:	11330834
Application Number:	10774827
Application Number:	11788969
Application Number:	12350251
Application Number:	13489244
Application Number:	13594292
Application Number:	14333715
Application Number:	14176697
Application Number:	14253906
Application Number:	13587998
Application Number:	14574995
Application Number:	13296444
Application Number:	14202268
Application Number:	13300913
Application Number:	14094691
Application Number:	15361994
Application Number:	15363596
Application Number:	15699322
Application Number:	15342801
Application Number:	15366223
Application Number:	15175776
Application Number:	14735984
Application Number:	10908252
Application Number:	12145163
Application Number:	11548428
Application Number:	13676483
Application Number:	14500914
Application Number:	14161724
Application Number:	13913823
Application Number:	14837865
Application Number:	14696605
Application Number:	14564603
Application Number:	14526126

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Property Type	Number
Application Number:	14866531
Application Number:	14837827
Application Number:	14742471
Application Number:	14832530
Application Number:	14608625
Application Number:	14334950
Application Number:	14826466
Application Number:	14985542
Application Number:	14699843
Application Number:	14822654
Application Number:	15073050
Application Number:	14490792
Application Number:	14855881
Application Number:	14200737
Application Number:	14960378
Application Number:	15085112
Application Number:	14551606
Application Number:	15075437
Application Number:	14861326
Application Number:	14616226
Application Number:	14541754
Application Number:	14992739
Application Number:	14550019
Application Number:	14796646
Application Number:	14935767
Application Number:	14825375
Application Number:	14699746
Application Number:	14307902
Application Number:	14595756
Application Number:	14930933
Application Number:	14727458
Application Number:	13957587
Application Number:	14750741
Application Number:	14740987
Application Number:	15255628
Application Number:	14753407
Application Number:	14795984
Application Number:	15282836

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Property Type	Number
Application Number:	15252586
Application Number:	15181992
Application Number:	15168725
Application Number:	15179393
Application Number:	15420467
Application Number:	14862894
Application Number:	15179992
Application Number:	14953426
Application Number:	14962015
Application Number:	15233315
Application Number:	15232300
Application Number:	15096818
Application Number:	15277732
Application Number:	15342440
Application Number:	15158827
Application Number:	15278925
Application Number:	15289158
Application Number:	15202994
Application Number:	15289161
Application Number:	15156651
Application Number:	14824360
Application Number:	15342794
Application Number:	15272919
Application Number:	15342396
Application Number:	15183390
Application Number:	15623758
Application Number:	15443523
Application Number:	14829843
Application Number:	15291750
Application Number:	15423945
Application Number:	15353352
Application Number:	14928719
Application Number:	15594757
Application Number:	15426573
Application Number:	15445481
Application Number:	15618880
Application Number:	14981574
Application Number:	15258597

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Property Type	Number
Application Number:	15202983
Application Number:	15267887
Application Number:	15462644
Application Number:	15422923
Application Number:	15240554
Application Number:	15624156
Application Number:	15363563
Application Number:	15298648
Application Number:	15419346
Application Number:	15170134
Application Number:	14920354
Application Number:	15623691
Application Number:	15276372
Application Number:	14789476
Application Number:	14824349
Application Number:	14992319
Application Number:	15004751
Application Number:	15055571
Application Number:	15178871
Application Number:	15190778
Application Number:	15196335
Application Number:	15198570
Application Number:	15200716
Application Number:	15224139
Application Number:	15227142
Application Number:	15244067
Application Number:	15251804
Application Number:	15276060
Application Number:	15292184
Application Number:	15343776
Application Number:	15357287
Application Number:	15363607
Application Number:	15432372
Application Number:	15484173
Application Number:	15484309
Application Number:	15625360
Application Number:	15631385
Application Number:	15641861

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Property Type	Number
Application Number:	15689565
Application Number:	15689645
Application Number:	15782380
Application Number:	15792206
Application Number:	15801458
Application Number:	15815857
Application Number:	15817554
Application Number:	15825409
Application Number:	15847028
Application Number:	15876606
Application Number:	15890859
Application Number:	15901447
Application Number:	15911892
Application Number:	15925051
Application Number:	15936149
Application Number:	15956082
Application Number:	13036113
Application Number:	13584055
Application Number:	13611652
Application Number:	13464966
Application Number:	13711813
Application Number:	13548237
Application Number:	13654717
Application Number:	13676575
Application Number:	13759156
Application Number:	12955388
Application Number:	14223545
Application Number:	13568839
Application Number:	14226488
Application Number:	14242046
Application Number:	14333135
Application Number:	13419286
Application Number:	13948249
Application Number:	13909328
Application Number:	14155499
Application Number:	13948146
Application Number:	15149286
Application Number:	15085376

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Property Type	Number
Application Number:	14943663
Application Number:	14699427
Application Number:	09161258
Application Number:	14954050
Application Number:	14870932
Application Number:	14195484
Application Number:	14930895
Application Number:	14817504
Application Number:	14876212
Application Number:	14849269
Application Number:	15232246
Application Number:	14805527
Application Number:	14964786
Application Number:	14926936
Application Number:	14862258
Application Number:	15157861
Application Number:	13902540
Application Number:	14850093
Application Number:	15046916
Application Number:	14964746
Application Number:	14960380
Application Number:	14553863
Application Number:	14810143
Application Number:	15153249
Application Number:	15175835
Application Number:	14162904
Application Number:	15254096
Application Number:	15224091
Application Number:	15208121
Application Number:	14827510
Application Number:	14841951
Application Number:	14799297
Application Number:	14952549
Application Number:	14608729
Application Number:	14839108
Application Number:	15283951
Application Number:	15087074
Application Number:	15092272

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Property Type	Number
Application Number:	15462657
Application Number:	15181676
Application Number:	15482040
Application Number:	15483346
Application Number:	15847186
Application Number:	13012142
Application Number:	13012879
Application Number:	13012836
Application Number:	13012821
Application Number:	09628382
Application Number:	13278552
Application Number:	14150954
Application Number:	12696417
Application Number:	13481062
Application Number:	13555252
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Application Number:	11855979
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Application Number:	13252152
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Application Number:	12550048
Application Number:	12778897
Application Number:	13445194
Application Number:	12107573
Application Number:	12177533
Application Number:	12286874
Application Number:	09809766

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Property Type	Number
Application Number:	13475503
Application Number:	13135031
Application Number:	14057064
Application Number:	12411397
Application Number:	12494671
Application Number:	12360538
Application Number:	12778130
Application Number:	12776444
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Application Number:	14852897
Application Number:	15120692
Application Number:	15845313
Application Number:	10384350
Application Number:	10384398
Application Number:	10904582
Application Number:	10336988
Application Number:	14027939
Application Number:	12658615
Application Number:	12780962
Application Number:	12781514
Application Number:	11755245
Application Number:	11778045
Application Number:	10408339
Application Number:	11949426
Application Number:	09994340
Application Number:	09965919
Application Number:	10447018
Application Number:	10261390
Application Number:	11150565
Application Number:	09525088
Application Number:	11233423
Application Number:	09421105
Application Number:	11003574
Application Number:	11021681
Application Number:	11087793
Application Number:	11165330

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Property Type	Number
Application Number:	11173257
Application Number:	11127175
Application Number:	11290787
Application Number:	11411353
Application Number:	11356267
Application Number:	11240468
Application Number:	11410695
Application Number:	11110165
Application Number:	11530145
Application Number:	11551390
Application Number:	12887182
Application Number:	11521219
Application Number:	11958254
Application Number:	11189765
Application Number:	11461428
Application Number:	14030048
Application Number:	13778314
Application Number:	13907237
Application Number:	13945445
Application Number:	13945415
Application Number:	13964009
Application Number:	14060874
Application Number:	14223373
Application Number:	12014959
Application Number:	12244145
Application Number:	10673648
Application Number:	12890051
Application Number:	11082973
Application Number:	12014501
Application Number:	14189682
Application Number:	10837395
Application Number:	13281715
Application Number:	13281688
Application Number:	13281749
Application Number:	13965511
Application Number:	13281732
Application Number:	12912897
Application Number:	14830131

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Property Type	Number
Application Number:	11305584
Application Number:	11218397
Application Number:	14982474
Application Number:	13474090
Application Number:	13218988
Application Number:	11128389
Application Number:	11243595
Application Number:	09209413
Application Number:	09359291
Application Number:	09670741
Application Number:	11458120
Application Number:	12721738
Application Number:	14083571
Application Number:	13171657
Application Number:	13907690
Application Number:	14710894
Application Number:	14743511
Application Number:	15252315
Application Number:	15273777
Application Number:	14984688
Application Number:	14812425
Application Number:	14461769
Application Number:	09221198
Application Number:	14538944
Application Number:	13451947
Application Number:	14739662
Application Number:	14800970
Application Number:	14718402
Application Number:	15162151
Application Number:	09586518
Application Number:	09586505
Application Number:	13097307
Application Number:	14073919
Application Number:	13834946
Application Number:	13906852
Application Number:	14599873
Application Number:	14839378
Application Number:	12060075

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Property Type	Number
Application Number:	12142239
Application Number:	12366356
Application Number:	11771501
Application Number:	11764678
Application Number:	11683590
Application Number:	11683648
Application Number:	14876011
Application Number:	11970100
Application Number:	12027675
Application Number:	11137234
Application Number:	14577431
Application Number:	15179620
Application Number:	15287134
Application Number:	14587655
Application Number:	14583842
Patent Number:	9922883
Application Number:	14925630
Application Number:	14618498
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Application Number:	14685745
Application Number:	13490840
Application Number:	14295618
Application Number:	14280998
Application Number:	14300506
Application Number:	14297822
Application Number:	14308045
Application Number:	14296818
Application Number:	14670800
Application Number:	14512700
Application Number:	14312418
Application Number:	14588318
Application Number:	14581741
Application Number:	14668482
Application Number:	14974589
Application Number:	15285985

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Property Type	Number
Application Number:	14281021
Application Number:	14307011
Application Number:	14560255
Application Number:	15156506
Application Number:	14584161
Application Number:	14288766
Application Number:	14669055
Application Number:	14584639
Application Number:	14751380
Application Number:	15073100
Application Number:	15471733
Application Number:	15178853
Application Number:	15472556
Application Number:	15396743
Application Number:	14739543
Application Number:	14867797
Application Number:	15168382
Application Number:	15180860
Application Number:	15181843
Application Number:	15222261
Application Number:	15273778
Application Number:	15340491
Application Number:	15343021
Application Number:	15359953
Application Number:	15693938
Application Number:	15693952
Application Number:	14676345
Application Number:	14588221
Application Number:	14581857
Application Number:	14879968
Application Number:	15890880
Application Number:	14015531
Application Number:	15417848
Application Number:	11027980
Application Number:	14887984
Application Number:	13915417
Application Number:	14953702
Application Number:	14797337

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Property Type	Number
Application Number:	15645395
Application Number:	15489404
Application Number:	14168112
Application Number:	14175215
Application Number:	14189509
Application Number:	14161721
Application Number:	14165039
Application Number:	13725837
Patent Number:	7674705
Patent Number:	6518670
Patent Number:	6764951
Patent Number:	6794901
Patent Number:	7466164
Patent Number:	8053303
Patent Number:	7049209

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PATENT
REEL: 049490 FRAME: 0373

PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT (this "IP Security Agreement"), dated as of November 27, 2018, by and between the Person listed on the signature pages hereof (the "Grantor") and WILMINGTON TRUST, NATIONAL ASSOCIATION, as collateral agent for the Secured Parties (in such capacity, together with its successors in such capacity, the "Collateral Agent").

A. Capitalized terms used herein and not otherwise defined herein (including terms used in the preamble and the recitals) shall have the meanings assigned to such terms in the Security Agreement, dated as of August 27, 2018 (the "Security Agreement"), among GLOBALFOUNDRIES INC., an exempted company incorporated with limited liability under the laws of the Cayman Islands (the "Company"), GLOBALFOUNDRIES BORROWER LLC, a Delaware limited liability company (the "Co-Borrower" and together with the Company, the "Borrowers"), each of the subsidiaries of the Company (as defined in the Security Agreement) listed on Schedule 1 thereto or that become a party hereto pursuant to Section 7.13 thereof (each such subsidiary, individually, a "Subsidiary Grantor" and, collectively, the "Subsidiary Grantors"; together with the Company and the Co-Borrower, collectively, the "Grantors") and WILMINGTON TRUST, NATIONAL ASSOCIATION, as collateral agent for the Secured Parties (in such capacity, the "Collateral Agent").

B. The rules of construction and other interpretive provisions specified in the Credit Agreement shall apply to this Supplement, including terms defined in the preamble and recitals hereto.

C. Pursuant to Section 4.4(e) of the Security Agreement, Grantor has agreed to execute or otherwise authenticate and deliver this IP Security Agreement for recording the Security Interest granted under the Security Agreement to the Collateral Agent in such Grantor's U.S. Registered Intellectual Property with the United States Patent and Trademark Office and any other Governmental Authorities located in the United States necessary to perfect the Security Interest hereunder in such U.S. Registered Intellectual Property.

Accordingly, the Collateral Agent and Grantor agree as follows:

SECTION 1. Grant of Security. The Grantor hereby grants to the Collateral Agent for the benefit of the Secured Parties a security interest in all of such Grantor's right, title and interest in and to the United States Patent registrations and applications set forth in Schedule A hereto (collectively, the "Collateral").

SECTION 2. Security for Obligations. The grant of a security interest in the Collateral by Grantor under this IP Security Agreement secures the payment of all amounts that constitute part of the Obligations and would be owed to the Collateral Agent or the Secured Parties but for the fact that they are unenforceable or not allowable due to the existence of a bankruptcy, reorganization or similar proceeding involving Grantor.

SECTION 3. Recordation. Grantor authorizes and requests that the Commissioner for Patents and any other applicable governmental officer located in the United States record this IP Security Agreement.

SECTION 4. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 5. Counterparts. This IP Security Agreement may be executed by one or more of the parties to this IP Security Agreement on any number of separate counterparts (including by facsimile or other electronic transmission (*i.e.*, a "pdf" or "tif")), and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

SECTION 6. GOVERNING LAW. THIS AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

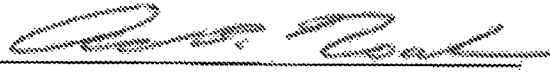
SECTION 7. Severability. Any provision of this IP Security Agreement that is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof and in the Security Agreement, and any such prohibition or unenforceability in any jurisdiction shall not invalidate or render unenforceable such provision in any other jurisdiction. The parties hereto shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 8. Notices. All notices, requests and demands pursuant hereto shall be made in accordance with Section 13.2 of the Credit Agreement. All communications and notices hereunder to Grantor shall be given to it in care of the Borrower at the Borrower's address set forth in Section 13.2 of the Credit Agreement (whether or not then in effect).

SECTION 9. Expenses. Grantor agrees to reimburse the Collateral Agent for its reasonable and documented out-of-pocket expenses in connection with this IP Security Agreement, including the reasonable and documented fees, other charges and disbursements of counsel for the Collateral Agent.

IN WITNESS WHEREOF, Grantor and the Collateral Agent have duly executed this Agreement as of the day and year first above written.

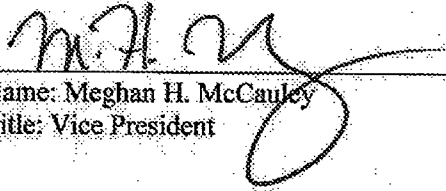
GLOBALFOUNDRIES Inc.,

By: 
Name: Adam P. Noah
Title: VP and Chief IP Counsel

**WILMINGTON TRUST, NATIONAL
ASSOCIATION,**
as Collateral Agent

By: _____
Name:
Title:

**WILMINGTON TRUST, NATIONAL
ASSOCIATION,**
as Collateral Agent

By: 
Name: Meghan H. McCauley
Title: Vice President

[Signature Page to Patent Security Agreement]

**PATENT
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**SCHEDULE A TO THE
PATENT SECURITY AGREEMENT**

UNITED STATES REGISTERED AND APPLIED FOR PATENTS

**PATENT
REEL: 049490 FRAME: 0378**

Title	Patent Number	Patent Date	Application Number	Application Date	Owner	Status
DECOUPLING CAPACITOR FOR SEMICONDUCTORS	N/A	N/A	14/203714	2014-06-13	GLOBALFOUNDRIES Inc.	Pending
MODIFIED TUNGSTEN SILICON	10096609	2018-10-09	14/622997	2015-02-16	GLOBALFOUNDRIES Inc.	Granted
MODIFIED TUNGSTEN SILICON	N/A	N/A	14/623115	2015-02-16	GLOBALFOUNDRIES Inc.	Pending
SCANNING PROBE WITH TWIN-NANOPORE OR A SINGLE-NANOPORE FOR SENSING BIOMOLECULES	10082483	2018-09-25	14/626191	2015-02-19	GLOBALFOUNDRIES Inc.	Granted
METHOD, APPARATUS AND SYSTEM FOR ADVANCED CHANNEL CMOS INTEGRATION	N/A	N/A	14/630529	2015-02-24	GLOBALFOUNDRIES Inc.	Pending
METHOD AND DEVICE FOR COOLING A HEAT GENERATING COMPONENT	N/A	N/A	14/632194	2015-02-26	GLOBALFOUNDRIES Inc.	Pending
METHODS FOR FABRICATING SEMICONDUCTOR STRUCTURE WITH CONDENSED SILICON GERMANIUM LAYER	N/A	N/A	14/633246	2015-02-27	GLOBALFOUNDRIES Inc.	Pending
COIL INDUCTOR	N/A	N/A	14/634978	2015-03-02	GLOBALFOUNDRIES Inc.	Pending
REMOVAL OF INTEGRATED CIRCUIT CHIPS FROM A WAFER	N/A	N/A	14/636679	2015-03-03	GLOBALFOUNDRIES Inc.	Pending
SYSTEMATIC DEFECTS INSPECTION METHOD WITH COMBINED EB/SEM INSPECTION AND NET TRACING CLASSIFICATION	N/A	N/A	14/689088	2015-04-17	GLOBALFOUNDRIES Inc.	Pending
EDGE TRIM PROCESSES AND RESULTANT STRUCTURES	N/A	N/A	14/718747	2015-05-21	GLOBALFOUNDRIES Inc.	Pending
METHODS OF FORMING VOID STRUCTURES FOR SEMICONDUCTOR DEVICES BY FORMING A PROTECTION LAYER WITH A NON-UNIFORM THICKNESS	N/A	N/A	14/732038	2015-06-05	GLOBALFOUNDRIES Inc.	Pending
TEST STRUCTURES FOR DIELECTRIC RELIABILITY EVALUATIONS	10103060	2018-10-16	14/742895	2015-06-18	GLOBALFOUNDRIES Inc.	Granted
DETECTING A VOID BETWEEN A VIA AND A WIRING LINE	10103068	2018-10-16	14/743208	2015-06-18	GLOBALFOUNDRIES Inc.	Granted
DEVICE STRUCTURES FOR A SILICON-ON-INSULATOR SUBSTRATE WITH A HIGH RESISTANCE HANDLE WAFER	N/A	N/A	14/745704	2015-06-22	GLOBALFOUNDRIES Inc.	Pending
ORGANIC PROBE SUBSTRATE	N/A	N/A	14/755733	2015-06-30	GLOBALFOUNDRIES Inc.	Pending
METHOD FOR RECESSING A CARBON-DOPED LAYER OF A SEMICONDUCTOR STRUCTURE	N/A	N/A	14/812046	2015-07-29	GLOBALFOUNDRIES Inc.	Pending
PLANAR METROLOGY PAD ADJACENT A SET OF FINS OF A FIN FIELD EFFECT TRANSISTOR DEVICE	N/A	N/A	14/816708	2015-08-03	GLOBALFOUNDRIES Inc.	Pending
SHALLOW TRENCH ISOLATION	N/A	N/A	14/824361	2015-08-12	GLOBALFOUNDRIES Inc.	Pending
PROCESS DESIGN KIT FOR EFFICIENT AND ACCURATE MISMATCH SIMULATION OF ANALOG CIRCUITS	N/A	N/A	14/826250	2015-08-14	GLOBALFOUNDRIES Inc.	Pending
METHOD, APPARATUS, AND SYSTEM FOR PASSIVE DIE STRAIN MEASUREMENT	N/A	N/A	14/830214	2015-08-19	GLOBALFOUNDRIES Inc.	Pending
QUANTITATIVE COLLABORATION TOOL FOR HIERARCHICAL MODELLING	N/A	N/A	14/920376	2015-10-22	GLOBALFOUNDRIES Inc.	Pending
METHOD, APPARATUS AND SYSTEM FOR WIDE METAL LINE FOR SADP ROUTING	N/A	N/A	15/200475	2016-07-01	GLOBALFOUNDRIES Inc.	Pending
CONTACT GEOMETRY HAVING A GATE SILICON LENGTH DECOUPLED FROM A TRANSISTOR LENGTH	N/A	N/A	15/201838	2016-07-05	GLOBALFOUNDRIES Inc.	Pending
FORMING MULTI-SIZED THROUGH-SILICON-VIA (TSV) STRUCTURES	N/A	N/A	15/378122	2016-12-14	GLOBALFOUNDRIES Inc.	Pending
POLY GATE EXTENSION SOURCE TO BODY CONTACT	N/A	N/A	15/378990	2016-12-14	GLOBALFOUNDRIES Inc.	Pending
METHOD AND SYSTEM FOR NON-DESTRUCTIVE METROLOGY OF THIN LAYERS	N/A	N/A	PCT/US16/601 47	2016-11-02	GLOBALFOUNDRIES Inc.	Pending
METHOD OF SIMULTANEOUS LITHOGRAPHY AND ETCH CORRECTION FLOW	N/A	N/A	PCT/US2016/0 40276	2016-06-30	GLOBALFOUNDRIES Inc.	Pending
METHOD AND APPARATUS FOR REDUCING THRESHOLD VOLTAGE MISMATCH IN AN INTEGRATED CIRCUIT	N/A	N/A	15/097861	2016-04-13	GLOBALFOUNDRIES Inc.	Pending

REMOVAL OF SEMICONDUCTOR GROWTH DEFECTS	949627	2016-11-15	14/318822	2014-06-30	GLOBALFOUNDRIES Inc. and International Business Machine Corporation	Granted
JUNCTION OVERLAP CONTROL IN A SEMICONDUCTOR DEVICE USING A SACRIFICIAL SPACER LAYER	9530864	2016-12-27	14/314404	2014-06-25	GLOBALFOUNDRIES Inc. and International Business Machine Corporation	Granted
FIELD EFFECT TRANSISTOR DEVICE SPACERS	9536981	2017-01-03	14/868414	2015-09-29	GLOBALFOUNDRIES Inc. and International Business Machine Corporation	Granted
SEMICONDUCTOR DEVICE WITH A MEMORY DEVICE AND A HIGH-K METAL GATE TRANSISTOR	N/A	N/A	15/140616	2016-04-28	N/A	Pending
PHASE SHIFT MASK AND SYSTEM AND METHOD FOR MAKING THE SAME	6534224	2003-03-18	09/772577	2001-01-30	AMD Technology Law Department (Company will update ownership to GLOBALFOUNDRIES Inc.)	Granted
SEMICONDUCTOR-ON-INSULATOR (SOI) TUNNELING JUNCTION TRANSISTOR	6566680	2003-05-20	09/772610	2001-01-30	AMD Technology Law Department (Company will update ownership to GLOBALFOUNDRIES Inc.)	Granted
INTEGRATED CIRCUITS WITH RESISTOR STRUCTURES FORMED FROM MIM CAPACITOR MATERIAL AND METHODS FOR FABRICATING SAME	10115719	2018-10-30	14/928272	2015-10-30	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING A GATE CAP LAYER ABOVE A REPLACEMENT GATE STRUCTURE	N/A	N/A	14/928681	2015-10-30	GLOBALFOUNDRIES Inc.	Pending
IN-SITU CONTACTLESS MONITORING OF PHOTOMASK PELLICLE DEGRADATION	N/A	N/A	14/932372	2015-11-04	GLOBALFOUNDRIES Inc.	Pending
STRUCTURE WITH SELF ALIGNED RESIST LAYER ON AN INTERCONNECT SURFACE AND METHOD OF MAKING SAME	N/A	N/A	14/932409	2015-11-04	GLOBALFOUNDRIES Inc.	Pending
METAL RESISTOR FORMING METHOD USING ION IMPLANTATION	N/A	N/A	14/932441	2015-11-04	GLOBALFOUNDRIES Inc.	Pending
METHOD, APPARATUS, AND SYSTEM FOR STACKED CMOS LOGIC CIRCUITS ON FINs	N/A	N/A	14/934042	2015-11-05	GLOBALFOUNDRIES Inc.	Pending
ON-CHIP SENSOR FOR MONITORING ACTIVE CIRCUITS ON INTEGRATED CIRCUIT (IC) CHIPS	N/A	N/A	14/945520	2015-11-19	GLOBALFOUNDRIES Inc.	Pending
WAFER HANDLER FOR INPARSED LASER RELEASE	N/A	N/A	14/964228	2015-12-09	GLOBALFOUNDRIES Inc.	Pending
MULTIPLE PATTERNING METHOD FOR SUBSTRATE	N/A	N/A	14/967755	2015-12-14	GLOBALFOUNDRIES Inc.	Pending
PATTERNED MAGNETIC SHIELDS FOR INDUCTORS AND TRANSFORMERS	N/A	N/A	14/969772	2015-12-15	GLOBALFOUNDRIES Inc.	Pending
SEMICONDUCTOR STRUCTURE HAVING SILICON GERMANIUM FINs AND METHOD OF FABRICATING SAME	N/A	N/A	14/974136	2015-12-18	GLOBALFOUNDRIES Inc.	Pending
SELF ALIGNED VIA FUSE	N/A	N/A	14/975726	2015-12-19	GLOBALFOUNDRIES Inc.	Pending
METHODOLOGY FOR EARLY DETECTION OF TS TO PC SHORT ISSUE	N/A	N/A	14/989109	2016-01-06	GLOBALFOUNDRIES Inc.	Pending
PRECUT METAL LINES	N/A	N/A	14/990653	2016-01-07	GLOBALFOUNDRIES Inc.	Pending
METHODOLOGY FOR PROFILE CONTROL AND CAPACTANCE REDUCTION	N/A	N/A	14/993238	2016-01-12	GLOBALFOUNDRIES Inc.	Pending
SIGNAL DETECTION METHODOLOGY FOR FABRICATION CONTROL	N/A	N/A	14/993320	2016-01-12	GLOBALFOUNDRIES Inc.	Pending
MULTIPLE THRESHOLD VOLTAGES USING FIN PITCH AND PROFILE	N/A	N/A	15/001903	2016-01-20	GLOBALFOUNDRIES Inc.	Pending
VERTICALLY STACKED INDUCTORS AND TRANSFORMERS	N/A	N/A	15/003532	2016-01-21	GLOBALFOUNDRIES Inc.	Pending
RESISTANCE MEASUREMENT-DEPENDENT INTEGRATED CIRCUIT CHIP RELIABILITY ESTIMATION	N/A	N/A	15/005819	2016-01-25	GLOBALFOUNDRIES Inc.	Pending
DICING CHANNELS FOR GLASS INTERPOSERS	N/A	N/A	15/010868	2016-01-29	GLOBALFOUNDRIES Inc.	Pending
MULTIPLE CONTACT PROBE HEAD DISASSEMBLY METHOD AND SYSTEM	N/A	N/A	15/013106	2016-02-02	GLOBALFOUNDRIES Inc.	Pending
MEMORY BUILT-IN SELF-TEST (MBIST) TEST TIME REDUCTION	N/A	N/A	15/019590	2016-02-09	GLOBALFOUNDRIES Inc.	Pending

INTERCONNECT STRUCTURE AND METHOD OF FORMING	N/A	N/A	15/048114	2016-02-19	GLOBALFOUNDRIES Inc.	Pending
IN-SITU EUV COLLECTOR CLEANING UTILIZING A CRYOGENIC PROCESS	N/A	N/A	15/062257	2016-03-07	GLOBALFOUNDRIES Inc.	Pending
PROCESSOR WITH CONTENT ADDRESSABLE MEMORY (CAM) AND MONITOR COMPONENT	N/A	N/A	15/062302	2016-03-07	GLOBALFOUNDRIES Inc.	Pending
METHOD, APPARATUS AND SYSTEM FOR A HIGH DENSITY MIDDLE OF LINE FLOW	N/A	N/A	15/067540	2016-03-11	GLOBALFOUNDRIES Inc.	Pending
INTEGRATED CIRCUIT PACKAGE USING POLYMER-SOLDER BALL STRUCTURES AND FORMING METHODS	N/A	N/A	15/072655	2016-03-17	GLOBALFOUNDRIES Inc.	Pending
COMPACT DEVICE STRUCTURES FOR A BIPOLAR JUNCTION TRANSISTOR	N/A	N/A	15/081443	2016-03-25	GLOBALFOUNDRIES Inc.	Pending
FINEMET WITH MULTILAYER FINS FOR MULTI-VALUE LOGIC (MVL) APPLICATIONS AND METHOD OF FORMING	N/A	N/A	15/082103	2016-03-28	GLOBALFOUNDRIES Inc.	Pending
METHODS OF FORMING SOURCE/DRAIN REGIONS ON FINEMET DEVICES	N/A	N/A	15/092168	2016-04-06	GLOBALFOUNDRIES Inc.	Pending
THREE-DIMENSIONAL PATTERN RISK SCORING	N/A	N/A	15/096551	2016-04-12	GLOBALFOUNDRIES Inc.	Pending
SEMICONDUCTOR WAFER INSPECTION USING CARE AREA GROUP-SPECIFIC THRESHOLD SETTINGS FOR DETECTING DEFECTS	N/A	N/A	15/175101	2016-06-07	GLOBALFOUNDRIES Inc.	Pending
STANDARD CELL LAYOUT AND METHOD OF ARRANGING A PLURALITY OF STANDARD CELLS	N/A	N/A	15/177417	2016-06-09	GLOBALFOUNDRIES Inc.	Pending
METHOD FOR MAKING STRAINED SEMICONDUCTOR DEVICE AND RELATED METHODS	N/A	N/A	15/180158	2016-06-13	GLOBALFOUNDRIES Inc.	Pending
RECONFIGURABLE MOS VARACTOR	N/A	N/A	15/181834	2016-06-14	GLOBALFOUNDRIES Inc.	Pending
METHOD, APPARATUS AND SYSTEM FOR FABRICATING SELF-ALIGNED CONTACT USING BLOCK-TYPE HARD MASK	N/A	N/A	15/182487	2016-06-14	GLOBALFOUNDRIES Inc.	Pending
FEED-FORWARD FOR SILICON INSPECTIONS (DFM2CFM)	N/A	N/A	15/184164	2016-06-16	GLOBALFOUNDRIES Inc.	Pending
METHOD OF FORMING A GATE CONTACT STRUCTURE AND SOURCE/DRAIN CONTACT STRUCTURE FOR A SEMICONDUCTOR DEVICE	N/A	N/A	15/194682	2016-06-28	GLOBALFOUNDRIES Inc.	Pending
NITROGENATED GATE STRUCTURE FOR IMPROVED TRANSISTOR PERFORMANCE AND METHOD FOR MAKING SAME	5936287	1999-08-10	09/189279	1998-11-10	GLOBALFOUNDRIES Inc.	Granted
PRE-AMORPHIZATION PROCESS FOR SOURCE/DRAIN JUNCTION	5953615	1999-09-14	09/238359	1999-01-27	GLOBALFOUNDRIES Inc.	Granted
GRADED BR FOR C4 BUMPS TECHNOLOGY	5965945	1999-10-12	09/189922	1998-11-12	GLOBALFOUNDRIES Inc.	Granted
MANUFACTURING CAPPING LAYER FOR THE FABRICATION OF COBALT SALICIDE STRUCTURES	5970370	1999-10-19	09/208597	1998-12-08	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE PROCESS FOR FORMING ULTRA-SHALLOW SOURCE/DRAIN EXTENSIONS AND POKKET IN ULTIMOSEFT	5985726	1999-11-16	09/187635	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
ARGON DOPED EPITAXIAL LAYERS FOR INHIBITING PUNCTROUGH WITHIN A SEMICONDUCTOR DEVICE	6005285	1999-12-21	09/205321	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF CHROME/PHASE GRATING PHASE SHIFT MASK BY INTERFEROMETRIC LITHOGRAPHY	6013396	2000-01-11	09/183522	1998-10-30	GLOBALFOUNDRIES Inc.	Granted
REWORKABLE EUV MASK MATERIALS	6013399	2000-01-11	09/205958	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN RESIST AND NITRIDE/OXIDE HARD MASK FOR METAL ETCH	6020269	2000-02-01	09/203461	1998-12-02	GLOBALFOUNDRIES Inc.	Granted
ADJUSTMENT OF PARTICLE BEAM LANDING ANGLE	6028662	2000-02-22	09/320534	1999-05-26	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR UNIFORM, X HEATING PHOTORESIST	6034771	2000-03-07	09/185981	1998-11-04	GLOBALFOUNDRIES Inc.	Granted
CRITICAL DIMENSION EQUALIZATION ACROSS THE FIELD BY SECOND BLANKET EXPOSURE AT LOW DOSE OVER BLEACHABLE RESIST	6040118	2000-03-21	09/183356	1998-10-30	GLOBALFOUNDRIES Inc.	Granted

METHOD AND APPARATUS FOR OPTIMIZING MEMORY PERFORMANCE WITH OPPORTUNISTIC REFRESHING	6046952	2000-04-04	09/205978	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
BACKSIDE POLISH EUV MASK AND METHOD OF MANUFACTURE	6048652	2000-04-11	09/205791	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR INTERCONNECT BARRIER FOR FLUORINATED DIELECTRICS	6054398	2000-04-25	09/211735	1999-05-14	GLOBALFOUNDRIES Inc.	Granted
MARK PROTECTION SCHEME WITH NO MASKING	6057206	2000-05-02	09/410526	1999-10-01	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING DUAL LAYER PROTECTIVE BARRIER COPPER METALLIZATION	6059940	2000-05-09	09/205583	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
ANTIREFLECTIVE SILICONOXYNITRIDE HARDMASK LAYER USED DURING ETCHING PROCESSES IN INTEGRATED CIRCUIT FABRICATION	6060380	2000-05-09	09/187391	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PREVENTING COPPER DENDRITE FORMATION AND GROWTH	6074949	2000-06-13	09/199348	1998-11-25	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MAKING ELECTRICAL CONTACT TO A SUBSTRATE DURING ELECTROPLATING	6077405	2000-06-20	09/181129	1998-10-28	GLOBALFOUNDRIES Inc.	Granted
LOW DIELECTRIC SEMICONDUCTOR DEVICE WITH RIGID LINED INTERCONNECTION SYSTEM	6078088	2000-06-20	09/225541	1999-01-05	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR INTERCONNECT INTERFACE PROCESSING BY HIGH PRESSURE DEPOSITION	6080669	2000-06-27	09/225644	1999-01-05	GLOBALFOUNDRIES Inc.	Granted
COBALL SILICIDATION USING TUNGSTEN NITRIDE CAPPING LAYER	6083817	2000-07-04	09/323818	1999-06-02	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF A VIA PLUG HAVING HIGH ASPECT RATIO WITH A DIFFUSION BARRIER LAYER EFFECTIVELY SURROUNDING THE VIA PLUG	6083842	2000-07-04	09/253479	1999-02-19	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR HAVING A METAL SILICIDE SELF-ALIGNED TO THE GATE	6084280	2000-07-04	09/173233	1998-10-15	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR EFFECTIVE FABRICATION OF A FIELD EFFECT TRANSISTOR WITH ELEVATED DRAIN AND SOURCE CONTACT STRUCTURES	6087235	2000-07-11	09/418276	1999-10-14	GLOBALFOUNDRIES Inc.	Granted
SPOT-TO-SPOT STITCHING IN ELECTRON BEAM LITHOGRAPHY UTILIZING SQUARE APERTURE WITH SERRATED EDGE	6090528	2000-07-18	09/423601	1999-10-27	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FABRICATING A SEMICONDUCTOR STRUCTURE HAVING A SELF-ALIGNED SPACER	6090722	2000-07-18	09/225595	1999-01-06	GLOBALFOUNDRIES Inc.	Granted
BLAZED GRATING MEASUREMENTS OF LITHOGRAPHIC LENS ABERRATIONS	6091486	2000-07-18	09/225339	1999-01-05	GLOBALFOUNDRIES Inc.	Granted
MECHANISM FOR SYNCHRONIZING SERVICE OF INTERRUPTS BY A PLURALITY OF DATA PROCESSORS	6092143	2000-07-18	09/175709	1998-10-20	GLOBALFOUNDRIES Inc.	Granted
DUAL DAMASCENE STRUCTURE FORMED IN A SINGLE PHOTORESIST FILM	6093508	2000-07-25	09/226765	1999-01-06	GLOBALFOUNDRIES Inc.	Granted
METHOD TO SELECTIVELY ELECTROPLATE CONDUCTIVE MATERIAL INTO TRENCHES	6093647	2000-07-25	09/186053	1998-11-03	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR CONTROLLING TRANSMISSION PARAMETERS OF HOME NETWORK STATIONS TRANSMITTING ON A TELEPHONE LINE MEDIUM	6094441	2000-07-25	09/182988	1998-10-30	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF JUNCTIONS BY DIFFUSION FROM A DOPED FILM INTO AND THROUGH A SILICIDE DURING SILICIDATION	6096599	2000-08-01	09/187521	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING EFFECTIVE CHANNEL LENGTH OF SEMICONDUCTOR DEVICE BY NON-DOPING IMPLANTATION AT ELEVATED ENERGIES	6096628	2000-08-01	09/187524	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
COPPER/LOW DIELECTRIC INTERCONNECT FORMATION WITH REDUCED ELECTROMIGRATION	6096648	2000-08-01	09/237584	1999-01-26	GLOBALFOUNDRIES Inc.	Granted

MOSFET STRUCTURE AND PROCESS FOR LOW GATE INDUCED DRAIN LEAKAGE (GILD)	60977070	2000-08-01	09/250881	1999-02-16	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR CONTROLLING TRANSMISSION PARAMETERS OF SELECTED HOME NETWORK STATIONS TRANSMITTING ON A TELEPHONE MEDIUM	6097732	2000-08-01	09/182987	1998-10-30	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR CONTROLLING REFLECTION RETICLE TEMPERATURE IN MICROITHOGRAPHY	6098408	2000-08-08	09/189228	1998-11-11	GLOBALFOUNDRIES Inc.	Granted
LOW DIELECTRIC CONSTANT COATING OF CONDUCTIVE MATERIAL IN A DAMASCENE PROCESS FOR SEMICONDUCTORS	6100181	2000-08-08	09/305906	1999-05-05	GLOBALFOUNDRIES Inc.	Granted
EAST CHIP BRASE MODE FOR NON-VOLATILE MEMORY	6101129	2000-08-08	09/291984	1999-04-14	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR CONTROLLING POLISHING OF INTEGRATED CIRCUIT SUBSTRATES	6102776	2000-08-15	09/225597	1999-01-06	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING RELIABLE COPPER INTERCONNECTS WITH IMPROVED HOLE FILLING	6103086	2000-08-15	09/225539	1999-01-05	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING DISPOSABLE CHANNEL MASKING FOR BOTH SOURCE/DRAIN AND LDD IMPLANT AND SUBSEQUENT GATE FABRICATION	6103559	2000-08-15	09/282033	1999-03-30	GLOBALFOUNDRIES Inc.	Granted
METHOD OF IMPROVING CU DAMASCENE INTERCONNECT RELIABILITY BY LASER ANNEAL BEFORE BARRIER POLISH	6103624	2000-08-15	09/293559	1999-04-15	GLOBALFOUNDRIES Inc.	Granted
VARIABLE GAIN RF AMPLIFIER WITH SWITCHABLE BIAS INJECTION AND FEEDBACK	6104246	2000-08-15	09/318145	1999-05-25	GLOBALFOUNDRIES Inc.	Granted
MECHANISM FOR MINIMIZING OVERHEAD USAGE OF A HOST SYSTEM BY POLLING FOR SUBSEQUENT INTERRUPTS AFTER SERVICE OF A PRIOR INTERRUPT	6105102	2000-08-15	09/174037	1998-10-16	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR FORMING A COPPER INTERCONNECT SIMPLIFIED METHOD OF PATTERNING POLYSILICON GATE IN A SEMICONDUCTOR DEVICE	6106680	2000-08-22	09/237573	1999-01-26	GLOBALFOUNDRIES Inc.	Granted
HIGH PLANARITY HIGH-DENSITY IN-LAID METALLIZATION PATTERNS BY DAMASCENE-CMP PROCESSING	6107167	2000-08-22	09/366216	1999-08-02	GLOBALFOUNDRIES Inc.	Granted
METHOD TO MANUFACTURE MULTIPLE DAMASCENE BY UTILIZING ETCH SELECTIVITY	6107186	2000-08-22	09/238051	1999-01-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SLURRY POLISHING	6110832	2000-08-29	09/201050	1999-04-28	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE THRESHOLD VOLTAGE TRANSISTOR IMPLEMENTED BY A DAMASCENE PROCESS	6114206	2000-09-05	09/187171	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH VERTICAL HALO REGION AND METHODS OF MANUFACTURE	6114211	2000-09-05	09/195336	1998-11-18	GLOBALFOUNDRIES Inc.	Granted
ILLUMINATION MODIFICATION SCHEME SYNTHESIS USING LENS CHARACTERIZATION DATA	6115108	2000-09-05	09/205897	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
SENSE AMPLIFIER AND METHOD OF USING THE SAME WITH PIPELINED READ, RESTORE AND WRITE OPERATIONS	6115308	2000-09-05	09/335092	1999-06-17	GLOBALFOUNDRIES Inc.	Granted
INTERRUPT MANAGEMENT SYSTEM HAVING BATCH MECHANISM FOR HANDLING INTERRUPT EVENTS	6115779	2000-09-05	09/234456	1999-01-21	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IMPLANTING SEMICONDUCTOR CONDUCTIVE LAYERS	6117770	2000-09-12	09/169281	1998-10-08	GLOBALFOUNDRIES Inc.	Granted
APPLICATIONS OF MICRO-ELECTRO-MECHANICAL WOBBLE MOTORS AS RADIO FREQUENCY TRANSDUCER COMPONENTS	6118192	2000-09-12	09/282576	1999-03-31	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURE FOR JOINING A CHIP TO A CIRCUIT CARD	6121069	2000-09-19	09/390084	1999-09-03	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A VOID FREE COPPER INTERCONNECTS	6121141	2000-09-19	09/198362	1998-11-24	GLOBALFOUNDRIES Inc.	Granted
ELECTROMIGRATION-RESISTANT COPPER MICROSTRUCTURE AND PROCESS OF MAKING	6123825	2000-09-26	09/203926	1998-12-02	GLOBALFOUNDRIES Inc.	Granted

PHOTORESIST COMPOSITIONS WITH CYCLIC OLFIN POLYMERS AND HYDROPHOBIC NON-STEROIDAL MULTI-ALICYCLIC ADDITIVES	6124074	2000-09-26	09/266341	1999-03-11	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND FABRICATION METHOD USING A GERMANIUM SACRIFICIAL GATE ELECTRODE PLUG	6124188	2000-09-26	09/203012	1998-12-01	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING CONFORMAL BARRIER LAYERS	6124203	2000-09-26	09/206669	1998-12-07	GLOBALFOUNDRIES Inc.	Granted
IN-SITU SION DEPOSITION/BAKES/TEOS DEPOSITION PROCESS FOR REDUCTION OF DEFECTS IN INTERLEVELED DIELECTRIC FOR INTEGRATED CIRCUIT INTERCONNECTS	6124217	2000-09-26	09/200016	1998-11-25	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING A PRINTED CIRCUIT BOARD HAVING FILLED HOLES AND A FILL MEMBER FOR USE THEREWITH INCLUDING REINFORCEMENT MEANS	6125531	2000-10-03	09/259977	1999-03-01	GLOBALFOUNDRIES Inc.	Granted
THIN RESIST WITH NITRIDE HARD MASK FOR VIA ETCH APPLICATION	6127070	2000-10-03	09/203283	1998-12-01	GLOBALFOUNDRIES Inc.	Granted
ULTRA SHALLOW EXTENSION FORMATION USING DISPOSABLE SPACERS	6127234	2000-10-03	09/226881	1999-01-07	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REMOVING COPPER RESIDUE FROM SURFACES OF A SEMICONDUCTOR WAFER	6127282	2000-10-03	09/190768	1998-11-12	GLOBALFOUNDRIES Inc.	Granted
CAPPED SOLDER BUMPS WHICH FORM AN INTERCONNECTION WITH A TAILORED REFLOW MELTING POINT	6127731	2000-10-03	09/266586	1999-03-11	GLOBALFOUNDRIES Inc.	Granted
PARTICLE BEAM SYSTEM WITH DYNAMIC FOCUSING	6130432	2000-10-10	09/290784	1999-04-13	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CONTROLLING TRANSISTOR SPACER WIDTH	6131312	2000-10-17	09/248805	2000-01-20	GLOBALFOUNDRIES Inc.	Granted
MOSFET WITH GATE PLUG USING DIFFERENTIAL OXIDE GROWTH	6136674	2000-10-24	09/245727	1999-02-08	GLOBALFOUNDRIES Inc.	Granted
VIBRATIONAL METHODS OF DEAGGREGATION OF ELECTRICALLY CONDUCTIVE POLYMERS AND PRECURSORS THEREOF	6139778	2000-10-31	09/521481	2000-03-09	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR TRANSFERRING PATTERNS CREATED BY LITHOGRAPHY	6140023	2000-10-31	09/203447	1998-12-01	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING WITHOUT DAMAGING HSQ LAYER AND METAL PATTERN UTILIZING MULTIPLE DIELECTRIC LAYERS	6140706	2000-10-31	09/206951	1998-12-08	GLOBALFOUNDRIES Inc.	Granted
IMPEDANCE CONTROL USING PULSES	6141245	2000-10-31	09/202902	1999-04-30	GLOBALFOUNDRIES Inc.	Granted
AUTO-NEGOTIATION USING NEGATIVE LINK PULSES	6141350	2000-10-31	09/291036	1999-04-14	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION FORMATION WITH SPACER-ASSISTED ION IMPLANTATION	6143624	2000-11-07	09/172088	1998-10-14	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR INTERCONNECT INTERFACE PROCESSING BY PULSE LASER ANNEAL	6143650	2000-11-07	09/229590	1999-01-13	GLOBALFOUNDRIES Inc.	Granted
SLURRY FOR CHEMICAL MECHANICAL POLISHING OF COPPER	6143656	2000-11-07	09/176891	1998-10-22	GLOBALFOUNDRIES Inc.	Granted
DRAM CELL HAVING AN ANNULAR SIGNAL TRANSFER REGION	6144054	2000-11-07	09/205934	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
GRADED PB FOR G4 BUMP TECHNOLOGY	6144103	2000-11-07	09/370698	1999-08-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING SEMICONDUCTOR DEVICE HAVING SACRIFICIAL SALICIDATION LAYER	6146983	2000-11-14	09/193619	1998-11-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING A SEMICONDUCTOR DEVICE COMPRISING COPPER INTERCONNECTS WITH REDUCED IN-LINE COPPER DIFFUSION	6146988	2000-11-14	09/477820	2000-01-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR OPTIMIZING MEMORY PERFORMANCE WITH OPPORTUNISTIC REFRESHING	6147921	2000-11-14	09/464437	1999-12-16	GLOBALFOUNDRIES Inc.	Granted
SHALLOW JUNCTION FORMATION BY OUT-DIFFUSION FROM A DOPED DIELECTRIC LAYER THROUGH A SALICIDE LAYER	6150243	2000-11-21	09/186065	1998-11-05	GLOBALFOUNDRIES Inc.	Granted
BARRIER MATERIALS FOR METAL INTERCONNECT	6150268	2000-11-21	09/186781	1998-11-04	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING AN ULTRA THIN SILICON NITRIDE FILM	6150286	2000-11-21	09/477050	2000-01-03	GLOBALFOUNDRIES Inc.	Granted

METHOD AND CIRCUIT FOR DETECTING OVERFLOW IN OPERAND MULTIPLICATION	6151616	2000-11-21	09/057271	1999-04-08	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING ULTRA SHALLOW JUNCTION CMOS TRANSISTORS WITH NITRIDE DISPOSABLE SPACER	6153455	2000-11-28	09/170619	1998-10-13	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ESTABLISHING SHALLOW JUNCTION IN SEMICONDUCTOR DEVICE TO MINIMIZE JUNCTION CAPACITANCE	6153486	2000-11-28	09/479504	2000-01-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF USING A SILICON OXYNITRIDE ARC FOR FINAL METAL LAYER	6153504	2000-11-28	09/375004	1999-08-16	GLOBALFOUNDRIES Inc.	Granted
DUAL ETCH STOP/DIFFUSION BARRIER FOR DAMASCENE INTERCONNECTS	6153935	2000-11-28	09/409244	1999-09-30	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR EMPLOYING MULTIPLE REGISTER SETS TO ELIMINATE INTERRUPTS	6154832	2000-11-28	09/205444	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
COPPER ETCHING COMPOSITIONS, PROCESSES AND PRODUCTS DERIVED THEREFROM	6156221	2000-12-05	09/165957	1998-10-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A DUAL DAMASCENE TRENCH AND BORDERLESS VIA STRUCTURE	6156643	2000-12-05	09/187430	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN RESIST AND SILICON/OXIDE HARD MASK FOR METAL ETCH	6156658	2000-12-05	09/203774	1998-12-02	GLOBALFOUNDRIES Inc.	Granted
POWER SUPPLY INDEPENDENT TEMPERATURE SENSOR	6157244	2000-12-05	09/170335	1998-10-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PROVIDING ESD PROTECTION	6157530	2000-12-05	09/224766	1999-01-04	GLOBALFOUNDRIES Inc.	Granted
REDUNDANCY CIRCUIT AND METHOD FOR SEMICONDUCTOR MEMORY	6157584	2000-12-05	09/315458	1999-05-20	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT AND METHOD FOR REDUCING DATA DEPENDENCIES BETWEEN INSTRUCTIONS	6157995	2000-12-05	09/166440	1998-10-05	GLOBALFOUNDRIES Inc.	Granted
EXTREME ULTRAVIOLET LITHOGRAPHY REFLECTIVE MASK	6159643	2000-12-12	09/258959	1999-03-01	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF FIELD EFFECT TRANSISTORS HAVING DUAL GATES WITH GATE DIELECTRICS OF HIGH DIELECTRIC CONSTANT	6159782	2000-12-12	09/369217	1999-08-05	GLOBALFOUNDRIES Inc.	Granted
INSITU HARDMASK AND METAL ETCH IN A SINGLE ETCHER	6159863	2000-12-12	09/236025	1999-01-22	GLOBALFOUNDRIES Inc.	Granted
MULTI-LAYER GATE CONDUCTOR HAVING A DIFFUSION BARRIER IN THE BOTTOM LAYER	6160300	2000-12-12	09/238081	1999-01-26	GLOBALFOUNDRIES Inc.	Granted
DRIVER WITH SWITCHABLE GAIN	6160436	2000-12-12	09/281905	1999-03-31	GLOBALFOUNDRIES Inc.	Granted
THIN RESIST WITH TRANSITION METAL HARD MASK FOR VIA ETCH APPLICATION	6162387	2000-12-19	09/203450	1998-12-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A TRANSISTOR WITH A DIELECTRIC UNDERLAYER AND DEVICE INCORPORATING SAME	6162688	2000-12-19	09/231427	1999-01-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A METAL GATE ELECTRODE USING REPLACED POLYSILICON STRUCTURE	6162694	2000-12-19	09/199674	1998-11-25	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL TREATMENT FOR PREVENTING COPPER DENDRITE FORMATION AND GROWTH	6162727	2000-12-19	09/199347	1998-11-25	GLOBALFOUNDRIES Inc.	Granted
CLOCKING TO SUPPORT INTERFACE OF MEMORY CONTROLLER TO EXTERNAL SRAM	6163502	2000-12-19	09/527622	2000-03-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR NON-CONCURRENT ARBITRATION OF MULTIPLE BUSES	6163826	2000-12-19	09/378985	1999-08-23	GLOBALFOUNDRIES Inc.	Granted
THIN RESIST WITH AMORPHOUS SILICON HARD MASK FOR VIA ETCH APPLICATION	6165695	2000-12-26	09/203150	1998-12-01	GLOBALFOUNDRIES Inc.	Granted
SCAN TOOL, RECIPE SERVER	6165805	2000-12-26	09/182942	1998-10-29	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING MOSFET WITH DIFFERENTIAL GATE OXIDE THICKNESS ON THE SAME IC CHIP	6165849	2000-12-26	09/205616	1998-12-04	GLOBALFOUNDRIES Inc.	Granted

ANTIREFLECTIVE COATING USED IN THE FABRICATION OF MICROCIRCUIT STRUCTURES IN 0.18 MICRON AND SMALLER TECHNOLOGIES	6165855	2000-12-26	09/205068	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ESTABLISHING SHALLOW JUNCTION IN SEMICONDUCTOR DEVICE TO MINIMIZE JUNCTION CAPACTANCE	6165877	2000-12-26	09/478958	2000-01-07	GLOBALFOUNDRIES Inc.	Granted
POLYSILICON GATE HAVING A METAL PLUG, FOR REDUCED GATE RESISTANCE, WITHIN A TRENCH EXTENDING INTO THE POLYSILICON LAYER OF THE GATE	6165882	2000-12-26	09/283753	1999-04-02	GLOBALFOUNDRIES Inc.	Granted
LOW RESISTANCE METAL CONTACT TECHNOLOGY	6165902	2000-12-26	09/187520	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
HEAT REMOVAL FROM SOI DEVICES BY USING METAL SUBSTRATES	6166411	2000-12-26	09/426339	1999-10-25	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING HIGH-PERFORMANCE SUBMICRON MOSFET WITH LATERAL ASYMMETRIC CHANNEL AND A LIGHTLY DOPED DRAIN	6168999	2001-01-02	09/391301	1999-09-07	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF JUNCTIONS BY DIFFUSION FROM A DOPED AMORPHOUS SILICON FILM DURING SLECIDATION	6169005	2001-01-02	09/318824	1999-05-26	GLOBALFOUNDRIES Inc.	Granted
CHEMICALLY REMOVABLE CU CMP SLURRY ABRASIVE	6169034	2001-01-02	09/199352	1998-11-25	GLOBALFOUNDRIES Inc.	Granted
ELECTRON BEAN CURING OF LOW-K DIELECTRICS IN INTEGRATED CIRCUITS	6169039	2001-01-02	09/187169	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN RESIST AND OXIDE/NITRIDE HARD MASK FOR METAL ETCH	6171763	2001-01-09	09/204651	1998-12-02	GLOBALFOUNDRIES Inc.	Granted
LOW ENERGY PASSIVATION OF CONDUCTIVE MATERIAL IN DAMASCENE PROCESS FOR SEMICONDUCTORS	6171949	2001-01-09	09/329155	1999-06-09	GLOBALFOUNDRIES Inc.	Granted
GRADED COMPOUND SEED LAYERS FOR SEMICONDUCTORS	6174799	2001-01-16	09/225649	1999-01-05	GLOBALFOUNDRIES Inc.	Granted
COMPOSITE LAMINATE CIRCUIT STRUCTURE AND METHOD OF FORMING THE SAME	6175087	2001-01-16	09/204458	1998-12-02	GLOBALFOUNDRIES Inc.	Granted
ACCUMULATOR FOR SLURRY SAMPLING	6176765	2001-01-23	09/250308	1999-02-16	GLOBALFOUNDRIES Inc.	Granted
PREVENTING CU DENDRITE FORMATION AND GROWTH	6177349	2001-01-23	09/206169	1998-12-07	GLOBALFOUNDRIES Inc.	Granted
INTEGRATION OF LOW-K-SIOF FOR DAMASCENE STRUCTURE	6177364	2001-01-23	09/203754	1998-12-02	GLOBALFOUNDRIES Inc.	Granted
CORRECTION OF PATTERN-DEPENDENT ERRORS IN A PARTICLE BEAM LITHOGRAPHY SYSTEM	6177680	2001-01-23	09/197167	1998-11-20	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING GATE ELECTRODE SHARED BETWEEN TWO SETS OF ACTIVE REGIONS AND FABRICATION THEREOF	6177687	2001-01-23	09/201995	1998-12-01	GLOBALFOUNDRIES Inc.	Granted
COMPENSATED-CURRENT MIRROR OFF-CHIP DRIVER	6177817	2001-01-23	09/283960	1999-04-01	GLOBALFOUNDRIES Inc.	Granted
MEMORY AND SYSTEM CONFIGURATION FOR PROGRAMMING A REDUNDANCY ADDRESS IN AN ELECTRIC SYSTEM	6178126	2001-01-23	09/534423	2000-03-23	GLOBALFOUNDRIES Inc.	Granted
LITHOGRAPHY REFLECTIVE MASK	6178221	2001-01-23	09/205790	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
TRIPLE POLYSILICON EMBEDDED NVRAM CELL AND METHOD THEREOF	6180456	2001-01-30	09/251661	1999-02-17	GLOBALFOUNDRIES Inc.	Granted
DUAL AMORPHIZATION IMPLANT PROCESS FOR ULTRA-SHALLOW DRAIN AND SOURCE EXTENSIONS	6180476	2001-01-30	09/187630	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE THINNING OF BARRIER OXIDE THROUGH MASKED SIMOX IMPLANT	6180487	2001-01-30	09/427134	1999-10-25	GLOBALFOUNDRIES Inc.	Granted
THIN FILM TRANSISTORS WITH ORGANIC-INORGANIC HYBRID MATERIALS AS SEMICONDUCTING CHANNELS	6180956	2001-01-30	09/261515	1999-03-03	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT TRANSISTOR WITH LOW-RESISTIVITY SOURCE/DRAIN STRUCTURES AT LEAST PARTIALLY RECESSED WITHIN A DIELECTRIC BASE LAYER	6180987	2001-01-30	09/248433	1999-02-11	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR MARKING ELECTROPHORETIC DIES WHILE REDUCING DAMAGE DUE TO ELECTROSTATIC DISCHARGE	6181017	2001-01-30	09/297769	1999-04-14	GLOBALFOUNDRIES Inc.	Granted

MINIMIZING CACHE OVERHEAD BY STORING DATA FOR COMMUNICATIONS BETWEEN A PERIPHERAL DEVICE AND A HOST SYSTEM INTO SEPARATE LOCATIONS IN MEMORY	6182164	2001-01-30	09/204978	1998-12-03	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FORMING ULTRA-SHALLOW SOURCE/DRAIN EXTENSIONS	6184097	2001-02-06	09/255604	1999-02-22	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A MOSFET TRANSISTOR WITH A SHALLOW ABRUPT RETROGRADE DOPANT PROFILE	6184112	2001-02-06	09/204998	1998-12-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR INSTRUCTION QUEUE COMPRESSION	6185672	2001-02-06	09/253466	1999-02-19	GLOBALFOUNDRIES Inc.	Granted
MULTI-LAYER POLISHING TOOL	6186877	2001-02-13	09/205935	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
MULTILAYER CERAMIC SUBSTRATE WITH ANCHORED PAD	6187418	2001-02-13	09/356944	1999-07-19	GLOBALFOUNDRIES Inc.	Granted
MASK QUALITY MEASUREMENTS BY FOURIER SPACE ANALYSIS	6187483	2001-02-13	09/322546	1999-05-28	GLOBALFOUNDRIES Inc.	Granted
CVD PLASMA PROCESS TO FILL CONTACT HOLE IN DAMASCENE PROCESS	6187666	2001-02-13	09/328148	1999-06-08	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATION OF A LOW RESISTIVITY MOSFET GATE WITH THICK METAL SILICIDE ON POLYSILICON	6187675	2001-02-13	09/323023	1999-06-03	GLOBALFOUNDRIES Inc.	Granted
PROTECTION OF A PLATED THROUGH HOLE FROM CHEMICAL ATTACK	6188027	2001-02-13	09/345474	1999-06-30	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE TRANSISTOR FABRICATED ON A DIELECTRIC FILM AND METHOD OF MAKING SAME	6188107	2001-02-13	09/226564	1999-01-07	GLOBALFOUNDRIES Inc.	Granted
INTEGRATION OF ISOLATION WITH EPITAXIAL GROWTH REGIONS FOR ENHANCED DEVICE FORMATION	6188110	2001-02-13	09/173015	1998-10-15	GLOBALFOUNDRIES Inc.	Granted
MICROCONTROLLER HAVING A BLOCK OF LOGIC CONFIGURABLE TO PERFORM A SELECTED LOGIC FUNCTION AND TO PRODUCE OUTPUT SIGNALS COUPLED TO CORRESPONDING I/O PADS ACCORDING TO A PREDEFINED HARDWARE INTERFACE	6188241	2001-02-13	09/311448	1999-05-14	GLOBALFOUNDRIES Inc.	Granted
LAYOUT FOR SEMICONDUCTOR MEMORY INCLUDING MULTI-LEVEL SENSING	6188596	2001-02-13	09/315459	1999-05-20	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE SEMICONDUCTOR-ON-INSULATOR THRESHOLD VOLTAGE CIRCUIT	6190952	2001-02-20	09/261273	1999-03-03	GLOBALFOUNDRIES Inc.	Granted
PRACTICAL WAY TO REMOVE HEAT FROM SOI DEVICES	6190985	2001-02-20	09/375588	1999-08-17	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A SHALLOW JUNCTION IN A SEMICONDUCTOR DEVICE USING ANTIMONY DIMER	6191012	2001-02-20	09/205522	1998-12-03	GLOBALFOUNDRIES Inc.	Granted
DECOUPLING CAPACITOR CONFIGURATION FOR INTEGRATED CIRCUIT CHIP	6191479	2001-02-20	09/249988	1999-02-13	GLOBALFOUNDRIES Inc.	Granted
FLOATING BITLINE TIMER ALLOWING A SHARED EQUALIZER DRAM SENSE AMPLIFIER	6191988	2001-02-20	09/359288	1999-07-22	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD TO ENHANCE HOLE FILL IN SUB-MICRON PLATING	6193861	2001-02-27	09/255998	1999-02-23	GLOBALFOUNDRIES Inc.	Granted
CHANNEL FORMATION AFTER SOURCE AND DRAIN REGIONS ARE FORMED	6194293	2001-02-27	09/318519	1999-05-25	GLOBALFOUNDRIES Inc.	Granted
H2 DIFFUSION BARRIER FORMATION BY NITROGEN INCORPORATION IN OXIDE LAYER	6194328	2001-02-27	09/207676	1998-12-09	GLOBALFOUNDRIES Inc.	Granted
MOSFET WITH SUPPRESSED GATE-EDGE FRINGING FIELD EFFECT	6194748	2001-02-27	09/303959	1999-05-03	GLOBALFOUNDRIES Inc.	Granted
INPUT STRUCTURE FOR I/O DEVICE	6194944	2001-02-27	09/302634	1999-04-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR INSTRUMENTING SIMULATION MODELS	6195627	2001-02-27	09/190865	1998-11-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR SELECTIVELY DISABLING SIMULATION MODEL INSTRUMENTATION	6195629	2001-02-27	09/190864	1998-11-09	GLOBALFOUNDRIES Inc.	Granted

BALL GRID ARRAY PACKAGE HAVING THERMOELECTRIC COOLER	6196002	2001-03-06	09/2338964	1999-06-24	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PROVIDING COOPERATIVE RUN-TO-RUN CONTROL FOR MULTI-PRODUCT AND MULTI-PROCESS SEMICONDUCTOR FABRICATION	6197604	2001-03-06	09/164823	1998-10-01	GLOBALFOUNDRIES Inc.	Granted
HEROLECTRIC-ENHANCED TANTALUM PENTOXIDE FOR DIELECTRIC MATERIAL APPLICATIONS IN CMOS DEVICES	6197668	2001-03-06	09/187542	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED INSPECTION SYSTEM FOR METALLIC SURFACES	6198529	2001-03-06	09/203187	1999-04-30	GLOBALFOUNDRIES Inc.	Granted
MASK FOR ASYMMETRICAL TRANSISTOR FORMATION WITH PAIRED TRANSISTORS	6200862	2001-03-13	09/188085	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
USE OF SACRIFICIAL DIELECTRIC STRUCTURE TO FORM SEMICONDUCTOR DEVICE WITH A SELF-ALIGNED THRESHOLD ADJUST AND OVERLYING LOW-RESISTANCE GATE	6200865	2001-03-13	09/205443	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING AN INTEGRATED CIRCUIT WITH ULTRA-SHALLOW SOURCE/RAIN EXTENSIONS	6200869	2001-03-13	09/187890	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SHAPING PHOTORESIST MASK TO IMPROVE HIGH ASPECT RATIO ION IMPLANTATION	6200884	2001-03-13	09/364976	1999-07-31	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN RESIST AND BARRIER METAL/OXIDE HARD MASK FOR METAL ETCH	6200907	2001-03-13	09/204216	1998-12-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A LOCAL INTERCONNECT WITH IMPROVED ETCH SELECTIVITY OF SILICON DIOXIDE/SILICIDE	6201303	2001-03-13	09/417842	1999-10-14	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH CONTROLLED BODY BIAS	6201761	2001-03-13	09/491823	2000-01-26	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED EXTENSION JUNCTION FOR REDUCED GATE CHANNEL	6204133	2001-03-20	09/586516	2000-06-02	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING A MOSFET DEVICE STRUCTURE WHICH FACILITATES MITIGATION OF JUNCTION CAPACITANCE AND FLOATING BODY EFFECTS	6204138	2001-03-20	09/260821	1999-03-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING A SEMICONDUCTOR DEVICE HAVING A GROWN POLYSILICON LAYER	6204148	2001-03-20	09/329843	1999-06-11	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ESTABLISHING SHALLOW JUNCTION IN SEMICONDUCTOR DEVICE TO MINIMIZE JUNCTION CAPACITANCE	6204157	2001-03-20	09/479492	2000-01-07	GLOBALFOUNDRIES Inc.	Granted
SILICON NITRIDE ETCH BATH SYSTEM	6207068	2001-03-27	09/195092	1998-11-18	GLOBALFOUNDRIES Inc.	Granted
LOW TEMPERATURE THIN FILM TRANSISTOR FABRICATION	6207472	2001-03-27	09/265161	1999-03-09	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ESTABLISHING ULTRA-THIN GATE INSULATOR USING OXIDIZED NITRIDE FILM	6207542	2001-03-27	09/478962	2000-01-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING MULTIPLE LEVELS OF PATTERNED METALLIZATION	6207553	2001-03-27	09/237258	1999-01-26	GLOBALFOUNDRIES Inc.	Granted
PREVENTION OF CU DENDRITE FORMATION AND GROWTH	6207569	2001-03-27	09/206163	1998-12-07	GLOBALFOUNDRIES Inc.	Granted
MARK PROTECTION WITH TRANSPARENT FILM	6207966	2001-03-27	09/205010	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
HIGH K INTEGRATION OF GATE DIELECTRIC WITH INTEGRATED SPACER FORMATION FOR HIGH SPEED CMOS	6207995	2001-03-27	09/255917	1999-02-23	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING A LOW DIELECTRIC CONSTANT MATERIAL	6208030	2001-03-27	09/179410	1998-10-27	GLOBALFOUNDRIES Inc.	Granted
EXPOSURE DURING REWORK FOR ENHANCED RESIST REMOVAL	6210846	2001-04-03	09/373571	1999-08-13	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FABRICATING A SEMICONDUCTOR DEVICE COMPONENT USING A SELECTIVE SILICIDATION REACTION	6211044	2001-04-03	09/290087	1999-04-12	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZED TRENCH/VIA PROFILE FOR DAMASCENE FILLING	6211071	2001-04-03	09/296552	1999-04-22	GLOBALFOUNDRIES Inc.	Granted
GENERAL PURPOSE DYNAMICALLY PROGRAMMABLE STATE ENGINE FOR EXECUTING FINITE STATE MACHINES	6212625	2001-04-03	09/318148	1999-05-25	GLOBALFOUNDRIES Inc.	Granted

METHOD FOR DETERMINING A POLISHING RECIPE BASED UPON THE MEASURED PRE-POLISH THICKNESS OF A PROCESS LAYER	6213848	2001-04-10	09/372515	1999-08-11	GLOBALFOUNDRIES Inc.	Granted
MOSFET-TYPE DEVICE WITH HIGHER DRIVER CURRENT AND LOWER STEADY STATE POWER DISSIPATION	6213869	2001-04-10	09/309105	1999-05-10	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FABRICATING A SEMICONDUCTOR DEVICE COMPONENT USING LATERAL METAL OXIDATION	6214683	2001-04-10	09/290555	1999-04-12	GLOBALFOUNDRIES Inc.	Granted
POLISHING PAD AND METHOD FOR POLISHING POROUS MATERIALS	6217418	2001-04-17	09/291040	1999-04-14	GLOBALFOUNDRIES Inc.	Granted
COMPOSITION FOR INCREASING ACTIVITY OF A NO-CLEAN FLUX	6217671	2001-04-17	09/461557	1999-12-14	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR FABRICATION EXTENDED PARTICLE COLLECTION CUP	6217936	2001-04-17	09/258834	1999-02-26	GLOBALFOUNDRIES Inc.	Granted
CONDUCTIVE LINE FEATURES FOR ENHANCED RELIABILITY OF MULTI-LAYER CERAMIC SUBSTRATES	6217989	2001-04-17	09/458877	1999-12-10	GLOBALFOUNDRIES Inc.	Granted
NANO-DEVICES USING BLOCK-COPOLYMERS	6218175	2001-04-17	09/182874	1998-10-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MINIMIZING PARASITIC RESISTANCE OF SEMICONDUCTOR DEVICES	6218250	2001-04-17	09/324183	1999-06-02	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRICAL IGBT DEVICES WITH SPACERS FORMED BY HDP TECHNIQUES	6218251	2001-04-17	09/187894	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING LOW DIELECTRIC TUNGSTEN LINED INTERCONNECT SYSTEM	6218282	2001-04-17	09/252184	1999-02-18	GLOBALFOUNDRIES Inc.	Granted
COPPER DENDRITE PREVENTION BY CHEMICAL REMOVAL OF DIELECTRIC	6218290	2001-04-17	09/199267	1998-11-25	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR GATED DETECTION OF OPTICAL PULSES CONTAINING A SMALL NUMBER OF PHOTONS USING AN AVALANCHE PHOTODIODE	6218657	2001-04-17	09/172759	1998-10-15	GLOBALFOUNDRIES Inc.	Granted
HOME-APPLIANCE NETWORK WITH NODES IDENTIFIED BY DIRECT-SEQUENCE SPREADING CODES	6218931	2001-04-17	09/415427	1999-10-08	GLOBALFOUNDRIES Inc.	Granted
CHIP THERMAL PROTECTION DEVICE	6219215	2001-04-17	09/303042	1999-04-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR ORIGIN-SENSITIVE MEMORY CONTROL AND ACCESS IN DATA PROCESSING SYSTEMS	6219769	2001-04-17	09/208305	1998-12-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING AN INTEGRATED CIRCUIT HAVING PUNCH-THROUGH SUPPRESSION	6221724	2001-04-24	09/187252	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING AN ELEVATED SOURCE/RAIN WITH ENHANCED GRADED SIDEWALLS FOR TRANSISTOR SCALING INTEGRATED WITH SPACER FORMATION	6222230	2001-04-24	09/204967	1998-12-03	GLOBALFOUNDRIES Inc.	Granted
RECESSED CHANNEL STRUCTURE FOR MANUFACTURING SHALLOW SOURCE/RAIN EXTENSIONS	6225173	2001-05-01	09/187172	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
STEP DRAIN AND SOURCE JUNCTION FORMATION	6225176	2001-05-01	09/255203	1999-02-22	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY CAPPING LAYERS WITH IMPROVED ADHESION TO COPPER INTERCONNECTS	6225210	2001-05-01	09/207675	1998-12-09	GLOBALFOUNDRIES Inc.	Granted
REMOVABLE PHOTORESIST SPACERS IN CMOS TRANSISTOR FABRICATION	6225229	2001-05-01	09/317157	1999-05-24	GLOBALFOUNDRIES Inc.	Granted
LEAKY LOWER INTERFACE FOR REDUCTION OF FLOATING BODY EFFECT IN SOL DEVICES	6225667	2001-05-01	09/484634	2000-01-18	GLOBALFOUNDRIES Inc.	Granted
USE OF BIASED HIGH THRESHOLD VOLTAGE TRANSISTOR TO ELIMINATE STANDBY CURRENT IN LOW VOLTAGE INTEGRATED CIRCUITS	6225852	2001-05-01	09/411170	1999-10-01	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR GENERATING AND UTILIZING SPECULATIVE MEMORY ACCESS REQUESTS IN DATA PROCESSING SYSTEMS	6226721	2001-05-01	09/208569	1998-12-09	GLOBALFOUNDRIES Inc.	Granted

METHOD OF MAKING DUAL DAMASCENE CONDUCTIVE INTERCONNECTIONS AND INTEGRATED CIRCUIT DEVICE COMPRISING SAME	6228758	2001-05-08	09/172982	1998-10-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A LOCAL INTERCONNECT WITH IMPROVED ETCH SELECTIVITY OF SILICON DIOXIDE/SILICIDE STORAGE-ANNEALING PLATED CU INTERCONNECTS	6228761	2001-05-08	09/417840	1999-10-14	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH A MODULATED GATE OXIDE THICKNESS	6228768	2001-05-08	09/184009	1998-11-02	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH NON-FLOATING BODY AND METHOD FOR FORMING SAME ON A BULK SILICON WAFER	6229184	2001-05-08	09/250174	1999-02-16	GLOBALFOUNDRIES Inc.	Granted
NON-UNIFORM GATE DOPING FOR REDUCED OVERLAP CAPACITANCE	6229187	2001-05-08	09/420972	1999-10-20	GLOBALFOUNDRIES Inc.	Granted
WRITE THROUGH FUNCTION FOR A MEMORY	6229198	2001-05-08	09/357332	1999-07-20	GLOBALFOUNDRIES Inc.	Granted
BILAYER ANTI-REFLECTIVE COATING AND ETCH HARD MASK	6229754	2001-05-08	09/501393	2000-02-09	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING AN IMPROVED GATE ELECTRODE PROFILE	6232002	2001-05-15	09/186920	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR INTERCONNECT INTERFACE PROCESSING BY HIGH TEMPERATURE DEPOSITION	6232208	2001-05-15	09/187428	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
SERIAL INTELLIGENT ELECTRO-CHEMICAL-MECHANICAL WAFER PROCESSOR	6232230	2001-05-15	09/227067	1999-01-05	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ESTABLISHING COMPONENT ISOLATION REGIONS IN SOI SEMICONDUCTOR DEVICE	6234870	2001-05-22	09/382109	1999-08-24	GLOBALFOUNDRIES Inc.	Granted
RESIST REMOVAL BY POLISHING	6235607	2001-05-22	09/479493	2000-01-07	GLOBALFOUNDRIES Inc.	Granted
ACTIVE CONTROL OF TEMPERATURE IN SCANNING PROBE LITHOGRAPHY AND MASKLESS LITHOGRAPHY	6235636	2001-05-22	09/295271	1999-04-20	GLOBALFOUNDRIES Inc.	Granted
DETERMINING ENDPOINT IN ETCHING PROCESSES USING PRINCIPAL COMPONENTS ANALYSIS OF OPTICAL EMISSION SPECTRA WITH THRESHOLDING	6238830	2001-05-29	09/429994	1999-10-29	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FABRICATING SINGLE CRYSTAL RESONANT DEVICES THAT ARE COMPATIBLE WITH INTEGRATED CIRCUIT PROCESSING	6238937	2001-05-29	09/491248	2000-01-26	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF JUNCTIONS BY DIFFUSION FROM A DOPED FILM AT SILICIDATION	6238946	2001-05-29	09/375940	1999-08-17	GLOBALFOUNDRIES Inc.	Granted
NATIVE OXIDE REMOVAL WITH FLUORINATED CHEMISTRY BEFORE COBALT SILICIDE FORMATION	6238986	2001-05-29	09/187427	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
WIRE BONDING CU INTERCONNECTS	6239006	2001-05-29	09/349962	1999-07-09	GLOBALFOUNDRIES Inc.	Granted
BISTABLE MICROMECHANICAL SWITCHES	6239494	2001-05-29	09/295357	1999-04-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING COPPER/COPPER ALLOY INTERCONNECTION WITH REDUCED ELECTROMIGRATION	6239685	2001-05-29	09/418011	1999-10-14	GLOBALFOUNDRIES Inc.	Granted
DEVICE IMPROVEMENT BY LOWERING LDD RESISTANCE WITH NEW SILICIDE PROCESS	6242349	2001-06-05	09/207680	1998-12-09	GLOBALFOUNDRIES Inc.	Granted
IMPEDANCE CONTROL USING FUSES	6242776	2001-06-05	09/324879	1999-06-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR SOI WAFERS TO AVOID ELECTROSTATIC DISCHARGE	6243283	2001-06-05	09/589922	2000-06-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMATION OF PSEUDO-SOI STRUCTURES WITH DIRECT CONTACT OF TRANSISTOR BODY TO THE SUBSTRATE	6245600	2001-06-12	09/346457	1999-07-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING ULTRA THIN GATE DIELECTRIC FOR HIGH PERFORMANCE SEMICONDUCTOR DEVICES	6245636	2001-06-12	09/421639	1999-10-20	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FILLING A DUAL DAMASCENE OPENING HAVING HIGH ASPECT RATIO TO MINIMIZE ELECTROMIGRATION FAILURE	6245652	2001-06-12	09/598531	2000-06-21	GLOBALFOUNDRIES Inc.	Granted
	6245670	2001-06-12	09/253480	1999-02-19	GLOBALFOUNDRIES Inc.	Granted

BIPOLAR JUNCTION TRANSISTOR WITH TUNNELING CURRENT THROUGH THE GATE OF A FIELD EFFECT TRANSISTOR AS BASE CURRENT	6246103	2001-06-12	09/427136	1999-10-25	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING SUB-MICRON METAL LINES	6248252	2001-06-19	09/256541	1999-02-24	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR MANUFACTURING MOS TRANSISTORS HAVING ELEVATED SOURCE AND DRAIN REGIONS	6248637	2001-06-19	09/405831	1999-09-24	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING SUBMICRON-DIMENSIONED METAL PATTERNS	6248658	2001-06-19	09/229264	1999-01-13	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF FIELD EFFECT TRANSISTORS HAVING DUAL GATES WITH GATE DIELECTRICS OF HIGH DIELECTRIC CONSTANT USING LOWERED TEMPERATURES	6248675	2001-06-19	09/269099	1999-08-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR A SEMICONDUCTOR FUSE	6249038	2001-06-19	09/326437	1999-06-04	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR IMPROVING TRANSMISSION OF LIGHT THROUGH PHOTOMASKS	6251545	2001-06-26	09/357422	1999-07-20	GLOBALFOUNDRIES Inc.	Granted
PHOTORESIST COMPOSITIONS WITH CYCLIC OLIFIN POLYMERS HAVING LACTONE MOIETY	6251560	2001-06-26	09/566395	2000-05-05	GLOBALFOUNDRIES Inc.	Granted
FORMING A PATTERN OF A NEGATIVE PHOTORESIST	6251569	2001-06-26	09/373555	1999-08-13	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FORMING A SILICON-GERMANIUM BASE OF HETEROJUNCTION BIPOLAR TRANSISTOR	6251738	2001-06-26	09/480033	2000-01-10	GLOBALFOUNDRIES Inc.	Granted
DIELECTRIC ADHESION ENHANCEMENT IN DAMASCENE PROCESS FOR SEMICONDUCTORS	6251772	2001-06-26	09/301887	1999-04-29	GLOBALFOUNDRIES Inc.	Granted
PLASMA TREATMENT TO REDUCE STRESS CORROSION INDUCED VOIDING OF PATTERNED METAL LAYERS	6251776	2001-06-26	09/283754	1999-04-02	GLOBALFOUNDRIES Inc.	Granted
CMOS TRANSISTOR DESIGN FOR SHARED N+P+ ELECTRODE WITH ENHANCED DEVICE PERFORMANCE	6252283	2001-06-26	09/234855	1999-01-22	GLOBALFOUNDRIES Inc.	Granted
PLANARIZED SILICON FIN DEVICE	6252284	2001-06-26	09/458531	1999-12-09	GLOBALFOUNDRIES Inc.	Granted
ADHESION OF SILICON CARBIDE FILMS	6252295	2001-06-26	09/597902	2000-06-19	GLOBALFOUNDRIES Inc.	Granted
INTERGRATION OF LOW-K SIO ₂ AS INTER-LAYER DIELECTRIC	6252303	2001-06-26	09/203572	1998-12-02	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR IMPLEMENTING A HOME NETWORK USING CUSTOMER-PREMISES POWER LINES	6252755	2001-06-26	09/422260	1999-10-21	GLOBALFOUNDRIES Inc.	Granted
INTERRUPT GATING METHOD FOR PCI BRIDGES	6253275	2001-06-26	09/199967	1998-11-25	GLOBALFOUNDRIES Inc.	Granted
COLLIMATION OF INTERRUPT CONTROL DEVICES	6253304	2001-06-26	09/224821	1999-01-04	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZATION OF CHEMICAL MECHANICAL PROCESS BY DETECTION OF OXIDE/NITRIDE INTERFACE USING CLD SYSTEM	6254453	2001-07-03	09/409243	1999-09-30	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING A THERMOSET-CONTAINING DIELECTRIC MATERIAL AND METHODS FOR FABRICATING THE SAME	6254972	2001-07-03	09/343079	1999-06-29	GLOBALFOUNDRIES Inc.	Granted
MOS TRANSISTOR WITH DUAL POCKET IMPLANT	6255174	2001-07-03	09/334121	1999-06-15	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF A FIELD EFFECT TRANSISTOR WITH MINIMIZED PARASITIC MILLER CAPACITANCE	6255175	2001-07-03	09/479552	2000-01-07	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE T-GATE USING A SPACER FLOW	6255202	2001-07-03	09/619836	2000-07-20	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING JUNCTION-LEAKAGE FREE METAL SLICIDE IN A SEMICONDUCTOR WAFER BY AMORPHIZATION OF SOURCE AND DRAIN REGIONS	6255214	2001-07-03	09/256782	1999-02-24	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING SILICIDE LAYERS FORMED USING A COLLIMATED METAL LAYER	6255215	2001-07-03	09/175652	1998-10-20	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING HIGH-PERFORMANCE SUBMICRON MOSFET WITH LATERAL ASYMMETRIC CHANNEL	6255219	2001-07-03	09/391303	1999-09-07	GLOBALFOUNDRIES Inc.	Granted
SEPARATELY OPTIMIZED GATE STRUCTURES FOR N-CHANNEL AND P-CHANNEL TRANSISTORS IN AN INTEGRATED CIRCUIT	6255698	2001-07-03	09/301263	1999-04-28	GLOBALFOUNDRIES Inc.	Granted

DEVICE WITH LOWER LDD RESISTANCE	6257703	2001-07-03	09/224462	1999-06-02	GLOBALFOUNDRIES Inc.	Granted
DUAL DAMASCENE ARRANGEMENT FOR METAL INTERCONNECTION WITH LOW K DIELECTRIC CONSTANT MATERIALS IN DIELECTRIC LAYERS	6257735	2001-07-03	09/225542	1999-01-05	GLOBALFOUNDRIES Inc.	Granted
RESTORING CHECKPOINTED PROCESSES WITHOUT RESTORING ATTRIBUTES OF EXTERNAL DATA REFERENCED BY THE PROCESSES	6256751	2001-07-03	09/182725	1998-10-29	GLOBALFOUNDRIES Inc.	Granted
DETERMINATION OF FLUX PRIOR TO PACKAGE ASSEMBLY	6258612	2001-07-10	09/642832	2000-08-22	GLOBALFOUNDRIES Inc.	Granted
USE OF A RAPID THERMAL ANNEAL PROCESS TO CONTROL DRIVE CURRENT	6258681	2001-07-10	09/4426304	1999-10-25	GLOBALFOUNDRIES Inc.	Granted
LOCAL INTERCONNECTOR ARRANGEMENT WITH REDUCED JUNCTION LEAKAGE AND METHOD OF FORMING SAME	6258683	2001-07-10	09/477741	2000-01-05	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ETCHING CONTACTS WITH REDUCED OXIDE STRESS	6258697	2001-07-10	09/502333	2000-02-11	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN GATE OXIDE FORMATION USING AN N2O PLASMA	6258730	2001-07-10	09/246462	1999-02-09	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC PATTERNING FOR SEMICONDUCTOR MANUFACTURING PROCESSES	6259115	2001-07-10	09/262214	1999-03-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING AN INTEGRATED CIRCUIT MEMORY CELL AND PRODUCT THEREOF	6259133	2001-07-10	09/248432	1999-02-11	GLOBALFOUNDRIES Inc.	Granted
POLYMER ENHANCED COLUMN GRID ARRAY	6259155	2001-07-10	09/290311	1999-04-12	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD OF ENCAPSULATED COPPER (CU) INTERCONNECT FORMATION	6259160	2001-07-10	09/296054	1999-04-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING PHOTOLITHOGRAPHY PARAMETERS BASED ON PHOTORESIST IMAGES	6259521	2001-07-10	09/412216	1999-10-05	GLOBALFOUNDRIES Inc.	Granted
INTERFEROMETER METHOD FOR PROVIDING STABILITY OF A LASER	6259712	2001-07-10	09/164881	1998-10-01	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZATION OF CMP PROCESS BY DETECTING OF OXIDE/NITRIDE INTERFACE USING IR SYSTEM	6261851	2001-07-17	09/410265	1999-09-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING DUAL WORKFUNCTION HIGH-PERFORMANCE SUPPORT MOSFETS IN EDAM ARRAYS	6261894	2001-07-17	09/706492	2000-11-03	GLOBALFOUNDRIES Inc.	Granted
POLY GATE CD PASSIVATION FOR METROLOGY CONTROL	6261936	2001-07-17	09/589378	2000-06-07	GLOBALFOUNDRIES Inc.	Granted
CRACKSTOP AND OXYGEN BARRIER FOR LOW-K DIELECTRIC INTEGRATED CIRCUITS	6261945	2001-07-17	09/501649	2000-02-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING BYPRODUCT INDUCED DEFECT DENSITY	6263590	2001-07-24	09/351982	1999-07-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING SOT FILM BY LASER ANNEALING	6265250	2001-07-24	09/406169	1999-08-23	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING RECTANGULAR SHAPED SPACERS	6265273	2001-07-24	09/359502	1999-07-23	GLOBALFOUNDRIES Inc.	Granted
CONTROLLING AN ETCHING PROCESS OF MULTIPLE LAYERS BASED UPON THICKNESS RATIO OF THE DIELECTRIC LAYERS	6265304	2001-07-24	09/412215	1999-10-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR REDUCING ARC LAYER REMOVAL BY CONDENSING THE ARC LAYER	6265751	2001-07-24	09/430335	1999-10-29	GLOBALFOUNDRIES Inc.	Granted
DUAL CHIP WITH HEAT SINK	6265771	2001-07-24	09/238492	1999-01-27	GLOBALFOUNDRIES Inc.	Granted
STEPPER WITH EXPOSURE TIME MONITOR	6266132	2001-07-24	09/4401586	1999-09-22	GLOBALFOUNDRIES Inc.	Granted
MAGNETIC SENSORS HAVING ANTI-ROTATION MAGNETICALLY EXCHANGE-COUPLED LAYERS FOR LONGITUDINAL BIASING	6266218	2001-07-24	09/428734	1999-10-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR HIERARCHICAL STORAGE OF DATA FOR EFFICIENT ARCHIVING AND RETRIEVAL OF DATA	6266679	2001-07-24	09/416071	1999-10-12	GLOBALFOUNDRIES Inc.	Granted
STORE TO LOAD FORWARDING USING A DEPENDENCY LINK FILE	6266744	2001-07-24	09/313873	1999-05-18	GLOBALFOUNDRIES Inc.	Granted

PHYSICAL RENAME REGISTER FOR EFFICIENTLY STORING FLOATING POINT, INTEGER, CONDITION CODE, AND MULTIMEDIA VALUES	6266763	2001-07-24	09/225982	1999-01-05	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CONTROLLING PHOTORESIST REMOVAL PROCESSES	6268227	2001-07-31	09/401585	1999-09-22	GLOBALFOUNDRIES Inc.	Granted
FORMING A REMOVABLE SPACER OF UNIFORM WIDTH ON SIDEWALLS OF A GATE OF A FIELD EFFECT TRANSISTOR DURING A DIFFERENTIAL RAPID THERMAL ANNEAL PROCESS	6268253	2001-07-31	09/418407	1999-10-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A SEMICONDUCTOR DEVICE WITH METAL SILICIDE REGIONS	6268255	2001-07-31	09/479402	2000-01-06	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING ELECTROMIGRATION-RESISTANT STRUCTURES BY DOPING	6268291	2001-07-31	09/204185	1998-12-03	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR WITH AN ULTRA SHORT CHANNEL LENGTH DEFINED BY A LATERALLY DIFFUSED NITROGEN IMPLANT	6268634	2001-07-31	09/178225	1998-10-23	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING AIR GAP ISOLATION BY MAKING A LATERAL EPI BRIDGE FOR LOW K ISOLATION ADVANCED CMOS FABRICATION	6268637	2001-07-31	09/178080	1998-10-22	GLOBALFOUNDRIES Inc.	Granted
MAINTAINING OBJECT INFORMATION CONCURRENT WITH DATA OPTIMIZATION FOR DEBUGGING	6269454	2001-07-31	09/187852	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
MODIFIED MATERIAL DEPOSITION SEQUENCE FOR REDUCED DEFECT DENSITIES IN SEMICONDUCTOR MANUFACTURING	6270580	2001-08-07	09/291138	1999-04-12	GLOBALFOUNDRIES Inc.	Granted
ELECTROPLATING APPARATUS AND METHOD USING A COMPRESSIBLE CONTACT	6270646	2001-08-07	09/473909	1999-12-28	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE-T-GATE USING A RELACS FLOW	6270929	2001-08-07	09/619789	2000-07-20	GLOBALFOUNDRIES Inc.	Granted
INTERLAYER BETWEEN TITANIUM NITRIDE AND HIGH DENSITY PLASMA OXIDE	6271112	2001-08-07	09/191763	1998-11-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF COMPENSATING FOR MATERIAL LOSS IN A METAL SILICONE LAYER IN CONTACTS OF INTEGRATED CIRCUIT DEVICES	6271122	2001-08-07	09/351756	1999-07-12	GLOBALFOUNDRIES Inc.	Granted
WIRE INTERCONNECT STRUCTURE FOR ELECTRICALLY AND MECHANICALLY CONNECTING AN INTEGRATED CIRCUIT CHIP TO A SUBSTRATE	6271599	2001-08-07	09/366145	1999-08-03	GLOBALFOUNDRIES Inc.	Granted
RADIO FREQUENCY (RF) TRANSDUCER (TAG) WITH COMPOSITE ANTENNA	6271793	2001-08-07	09/435172	1999-11-05	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGY FOR EXTRACTING EFFECTIVE LENS ABERRATIONS USING A NEURAL NETWORK	6272392	2001-08-07	09/205898	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL RESIST THICKNESS REDUCTION PROCESS	6274289	2001-08-14	09/708104	2000-11-06	GLOBALFOUNDRIES Inc.	Granted
TUNGSTEN INTERCONNECT METHOD	6274472	2001-08-14	09/489509	2000-01-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING JUNCTION-LEAKAGE FREE METAL SILICIDE IN A SEMICONDUCTOR WAFER BY AMORPHIZATION OF REFRACTORY METAL LAYER	6274511	2001-08-14	09/256781	1999-02-24	GLOBALFOUNDRIES Inc.	Granted
ENCAPSULATED MEMS BAND-PASS FILTER FOR INTEGRATED CIRCUITS	6275122	2001-08-14	09/375942	1999-08-17	GLOBALFOUNDRIES Inc.	Granted
MESSAGING SCHEME TO MAINTAIN CACHE COHERENCY AND CONSERVE SYSTEM MEMORY BANDWIDTH DURING A MEMORY READ OPERATION IN A MULTIPROCESSING COMPUTER SYSTEM	6275905	2001-08-14	09/217649	1998-12-21	GLOBALFOUNDRIES Inc.	Granted
REVERSE LITHOGRAPHIC PROCESS FOR SEMICONDUCTOR SPACES	6277544	2001-08-21	09/329153	1999-06-09	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DETECTING SLOPED CONTACT HOLES USING A CRITICAL-DIMENSION WAVEFORM	6277661	2001-08-21	09/677955	2000-10-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DETECTING ELECTROMAGNETIC RADIATION WITH BANDGAP ENGINEERED ACTIVE PIXEL CELL DESIGN	6278102	2001-08-21	09/415642	1999-10-12	GLOBALFOUNDRIES Inc.	Granted

STACKED MULTI-CHIP MODULES USING G4 INTERCONNECT TECHNOLOGY HAVING IMPROVED THERMAL MANAGEMENT	6278181	2001-08-21	09/240419	1999-06-28	GLOBALFOUNDRIES Inc.	Granted
CHARGE PUMP SYSTEM HAVING MULTIPLE CHARGING RATES AND CORRESPONDING METHOD	6278317	2001-08-21	09/430807	1999-10-29	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DEVELOPING ULTRA-THIN RESIST FILMS	6281130	2001-08-28	09/596178	2000-06-16	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD FOR ETCHING NITRIDE SPACERS FORMED UPON AN INTEGRATED CIRCUIT GATE CONDUCTOR	6281132	2001-08-28	09/167622	1998-10-06	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT HAVING ISOLATION STRUCTURES	6281555	2001-08-28	09/187861	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT WITH IMPROVED ADHESION BETWEEN INTERFACES OF CONDUCTIVE AND DIELECTRIC SURFACES	6281584	2001-08-28	09/573482	1999-08-12	GLOBALFOUNDRIES Inc.	Granted
MULTI-LAYERED COAXIAL INTERCONNECT STRUCTURE	6281587	2001-08-28	09/522148	2000-03-09	GLOBALFOUNDRIES Inc.	Granted
EFFICIENCY OF A MULTIPHASE SWITCHING POWER SUPPLY DURING LOW POWER MODE	6281666	2001-08-28	09/523107	2000-03-14	GLOBALFOUNDRIES Inc.	Granted
CONTROL OF HYSTERESIS CHARACTERISTIC WITHIN A CMOS DIFFERENTIAL RECEIVER	6281731	2001-08-28	09/428639	1999-10-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR REDUCING PARASITIC BIPOLAR CURRENT IN A SILICON-ON-INSULATOR TRANSISTOR	6281737	2001-08-28	09/196907	1998-11-20	GLOBALFOUNDRIES Inc.	Granted
FOUR F-SQUARED GAPLESS DUAL LAYER BITLINE DRAM ARRAY ARCHITECTURE	6282113	2001-08-28	09/408349	1999-09-29	GLOBALFOUNDRIES Inc.	Granted
MULTI-PORTED MEMORY WITH ASYNCHRONOUS AND SYNCHRONOUS PROTOCOL	6282144	2001-08-28	09/524661	2000-03-13	GLOBALFOUNDRIES Inc.	Granted
LOCATION DEPENDENT AUTOMATIC DEFECT CLASSIFICATION	6284553	2001-09-04	09/251012	1999-02-16	GLOBALFOUNDRIES Inc.	Granted
MOS-GATE TUNNELING-INJECTION BIPOLAR TRANSISTOR	6284582	2001-09-04	09/398246	1999-09-17	GLOBALFOUNDRIES Inc.	Granted
PROCESS TO ACHIEVE UNIFORM GROOVE DEPTH IN A SILICON SUBSTRATE	6284606	2001-09-04	09/483038	2000-01-18	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FILLING TRENCHES	6284622	2001-09-04	09/426208	1999-10-25	GLOBALFOUNDRIES Inc.	Granted
TUNGSTEN GATE METHOD AND APPARATUS	6284636	2001-09-04	09/489169	2000-01-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A SUPER-SHALLOW AMORPHOUS LAYER IN SILICON	6284672	2001-09-04	09/260255	1999-03-02	GLOBALFOUNDRIES Inc.	Granted
PLANAR METALLIZED SUBSTRATE WITH EMBEDDED GAMBER CONTROL MATERIAL AND METHOD THEREOF	6285080	2001-09-04	09/198820	1998-11-23	GLOBALFOUNDRIES Inc.	Granted
TWO STEP MASK PROCESS TO ELIMINATE GATE END CAP SHORTENING	6287904	2001-09-11	09/499047	2000-02-07	GLOBALFOUNDRIES Inc.	Granted
DOUBLE POLY-SILICON PROCESS FOR PROVIDING SINGLE CHIP HIGH PERFORMANCE LOGIC AND COMPACT EMBEDDED MEMORY STRUCTURE	6287913	2001-09-11	09/427506	1999-10-26	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FABRICATING A METAL SEMICONDUCTOR DEVICE COMPONENT BY LATERAL OXIDIZATION	6287918	2001-09-11	09/290086	1999-04-12	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF HIGHLY CONDUCTIVE JUNCTIONS BY RAPID THERMAL ANNEAL AND LASER THERMAL PROCESS	6287925	2001-09-11	09/512202	2000-02-24	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DEFINING COPPER SEED LAYER FOR SELECTIVE ELECTROLESS PLATING PROCESSING	6287968	2001-09-11	09/225175	1999-01-04	GLOBALFOUNDRIES Inc.	Granted
DEFECT COLLECTING STRUCTURES FOR PHOTOLITHOGRAPHY	6288411	2001-09-11	09/397292	1999-09-15	GLOBALFOUNDRIES Inc.	Granted
THERMAL CONDUCTIVITY ENHANCED SEMICONDUCTOR STRUCTURES AND FABRICATION PROCESSES	6288426	2001-09-11	09/514106	2000-02-28	GLOBALFOUNDRIES Inc.	Granted
SILICON-GERMANIUM BICMOS ON SOI	6288427	2001-09-11	09/768493	2001-01-24	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR INTERCONNECT BARRIER OF BORON SILICON NITRIDE AND MANUFACTURING METHOD THEREFOR	6288448	2001-09-11	09/312208	1999-05-14	GLOBALFOUNDRIES Inc.	Granted
WARPAGE COMPENSATING HEAT SPREADER	6288900	2001-09-11	09/453124	1999-12-02	GLOBALFOUNDRIES Inc.	Granted

PROCESS FOR DESIGN AND MANUFACTURE OF FINE LINE CIRCUITS ON PLANARIZED THIN FILM DIELECTRICS AND CIRCUITS MANUFACTURED THEREBY	6290860	2001-09-18	09/283679	1999-04-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ELECTROLESS AG LAYER FORMATION FOR CU INTERCONNECTS	6291082	2001-09-18	09/592164	2000-06-13	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC METHOD TO ELIMINATE FIRST-WAHER EFFECT	6291252	2001-09-18	09/245175	1999-06-30	GLOBALFOUNDRIES Inc.	Granted
FEEDBACK CONTROL OF DEPOSITION THICKNESS BASED ON POLISH PLANARIZATION	6291253	2001-09-18	09/378348	1999-08-20	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE LASER ANNEAL PROCESS USING HIGHLY REFLECTIVE ALUMINUM MASK	6291302	2001-09-18	09/483528	2000-01-14	GLOBALFOUNDRIES Inc.	Granted
PROTECTIVE OXIDE BUFFER LAYER FOR ARC REMOVAL	6291329	2001-09-18	09/371921	1999-08-11	GLOBALFOUNDRIES Inc.	Granted
ELECTROLESS PLATED SEMICONDUCTOR VIAS AND CHANNELS	6291332	2001-09-18	09/416383	1999-10-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING CU-CA-O THIN FILMS ON CU SURFACES IN A CHEMICAL SOLUTION AND SEMICONDUCTOR DEVICE THEREBY FORMED	6291348	2001-09-18	09/728315	2000-11-30	GLOBALFOUNDRIES Inc.	Granted
FINE PITCH CIRCUITIZATION WITH FILLED PLATED THROUGH HOLES	6291779	2001-09-18	09/345573	1999-06-30	GLOBALFOUNDRIES Inc.	Granted
RESONANT TUNNELING DIODE LATCH	6291832	2001-09-18	09/557679	2000-04-25	GLOBALFOUNDRIES Inc.	Granted
MERCURY PROCESS GOLD BALLBOND REMOVAL APPARATUS	6294028	2001-09-25	09/298690	1999-04-23	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC PACKAGE WITH BONDED STRUCTURE AND METHOD OF MAKING	6294831	2001-09-25	09/429154	1999-10-28	GLOBALFOUNDRIES Inc.	Granted
PIPELINE ANALOG TO DIGITAL (A/D) CONVERTER WITH RELAXED ACCURACY REQUIREMENT FOR SAMPLE AND HOLD STAGE	6295016	2001-09-25	09/506208	2000-02-17	GLOBALFOUNDRIES Inc.	Granted
REFRACTIVE OPTICAL SYSTEM THAT CONVERTS A LASER BEAM TO A COLLIMATED FLAT-TOP BEAM	6295168	2001-09-25	09/461365	1999-12-15	GLOBALFOUNDRIES Inc.	Granted
TEMPERATURE RAMP FOR VERTICAL DIFFUSION FURNACE	6296709	2001-10-02	09/511796	2000-02-23	GLOBALFOUNDRIES Inc.	Granted
HIGH DIELECTRIC CONSTANT MATERIALS AS GATE DIELECTRICS	6297107	2001-10-02	09/691228	2000-10-19	GLOBALFOUNDRIES Inc.	Granted
CMOS PROCESS WITH LOW THERMAL BUDGET	6297115	2001-10-02	09/303696	1999-05-03	GLOBALFOUNDRIES Inc.	Granted
TIME RAMPED METHOD FOR PLATING OF HIGH ASPECT RATIO SEMICONDUCTOR VIAS AND CHANNELS	6297157	2001-10-02	09/431516	1999-11-01	GLOBALFOUNDRIES Inc.	Granted
ELECTROLYTIC DEPOSITION OF DIELECTRIC PRECURSOR MATERIALS FOR USE IN IN-LAID GATE MOS TRANSISTORS	6300203	2001-10-09	09/679872	2000-10-05	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING A SEMICONDUCTOR DEVICE WITH SELF-ALIGNED ACTIVE, LIGHTLY-DOPED DRAIN, AND HALO REGIONS	6300205	2001-10-09	09/193262	1998-11-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DERIVATIVE CONTROLLED PHASE LOCKED LOOP SYSTEMS	6300838	2001-10-09	09/470408	1999-12-22	GLOBALFOUNDRIES Inc.	Granted
CONNECTING DEVICES AND METHOD FOR INTERCONNECTING CIRCUIT COMPONENTS	6302702	2001-10-16	09/516904	2000-03-01	GLOBALFOUNDRIES Inc.	Granted
SUBSTRATE REMOVAL AS A FUNCTION OF RESISTANCE AT THE BACK SIDE OF A SEMICONDUCTOR DEVICE	6303396	2001-10-16	09/408881	1999-09-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM OF MANAGING WAFERS IN A SEMICONDUCTOR DEVICE PRODUCTION FACILITY	6303398	2001-10-16	09/564211	2000-05-04	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING COPPER-BASED SEMICONDUCTOR DEVICES USING A SACRIFICIAL DIELECTRIC LAYER AND AN UNCONSTRAINED COPPER ANNEAL	6303486	2001-10-16	09/493320	2000-01-28	GLOBALFOUNDRIES Inc.	Granted
IN-SITU FEEDBACK SYSTEM FOR LOCALIZED CMP THICKNESS CONTROL	6303507	2001-10-16	09/487180	2000-01-19	GLOBALFOUNDRIES Inc.	Granted
LOW NOISE, HIGH FREQUENCY SOLID STATE DIODE	6303975	2001-10-16	09/436166	1999-11-09	GLOBALFOUNDRIES Inc.	Granted

METHOD AND SYSTEM FOR DATA TRANSMISSION IN ACCELERATED GRAPHICS PORT SYSTEMS	6304935	2001-10-16	09/174900	1998-10-19	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR EMBEDDED PROCESS CONTROL FRAMEWORK IN TOOL SYSTEMS	6304999	2001-10-16	09/694139	2000-10-23	GLOBALFOUNDRIES Inc.	Granted
PLACEMENT OF CONDUCTIVE STRIPES IN ELECTRONIC CIRCUITS TO SATISFY METAL DENSITY REQUIREMENTS	6305000	2001-10-16	09/334171	1999-06-15	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN RESIST AND SION/OXIDE HARD MASK FOR METAL ETCH	6306560	2001-10-23	09/204630	1998-12-02	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING METAL SILICIDE REGIONS OF DIFFERING THICKNESSES ABOVE THE GATE ELECTRODE AND THE SOURCE/DRAIN REGIONS, AND METHOD OF MAKING SAME	6306698	2001-10-23	09/558963	2000-04-25	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF A GATE STRUCTURES HAVING A LONGER LENGTH TOWARD THE TOP FOR FORMATION OF A RECTANGULAR SHAPED SPACER	6306710	2001-10-23	09/498231	2000-02-03	GLOBALFOUNDRIES Inc.	Granted
MODULATION OF GATE POLYSILICON DOPING PROFILE BY SIDEWALL IMPLANTATION	6306738	2001-10-23	09/334926	1999-06-17	GLOBALFOUNDRIES Inc.	Granted
USE OF DUAL PATTERNING MASKS FOR PRINTING HOLES OF SMALL DIMENSIONS	6306769	2001-10-23	09/494698	2000-01-31	GLOBALFOUNDRIES Inc.	Granted
REAL TIME DECISION MAKING SYSTEM FOR REDUCTION OF TIME DELAYS IN AN AUTOMATED MATERIAL HANDLING SYSTEM	6308107	2001-10-23	09/387175	1999-08-31	GLOBALFOUNDRIES Inc.	Granted
INSTRUCTION QUEUE EVALUATING DEPENDENCY VECTOR IN PORTIONS DURING DIFFERENT CLOCK PHASES	6308259	2001-10-23	09/624841	2000-07-25	GLOBALFOUNDRIES Inc.	Granted
STI PUNCH-THROUGH DEFECTS AND STRESS REDUCTION BY HIGH TEMPERATURE OXIDE REFLOW PROCESS	6309942	2001-10-30	09/245161	1999-02-04	GLOBALFOUNDRIES Inc.	Granted
UART SUPPORT FOR ADDRESS BIT ON SEVEN BIT FRAMES USING AN INDEPENDENT CLOCK TO COORDINATE ACCESS TO REGISTERS BY A PERIPHERAL DEVICE AND A HOST SYSTEM	6311235	2001-10-30	09/184277	1998-10-31	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE INPUT SHIT REGISTER (MISR) SIGNATURES USED ON ARCHITECTED REGISTERS TO DETECT INTERIM FUNCTIONAL ERRORS ON INSTRUCTION STREAM TEST	6311284	2001-10-30	09/270240	1999-03-15	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE INPUT SHIT REGISTER (MISR) SIGNATURES USED ON ARCHITECTED REGISTERS TO DETECT INTERIM FUNCTIONAL ERRORS ON INSTRUCTION STREAM TEST	6311311	2001-10-30	09/377125	1999-08-19	GLOBALFOUNDRIES Inc.	Granted
MULTILAYER CERAMIC SUBSTRATE WITH ANCHORED PAD METHOD FOR FORMING A DUAL DAMASCENE TRENCH AND UNDERLYING BORDERLESS VIA IN LOW DIELECTRIC CONSTANT MATERIALS	6312791	2001-11-06	09/648862	2000-08-25	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A DUAL DAMASCENE TRENCH AND UNDERLYING BORDERLESS VIA IN LOW DIELECTRIC CONSTANT MATERIALS	6312874	2001-11-06	09/187232	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
MOS TRANSISTOR WITH ASSISTED-GATES AND ULTRA-SHALLOW PRESUED OF SOURCE AND DRAIN EXTENSIONS FOR ULTRA-LARGE-SCALE INTEGRATION	6312995	2001-11-06	09/263557	1999-03-08	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH SPACERS THAT ARE REMOVABLE WITH PRESERVATION OF THE GATE DIELECTRIC	6312998	2001-11-06	09/690073	2000-10-16	GLOBALFOUNDRIES Inc.	Granted
X-GATE FORMATION USING DAMASCENE PROCESSING	6313019	2001-11-06	09/643343	2000-08-22	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH PARTIAL PASSIVATION LAYER	6313538	2001-11-06	09/489479	2000-01-21	GLOBALFOUNDRIES Inc.	Granted
PHOTORESIST REMOVAL USING A POLISHING TOOL	6315637	2001-11-13	09/484601	2000-01-18	GLOBALFOUNDRIES Inc.	Granted
TUNABLE VAPOR DEPOSITED MATERIALS AS ANTIREFLECTIVE COATINGS, HARDMASKS AND AS COMBINED ANTIREFLECTIVE COATING/HARDMASKS AND METHODS OF FABRICATION THEREOF AND APPLICATION THEREOF	6316167	2001-11-13	09/480442	2000-01-10	GLOBALFOUNDRIES Inc.	Granted
HIGH-TEMPERATURE FLUORINATED CHEMISTRY REMOVAL OF CONTACT BARC LAYER	6316345	2001-11-13	09/369602	1999-08-06	GLOBALFOUNDRIES Inc.	Granted

CAPACITOR COUPLED CHUCK FOR CARBON DIOXIDE SNOW CLEANING SYSTEM	6319102	2001-11-20	09/250776	1999-07-09	GLOBALFOUNDRIES Inc.	Granted
SCALED INTERCONNECT ANODIZATION FOR HIGH FREQUENCY APPLICATIONS	6319616	2001-11-20	09/430766	1999-10-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CHARACTERIZING A SEMICONDUCTOR DEVICE	6319737	2001-11-20	09/271498	1999-08-10	GLOBALFOUNDRIES Inc.	Granted
SINGLE-LAYER AUTOROUTER	6319752	2001-11-20	09/556304	2000-04-24	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING LATERAL DOPANT GRADIENT IN SOURCE/RAIN EXTENSION OF MOSFET	6319798	2001-11-20	09/405266	1999-09-23	GLOBALFOUNDRIES Inc.	Granted
T-GATE FORMATION USING MODIFIED DAMASCENE PROCESSING WITH TWO MASKS	6319802	2001-11-20	09/620145	2000-07-20	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR PASSIVATING TOP INTERFACE OF DAMASCENE-TYPE CU INTERCONNECT LINES	6319819	2001-11-20	09/484439	2000-01-18	GLOBALFOUNDRIES Inc.	Granted
CHEMICALLY PREVENTING COPPER DENDRITE FORMATION AND GROWTH BY SPRAYIN	6319833	2001-11-20	09/207318	1998-12-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR IMPROVED PLANARITY METALLIZATION BY ELECTROPLATING AND CMP	6319834	2001-11-20	09/639812	2000-08-17	GLOBALFOUNDRIES Inc.	Granted
BORDESS VIAS WITH HSQ GAP FILLED METAL PATTERNS HAVING HIGH ETCHING RESISTANCE	6319859	2001-11-20	09/338516	1999-06-23	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE ACTIVE LAYER INTEGRATED CIRCUIT AND A METHOD OF MAKING SUCH A CIRCUIT	6320228	2001-11-20	09/483678	2000-01-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR SELECTIVELY DISCONNECTING A REDUNDANT POWER DISTRIBUTION NETWORK TO INDENTIFY A SITE OF A SHORT	6320400	2001-11-20	09/208713	1998-12-09	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FABRICATING A SEMICONDUCTOR DEVICE COMPONENT BY OXIDIZING A SILICON HARD MASK	6323093	2001-11-27	09/290088	1999-04-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SELF-ALIGNED FORMATION OF SILICIDE CONTACTS USING METAL SILICON ALLOYS FOR LIMITED SILICON CONSUMPTION AND FOR REDUCTION OF BRIDGING	6323130	2001-11-27	09/515033	2000-03-06	GLOBALFOUNDRIES Inc.	Granted
SILICON ON INSULATOR THICK OXIDE STRUCTURE AND PROCESS OF MANUFACTURE	6323322	2001-11-27	09/227695	1999-01-08	GLOBALFOUNDRIES Inc.	Granted
PIPELINE ANALOG TO DIGITAL (AND) CONVERTER WITH LENGTHENED HOLD OPERATION OF A FIRST STAGE	6323800	2001-11-27	09/506316	2000-02-17	GLOBALFOUNDRIES Inc.	Granted
MICROMECHANICAL DISPLAYS AND FABRICATION METHOD	6323834	2001-11-27	09/168456	1998-10-08	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL-MECHANICAL POLISHING SLURRY THAT REDUCES WAFER DEFECTS AND POLISHING SYSTEM	6325705	2001-12-04	09/750593	2000-12-28	GLOBALFOUNDRIES Inc.	Granted
DEVICE FOR PATTERNING A SUBSTRATE WITH PATTERNING CAVITIES	6326058	2001-12-04	09/528326	2000-03-20	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CREATING SELECTIVELY THIN SILICON/OXIDE FOR MAKING FULLY AND PARTIALLY DEPLETED SOI ON SAME WAFER	6326247	2001-12-04	09/606651	2000-06-28	GLOBALFOUNDRIES Inc.	Granted
DRAM CELL WITH VERTICAL CMOS TRANSISTOR	6326275	2001-12-04	09/559363	2000-04-24	GLOBALFOUNDRIES Inc.	Granted
SIMULTANEOUS MULTIPLE SILICON ON INSULATOR (SOI) WAFER PRODUCTION	6326285	2001-12-04	09/511165	2000-02-24	GLOBALFOUNDRIES Inc.	Granted
SUBSTANTIALLY PLANAR SEMICONDUCTOR TOPOGRAPHY USING DIELECTRICS AND CHEMICAL MECHANICAL POLISH	6326298	2001-12-04	09/513293	2000-02-25	GLOBALFOUNDRIES Inc.	Granted
E-BEAM SHAPE APERATURE INCORPORATING LITHOGRAPHICALLY DEFINED HEATER ELEMENT	6326634	2001-12-04	09/364843	1999-07-30	GLOBALFOUNDRIES Inc.	Granted
INSULATING AND CAPPING STRUCTURE WITH PRESERVATION OF THE LOW DIELECTRIC CONSTANT OF THE INSULATING LAYER	6326692	2001-12-04	09/511465	2000-02-23	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR NON-CONTACT STRESS EVALUATION OF WAFER GATE DIELECTRIC RELIABILITY	6326732	2001-12-04	09/250880	1999-02-16	GLOBALFOUNDRIES Inc.	Granted

PROGRAMMABLE STATE MACHINE	6327508	2001-12-04	09/208909	1998-12-10	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR PROCESSOR DUAL VOLTAGE DETECTION AND OVER STRESS PROTECTION	6327663	2001-12-04	09/176737	1998-10-21	GLOBALFOUNDRIES Inc.	Granted
DELTA COMPRESSED ASYNCHRONOUS REMOTE COPY	6327671	2001-12-04	09/195187	1998-11-18	GLOBALFOUNDRIES Inc.	Granted
VARIABLE SYMBOLIC LINKS FOR A FILE IN UNIX OPERATING SYSTEM	6327703	2001-12-04	09/258763	1999-02-26	GLOBALFOUNDRIES Inc.	Granted
METHOD TO PRODUCE HIGH DENSITY MEMORY CELLS AND SMALL SPACES BY USING NITRIDE SPACER	6329124	2001-12-11	09/320417	1999-05-26	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED DAMASCENE GATE FORMATION WITH LOW GATE RESISTANCE	6329256	2001-12-11	09/666088	2000-09-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING COBALT SILICIDE	6329277	2001-12-11	09/417839	1999-10-14	GLOBALFOUNDRIES Inc.	Granted
LOW CTE POWER AND GROUND PLANES	6329603	2001-12-11	09/288051	1999-04-07	GLOBALFOUNDRIES Inc.	Granted
UART AUTOMATIC PARITY SUPPORT FOR FRAMES WITH ADDRESS BITS	6332173	2001-12-18	09/183945	1998-10-31	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR CANCELING SPECULATIVELY FETCHED INSTRUCTIONS FOLLOWING A BRANCH MIS-PREDICTION IN A MICROPROCESSOR	6332191	2001-12-18	09/233259	1999-01-19	GLOBALFOUNDRIES Inc.	Granted
CMOS CHEMICAL BATH PURIFICATION	6332973	2001-12-25	09/490465	2000-01-25	GLOBALFOUNDRIES Inc.	Granted
SLURRY FOR CHEMICAL MECHANICAL POLISHING OF COPPER	6332989	2001-12-25	09/636516	2000-08-10	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ETCHING CONTACTS WITH REDUCED OXIDE STRESS	6333218	2001-12-25	09/501995	2000-02-11	GLOBALFOUNDRIES Inc.	Granted
PATTERN-BLOCK FLUX DEPOSITION	6333253	2001-12-25	09/696049	2000-10-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING STRESS CORROSION INDUCED VOIDING OF PATTERNED METAL LAYERS	6333263	2001-12-25	09/283388	1999-04-02	GLOBALFOUNDRIES Inc.	Granted
WATER CLEANING APPARATUS	6334230	2002-01-01	09/758989	2001-01-12	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL MECHANICAL POLISHING IN-SITU END POINT SYSTEM	6334807	2002-01-01	09/302737	1999-04-30	GLOBALFOUNDRIES Inc.	Granted
USE OF RTA FURNACE FOR PHOTORESIST BAKING	6335152	2002-01-01	09/564408	2000-05-01	GLOBALFOUNDRIES Inc.	Granted
MANUFACTURING A DRAM CELL HAVING AN ANNULAR SIGNAL TRANSFER REGION	6335239	2002-01-01	09/641205	2000-08-18	GLOBALFOUNDRIES Inc.	Granted
SURFACE TREATMENT OF LOW-K SIOF TO PREVENT METAL INTERACTION	6335273	2002-01-01	09/443376	1999-11-19	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IMPROVING PERFORMANCE OF ORGANIC SEMICONDUCTORS IN BOTTOM ELECTRODE STRUCTURE	6335539	2002-01-01	09/434365	1999-11-05	GLOBALFOUNDRIES Inc.	Granted
MULTI-PORT COMMUNICATION SWITCH HAVING GIGAPORT AND EXPANSION PORTS SHARING THE SAME TIME SLOT IN INTERNAL RULES CHECKER	6335938	2002-01-01	09/304959	1999-05-05	GLOBALFOUNDRIES Inc.	Granted
INCREASED SPEED INITIALIZATION USING DYNAMIC SLOT ALLOCATION	6336156	2002-01-01	09/296551	1999-04-22	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR IMPROVED FOCUS IN OPTICAL PROCESSING	6337217	2002-01-08	09/503406	2000-02-14	GLOBALFOUNDRIES Inc.	Granted
USE OF KNOCKED-ON OXYGEN ATOMS FOR REDUCTION OF TRANSIENT ENHANCED DIFFUSION	6337260	2002-01-08	09/667602	2000-09-22	GLOBALFOUNDRIES Inc.	Granted
CHIP PACKAGING SYSTEM AND METHOD USING DEPOSITED DIAMOND FILM	6337513	2002-01-08	09/449886	1999-11-30	GLOBALFOUNDRIES Inc.	Granted
LOW-POWER DC VOLTAGE GENERATOR SYSTEM	6337595	2002-01-08	09/627599	2000-07-28	GLOBALFOUNDRIES Inc.	Granted
PIPELINE ANALOG TO DIGITAL (AND) CONVERTER WITH RELAXED ACCURACY REQUIREMENT FOR SAMPLE AND HOLD STAGE	6337651	2002-01-08	09/506284	2000-02-17	GLOBALFOUNDRIES Inc.	Granted
HARD MASK FOR INTEGRATED CIRCUIT FABRICATION	6339017	2002-01-15	09/596993	2000-06-20	GLOBALFOUNDRIES Inc.	Granted
FULLY DEPLETED SILICON ON INSULATOR SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREFOR	6339244	2002-01-15	09/511418	2000-02-22	GLOBALFOUNDRIES Inc.	Granted

SYSTEM AND METHOD FOR THE DISTRIBUTION OF AUTOMOTIVE SERVICES	6339736	2002-01-15	09/539897	2000-03-31	GLOBALFOUNDRIES Inc.	Granted
ADDRESS SPACE CONVERSION TO RETAIN SOFTWARE COMPATIBILITY IN NEW ARCHITECTURES	6339808	2002-01-15	09/224820	1999-01-04	GLOBALFOUNDRIES Inc.	Granted
USING PADDED INSTRUCTIONS IN A BLOCK-ORIENTED CACHE	6339822	2002-01-15	09/165609	1998-10-02	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC RECOVERY FROM CLOCK SIGNAL LOSS	6339833	2002-01-15	09/247334	1999-02-10	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR RAMPED CURRENT DENSITY PLATING OF SEMICONDUCTOR VIAS AND TRENCHES	6340633	2002-01-22	09/276839	1999-03-26	GLOBALFOUNDRIES Inc.	Granted
SILSESQUOXANE POLYMERS, METHOD OF SYNTHESIS, PHOTORESIST COMPOSITION, AND MULTILAYER LITHOGRAPHIC METHOD	6340734	2002-01-22	09/454563	1999-12-07	GLOBALFOUNDRIES Inc.	Granted
STRESS RELIEVED BALL GRID ARRAY PACKAGE	6341071	2002-01-22	09/272517	1999-03-19	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY DEVICE	6341079	2002-01-22	09/863848	2001-05-23	GLOBALFOUNDRIES Inc.	Granted
SYSTEM LEVEL TEST SOCKET	6341963	2002-01-29	09/610867	2000-07-06	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF A FIELD EFFECT TRANSISTOR WITH THREE SIDED GATE STRUCTURE ON SEMICONDUCTOR ON INSULATOR	6342410	2002-01-29	09/612781	2000-07-10	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE NISI METAL GATE HIGH-K TRANSISTOR	6342414	2002-01-29	09/734189	2000-12-12	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION FORMATION WITHOUT PLANARIZATION MASK	6342432	2002-01-29	09/371919	1999-08-11	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC DEVICES WITH DIELECTRIC COMPOSITIONS AND METHOD FOR THEIR MANUFACTURE	6342454	2002-01-29	09/441730	1999-11-16	GLOBALFOUNDRIES Inc.	Granted
REDUCED ELECTROMIGRATION AND STRESSED INDUCED MIGRATION OF CU WIRES BY SURFACE COATING	6342733	2002-01-29	09/361573	1999-07-27	GLOBALFOUNDRIES Inc.	Granted
SUPER LOW-POWER GENERATOR SYSTEM FOR EMBEDDED APPLICATIONS	6343044	2002-01-29	09/679124	2000-10-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PLATING COPPER CONDUCTORS AND DEVICES FORMED	6344129	2002-02-05	09/418197	1999-10-13	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED DAMASCENE INTERCONNECT	6344389	2002-02-05	09/294076	1999-04-19	GLOBALFOUNDRIES Inc.	Granted
REMOVABLE SPACER TECHNOLOGY USING ION IMPLANTATION FOR FORMING ASYMMETRIC MOS TRANSISTORS	6344396	2002-02-05	09/667601	2000-09-22	GLOBALFOUNDRIES Inc.	Granted
THIN-FILM FIELD-EFFECT TRANSISTOR WITH ORGANIC SEMICONDUCTOR REQUIRING LOW OPERATING VOLTAGES	6344660	2002-02-05	09/323804	1999-06-02	GLOBALFOUNDRIES Inc.	Granted
MULTILAYERED PIN GRID ARRAY INTERPOSER APPARATUS AND METHOD FOR TESTING SEMICONDUCTOR DEVICES HAVING A NON-PIN GRID ARRAY FOOTPRINT	6344684	2002-02-05	09/610865	2000-07-06	GLOBALFOUNDRIES Inc.	Granted
BARRIER MATERIALS FOR METAL INTERCONNECT IN A SEMICONDUCTOR DEVICE	6344691	2002-02-05	09/664863	2000-09-19	GLOBALFOUNDRIES Inc.	Granted
CAPACITOR HAVING SIDEWALL SPACER PROTECTING THE DIELECTRIC LAYER	6344964	2002-02-05	09/616951	2000-07-14	GLOBALFOUNDRIES Inc.	Granted
GEAR BOX FOR MULTIPLE CLOCK DOMAINS	6345328	2002-02-05	09/328940	1999-06-09	GLOBALFOUNDRIES Inc.	Granted
MANAGING VT FOR REDUCED POWER USING A STATUS TABLE	6345362	2002-02-05	09/287173	1999-04-06	GLOBALFOUNDRIES Inc.	Granted
POLYMERS AND USE THEREOF	6346362	2002-02-12	09/593704	2000-06-15	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A SEMICONDUCTOR DEVICE WITH A TAILORED WELL PROFILE	6346463	2002-02-12	09/565858	2000-05-05	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING COPPER INTERCONNECTS	6346479	2002-02-12	09/593669	2000-06-14	GLOBALFOUNDRIES Inc.	Granted
MODIFIED GATE CONDUCTOR PROCESSING FOR POLY LENGTH CONTROL IN HIGH DENSITY DRAMS	6346734	2002-02-12	09/325942	1999-06-04	GLOBALFOUNDRIES Inc.	Granted
ELECTROPLATING MULTI-TRACE CIRCUIT BOARD SUBSTRATES USING SINGLE THE BAR	6348142	2002-02-19	09/633620	2000-08-07	GLOBALFOUNDRIES Inc.	Granted

SYSTEM AND METHOD FOR CONTROLLING POLYSILICON FEATURE CRITICAL DIMENSION DURING PROCESSING	6348289	2002-02-19	09/266486	1999-08-03	GLOBALFOUNDRIES Inc.	Granted
NAVIGATION USING 3-D DETECTABLE PATTERN	6348364	2002-02-19	09/283733	1999-08-26	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH ELECTRICALLY INDUCED DRAIN AND SOURCE EXTENSIONS	6348387	2002-02-19	09/612771	2000-07-10	GLOBALFOUNDRIES Inc.	Granted
USER-PRIORITIZED CACHE REPLACEMENT	6349365	2002-02-19	09/415892	1999-10-08	GLOBALFOUNDRIES Inc.	Granted
TIMER PROCESSING ENGINE FOR SUPPORTING MULTIPLE VIRTUAL MINIMUM TIME TIMERS	6349388	2002-02-19	09/307085	1999-05-07	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DETERMINING A POLISHING RECIPE BASED UPON THE MEASURED PRE-POLISH THICKNESS OF A PROCESS LAYER	6350179	2002-02-26	09/749112	2000-12-26	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CREATING THINNER RESIST COATING THAT ALSO HAS FEWER PINHOLES	6350559	2002-02-26	09/298642	1999-09-17	GLOBALFOUNDRIES Inc.	Granted
SIMPLIFIED GRADED LDD TRANSISTOR USING CONTROLLED POLYSILICON GATE PROFILE	6350639	2002-02-26	09/832684	2001-04-10	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED DRAM ON SILICON-ON-INSULATOR SUBSTRATE	6350653	2002-02-26	09/689096	2000-10-12	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING ULTRA-SHARP P-N JUNCTION AND METHOD OF MANUFACTURING THE SAME	6351023	2002-02-26	09/689660	2000-10-13	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR MONITORING THE PERFORMANCE OF A MICROPROCESSOR	6351724	2002-02-26	09/758487	2001-01-10	GLOBALFOUNDRIES Inc.	Granted
PROGRAM COUNTER UPDATE MECHANISM	6351801	2002-02-26	09/483493	2000-01-14	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGY FOR MITIGATING FORMATION OF T-TOPS IN PHOTORESIST	6352817	2002-03-05	09/422592	1999-10-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING FEATURE DIMENSIONS BASED UPON ETCH CHEMISTRY CONCENTRATIONS	6352867	2002-03-05	09/478181	2000-01-05	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ENDPOINTING PLASMA STRIP PROCESS BY MEASURING WATER TEMPERATURE	6352870	2002-03-05	09/591967	2000-06-12	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR HAVING A PERIPHERALLY INCREASED GATE INSULATION THICKNESS AND A METHOD OF FABRICATING THE SAME	6352885	2002-03-05	09/579310	2000-05-25	GLOBALFOUNDRIES Inc.	Granted
BILAYER ANTI-REFLECTIVE COATING AND ETCH HARD MASK	6352930	2002-03-05	09/814636	2001-03-22	GLOBALFOUNDRIES Inc.	Granted
METHOD TO FORM NARROW STRUCTURE USING DOUBLE-DAMASCENE PROCESS	6355528	2002-03-12	09/426911	1999-10-26	GLOBALFOUNDRIES Inc.	Granted
THERMALLY GROWN PROTECTIVE OXIDE BUFFER LAYER FOR ARC REMOVAL	6355546	2002-03-12	09/371922	1999-08-11	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING COPPER-BASED SEMICONDUCTOR DEVICES USING A SACRIFICIAL DIELECTRIC LAYER	6355555	2002-03-12	09/493384	2000-01-28	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING WITHOUT DAMAGING HSQ LAYER AND METAL PATTERN	6355575	2002-03-12	09/575463	2000-05-22	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR AND A METHOD FOR FORMING THE TRANSISTOR WITH ELEVATED AND/OR RELATIVELY SHALLOW SOURCE/DRAIN REGIONS TO ACHIEVE ENHANCED GATE ELECTRODE FORMATION	6355955	2002-03-12	09/503979	2000-02-14	GLOBALFOUNDRIES Inc.	Granted
PIEZO PROGRAMMABLE RETICLE FOR EUV LITHOGRAPHY	6356340	2002-03-12	09/197020	1998-11-20	GLOBALFOUNDRIES Inc.	Granted
METHODS AND ARRANGEMENTS FOR DETERMINING AN ENDPOINT FOR AN IN-SITU LOCAL INTERCONNECT ETCHING PROCESS	6358362	2002-03-19	09/515321	2000-02-29	GLOBALFOUNDRIES Inc.	Granted
ROLLING BALL CONNECTOR	6358627	2002-03-19	09/768112	2001-01-23	GLOBALFOUNDRIES Inc.	Granted
DEVICE IMPROVEMENT BY LOWERING LDD RESISTANCE WITH NEW SPACER/SILICIDE PROCESS	6358826	2002-03-19	09/838389	2001-04-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING BARRIER LAYERS FOR DAMASCENE INTERCONNECTS	6358832	2002-03-19	09/641834	2000-08-18	GLOBALFOUNDRIES Inc.	Granted

METHOD OF MAKING ULTRA SMALL VIAS FOR INTEGRATED CIRCUITS	6358843	2002-03-19	09/824421	2001-04-02	GLOBALFOUNDRIES Inc.	Granted
BRIGHT FIELD IMAGE REVERSAL FOR CONTACT HOLE PATTERNING	6358856	2002-03-19	09/716215	2000-11-21	GLOBALFOUNDRIES Inc.	Granted
CAPACTIVELY COUPLED DIMOS ON SOI FOR MULTIPLE DEVICES	6359298	2002-03-19	09/619838	2000-07-20	GLOBALFOUNDRIES Inc.	Granted
DIGITAL LOGIC CORRECTION CIRCUIT FOR A PIPELINE ANALOG TO DIGITAL (A/D) CONVERTER	6359579	2002-03-19	09/506037	2000-02-17	GLOBALFOUNDRIES Inc.	Granted
PERSONAL COMMUNICATOR INCLUDING A HANDSET PHONE WITH AN INTEGRATED VIRTUAL IMAGE DISPLAY	6360104	2002-03-19	09/289731	1999-09-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR AUTOMATIC ROUTING FOR REENRANT PROCESS	6360133	2002-03-19	09/335405	1999-06-17	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR GENERATING TAXONOMIES WITH APPLICATIONS TO CONTENT-BASED RECOMMENDATIONS	6360227	2002-03-19	09/240231	1999-01-29	GLOBALFOUNDRIES Inc.	Granted
PREDECODING MULTIPLE INSTRUCTIONS AS ONE COMBINED INSTRUCTION AND DETECTING BRANCH TO ONE OF THE INSTRUCTIONS	6360317	2002-03-19	09/702220	2000-10-30	GLOBALFOUNDRIES Inc.	Granted
DUAL AMORPHIZATION PROCESS OPTIMIZED TO REDUCE GATE LINE OVER-MELT	6361874	2002-03-26	09/597623	2000-06-20	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR FORMING A COPPER INTERCONNECT	6362100	2002-03-26	09/589839	2000-06-08	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CONTROLLING PHOTORESIST BAKING PROCESSES	6362116	2002-03-26	09/500727	2000-02-09	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR TOPOGRAPHY HAVING IMPROVED ACTIVE DEVICE ISOLATION AND REDUCED DOPANT MIGRATION	6362510	2002-03-26	09/206550	1998-12-07	GLOBALFOUNDRIES Inc.	Granted
COOL FRAME FOR PROTECTING PACKAGED ELECTRONIC DEVICES	6362522	2002-03-26	09/612589	2000-07-10	GLOBALFOUNDRIES Inc.	Granted
EDGE SEAL RING FOR COPPER DAMASCENE PROCESS AND METHOD FOR FABRICATION THEREOF	6362524	2002-03-26	09/625367	2000-07-26	GLOBALFOUNDRIES Inc.	Granted
RECESSED BOND PAD	6362531	2002-03-26	09/564626	2000-05-04	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SAVING AND LOADING PERIPHERAL DEVICE STATES OF A MICROCONTROLLER VIA A SCAN PATH	6363501	2002-03-26	09/209190	1998-12-10	GLOBALFOUNDRIES Inc.	Granted
SPRING CONTACT FOR PROVIDING HIGH CURRENT POWER TO AN INTEGRATED CIRCUIT	6364669	2002-04-02	09/614817	2000-07-12	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FORMING ANTI-REFLECTIVE FILM FOR SEMICONDUCTOR FABRICATION USING EXTREMELY SHORT WAVELENGTH DEEP ULTRAVIOLET PHOTOLITHOGRAPHY	6365320	2002-04-02	09/233849	1999-01-19	GLOBALFOUNDRIES Inc.	Granted
BLENDS OF HYDROXYSTYRENE POLYMERS FOR USE IN CHEMICALLY AMPLIFIED POSITIVE RESIST FORMULATIONS	6365321	2002-04-02	09/291389	1999-04-13	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED VARIATION OF STEPPER EXPOSURE DOSE BASED UPON ACROSS WAFER VARIATIONS IN DEVICE CHARACTERISTICS, AND SYSTEM FOR ACCOMPLISHING SAME	6365422	2002-04-02	09/766737	2001-01-22	GLOBALFOUNDRIES Inc.	Granted
DUAL GATE PROCESS USING SELF-ASSEMBLED MOLECULAR LAYER	6365466	2002-04-02	09/774939	2001-01-31	GLOBALFOUNDRIES Inc.	Granted
ISOTROPIC RESISTOR PROTECT ETCH TO AID IN RESIDUE REMOVAL	6365481	2002-04-02	09/660724	2000-09-13	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR IC PERFORMANCE METRIC	6365859	2002-04-02	09/605592	2000-06-28	GLOBALFOUNDRIES Inc.	Granted
MANUFACTURING REFERENCE DATABASE	6366824	2002-04-02	09/190986	1998-11-12	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR INCLUDING EFFICIENT FETCH MECHANISM FOR LUND LI CACHES	6367001	2002-04-02	09/735197	2000-12-08	GLOBALFOUNDRIES Inc.	Granted
DETECTION OF FLUX RESIDUE	6367679	2002-04-09	09/642831	2000-08-22	GLOBALFOUNDRIES Inc.	Granted

ACTIVE MASK EXPOSURE COMPENSATION OF UNDERLYING NITRIDE THICKNESS VARIATION TO REDUCE CRITICAL DIMENSION (CD) VARIATION	6368762	2002-04-09	09/667573	2000-09-22	GLOBALFOUNDRIES Inc.	Granted
INTENTIONAL ASYMMETRY IMPOSED DURING FABRICATION AND/OR ACCESS OF MAGNETIC TUNNEL JUNCTION DEVICES	6368878	2002-04-09	09/531715	2000-03-21	GLOBALFOUNDRIES Inc.	Granted
PROCESS CONTROL WITH CONTROL SIGNAL DERIVED FROM METROLOGY OF A REPEATITIVE CRITICAL DIMENSION FEATURE OF A TEST STRUCTURE ON THE WORK PIECE	6368879	2002-04-09	09/401090	1999-09-22	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IDENTIFYING AND CONTROLLING IMPACT OF AMBIENT CONDITIONS ON PHOTOLITHOGRAPHY PROCESSES	6368883	2002-04-09	09/371561	1999-08-10	GLOBALFOUNDRIES Inc.	Granted
DIE-BASED IN-FAB PROCESS MONITORING AND ANALYSIS SYSTEM FOR SEMICONDUCTOR PROCESSING	6368884	2002-04-09	09/548142	2000-04-13	GLOBALFOUNDRIES Inc.	Granted
PROCESS UTILIZING A CAP LAYER OPTIMIZED TO REDUCE GATE LINE OVER-MELT	6368947	2002-04-09	09/597098	2000-06-20	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING CAPPED COPPER INTERCONNECTS WITH REDUCED HILLOCKS	6368948	2002-04-09	09/626454	2000-07-26	GLOBALFOUNDRIES Inc.	Granted
SILICIDE GATE TRANSISTORS	6368950	2002-04-09	09/734186	2000-12-12	GLOBALFOUNDRIES Inc.	Granted
GRADED COMPOUND SEED LAYERS FOR SEMICONDUCTORS	6368961	2002-04-09	09/723812	2000-11-28	GLOBALFOUNDRIES Inc.	Granted
PASSIVATION OF SEMICONDUCTOR DEVICE SURFACES USING AN IODINE/ETHANOL SOLUTION	6368963	2002-04-09	09/660396	2000-09-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR LOW STRESS PLATING OF SEMICONDUCTOR VIAS AND CHANNELS	6368965	2002-04-09	09/784842	2001-02-15	GLOBALFOUNDRIES Inc.	Granted
METHOD TO CONTROL MECHANICAL STRESS OF COPPER INTERCONNECT LINE USING POST-PLATING COPPER ANNEAL	6368967	2002-04-09	09/564610	2000-05-04	GLOBALFOUNDRIES Inc.	Granted
LOW RESISTANCE COMPOSITE CONTACT STRUCTURE UTILIZING A REACTOR BARRIER LAYER UNDER A METAL LAYER	6369429	2002-04-09	09/641727	2000-08-21	GLOBALFOUNDRIES Inc.	Granted
CAPACITOR LAMINATE FOR USE IN PRINTED CIRCUIT BOARD AND AS AN INTERCONNECTOR	6370012	2002-04-09	09/652596	2000-08-30	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZED ALLOCATION OF MULTI-PIPELINE EXECUTABLE AND SPECIFIC PIPELINE EXECUTABLE INSTRUCTIONS TO EXECUTION PIPELINES BASED ON CRITERIA	6370637	2002-04-09	09/370789	1999-08-05	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR PROVIDING A WAIT FOR STATUS CHANGE CAPABILITY FOR A HOST COMPUTER SYSTEM	6370660	2002-04-09	09/295978	1999-04-21	GLOBALFOUNDRIES Inc.	Granted
INFORMATION PROCESSING MINIATURE DEVICES WITH EMBEDDED PROJECTORS	6371616	2002-04-16	09/438633	1999-11-12	GLOBALFOUNDRIES Inc.	Granted
METHOD TO REDUCE OCCURRENCES OF FILLET CRACKING IN FLIP-CHIP UNDERFILL	6372544	2002-04-16	09/599530	2000-06-23	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED SOI DEVICE WITH BODY CONTACT AND NIS ₂ GATE	6372563	2002-04-16	09/614894	2000-07-12	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED TRENCH CAPACITOR CAPPING PROCESS FOR HIGH DENSITY DRAM CELLS	6372573	2002-04-16	09/426754	1999-10-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING ULTRA-SHALLOW SOURCE/RAIN EXTENSION BY IMPURITY DIFFUSION FROM DOPED DIELECTRIC SPACER	6372589	2002-04-16	09/552050	2000-04-19	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MAKING A SLOT VIA FILLED DUAL DAMASCENE LOW K INTERCONNECT STRUCTURE WITHOUT MIDDLE STOP LAYER	6372635	2002-04-16	09/776736	2001-02-06	GLOBALFOUNDRIES Inc.	Granted
HYDROGEN PASSIVATED SILICON NITRIDE SPACERS FOR REDUCED NICKEL SILICIDE BRIDGING	6372644	2002-04-16	09/789765	2001-02-22	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF METAL OXIDE STRUCTURE FOR A GATE DIELECTRIC OF A FIELD EFFECT TRANSISTOR	6372659	2002-04-16	09/661041	2000-09-14	GLOBALFOUNDRIES Inc.	Granted

METHOD OF FORMING SILICON OXYNITRIDE FILMS	6372668	2002-04-16	09/484603	2000-01-18	GLOBALFOUNDRIES Inc.	Granted
SILICON-STARVED NITRIDE SPACER DEPOSITION	6372673	2002-04-16	09/781256	2001-02-13	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR BODY-SOURCE CONTACT USING ADDITIONAL DRAIN-SIDE SPACER, AND METHOD	6373103	2002-04-16	09/541124	2000-03-31	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING IC PACKAGE DELAMINATION BY USE OF INTERNAL BARFLES	6373126	2002-04-16	09/560253	2000-04-26	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED FUSE LATCH AND SHIFT REGISTER FOR EFFICIENT PROGRAMMING AND FUSE READOUT	6373771	2002-04-16	09/765035	2001-01-17	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR PROVIDING LIST AND READ LIST CAPABILITY FOR A HOST COMPUTER SYSTEM	6374399	2002-04-16	09/295977	1999-04-21	GLOBALFOUNDRIES Inc.	Granted
ACOUSTIC MICROSCOPY DIE CRACK INSPECTION FOR PLASTIC ENCAPSULATED INTEGRATED CIRCUITS	6374675	2002-04-23	09/531426	2000-03-20	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR VARYING NITRIDE STRIP MAKEUP PROCESS BASED ON FIELD OXIDE LOSS AND DEFECT COUNT	6376261	2002-04-23	09/476893	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
NON-CONTACT AUTOMATIC HEIGHT SENSING USING AIR PRESSURE FOR DIE BONDING	6376265	2002-04-23	09/543347	2000-04-05	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH NON-FLOATING BODY AND METHOD FOR FORMING SAME ON A BULK SILICON WAFER	6376286	2002-04-23	09/421305	1999-10-20	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING FIELD EFFECT TRANSISTOR WITH SILICIDES OF DIFFERENT THICKNESS AND OF DIFFERENT MATERIALS FOR THE SOURCE/DRAIN AND THE GATE	6376320	2002-04-23	09/712995	2000-11-15	GLOBALFOUNDRIES Inc.	Granted
REDUCTION OF METAL SILICIDE/SILICON INTERFACE ROUGHNESS BY DOPANT IMPLANTATION PROCESSING	6376343	2002-04-23	09/812695	2001-03-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING LOW RESISTANCE GATE ELECTRODE	6376350	2002-04-23	09/792766	2001-02-23	GLOBALFOUNDRIES Inc.	Granted
HIGH-SPEED LATERAL BIPOLAR DEVICE IN SOI PROCESS	6376880	2002-04-23	09/406451	1999-09-27	GLOBALFOUNDRIES Inc.	Granted
MULTIMEDIA SEARCH AND INDEXING FOR AUTOMATIC SELECTION OF SCENES AND/OR SOUNDS RECORDED IN A MEDIA FOR REPLAY	6377519	2002-04-23	09/693926	2000-10-23	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD OF IMPLEMENTING A UNIVERSAL HOME NETWORK ON A CUSTOMER PREMISES UPN TELEPHONE LINES	6377665	2002-04-23	09/568181	2000-05-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MONITORING MATERIAL REMOVAL TOOL PERFORMANCE USING ENDPOINT TIME REMOVAL RATE DETERMINATION	6379980	2002-04-30	09/625587	2000-07-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING A TRANSISTOR WITH LOCAL INSULATOR STRUCTURE	6380019	2002-04-30	09/187498	1998-11-06	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR WITH ELECTRICALLY INDUCED SOURCE/DRAIN EXTENSIONS	6380038	2002-04-30	09/703512	2000-10-30	GLOBALFOUNDRIES Inc.	Granted
PREVENTION OF DOPANT OUT-DIFFUSION DURING SILICIDATION AND JUNCTION FORMATION	6380040	2002-04-30	09/629883	2000-08-01	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR WITH LATERALLY NON-UNIFORM CHANNEL DOPING PROFILE AND MANUFACTURING METHOD THEREFOR	6380041	2002-04-30	09/686476	2000-10-10	GLOBALFOUNDRIES Inc.	Granted
LOW TEMPERATURE PROCESS TO FORM ELEVATED DRAIN AND SOURCE OF A FIELD EFFECT TRANSISTOR HAVING HIGH K-GATE DIELECTRIC	6380043	2002-04-30	09/781357	2001-02-12	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION FORMATION WITH TWO SOURCE/DRAIN MASKS AND SIMPLIFIED PLANARIZATION MASK	6380047	2002-04-30	09/634990	2000-08-08	GLOBALFOUNDRIES Inc.	Granted
DOPANT DIFFUSION-RETARDING BARRIER REGION FORMED WITHIN POLYSILICON GATE LAYER	6380055	2002-04-30	09/177043	1998-10-22	GLOBALFOUNDRIES Inc.	Granted
ENHANCEMENT OF NICKEL SILICIDE FORMATION BY USE OF NICKEL PREFORMERHIZING IMPLANT	6380057	2002-04-30	09/781225	2001-02-13	GLOBALFOUNDRIES Inc.	Granted

GATE OVERVOLTAGE CONTROL NETWORKS	6380570	2002-04-30	09/556211	2000-04-21	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR (SOI) TUNNELING JUNCTION TRANSISTOR SRAM CELL	6380589	2002-04-30	09/774138	2001-01-30	GLOBALFOUNDRIES Inc.	Granted
SOI CHIP HAVING MULTIPLE THRESHOLD VOLTAGE MOSFETS BY USING MULTIPLE CHANNEL MATERIALS AND METHOD OF FABRICATING SAME	6380590	2002-04-30	09/792139	2001-02-22	GLOBALFOUNDRIES Inc.	Granted
LINE-ORIENTED REORDER BUFFER CONFIGURED TO SELECTIVELY STORE A MEMORY OPERATION RESULT IN ONE OF THE PLURALITY OF REORDER BUFFER STORAGE LOCATIONS CORRESPONDING TO THE EXECUTED INSTRUCTION	6381689	2002-04-30	09/804768	2001-03-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR PACKAGE ORIENTATION CHECKING FOR LASER MARK OPERATIONS	6382395	2002-05-07	09/632499	2000-08-03	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGY FOR TESTING AND QUALIFYING AN INTEGRATED CIRCUIT BY MEASURING AN OPERATING FREQUENCY AS A FUNCTION OF ADJUSTED TIMING EDGES	6383822	2002-05-07	09/539099	2000-03-30	GLOBALFOUNDRIES Inc.	Granted
METHOD OF USING SCATTEROMETRY MEASUREMENTS TO CONTROL DEPOSITION PROCESSES	6383824	2002-05-07	09/843111	2001-04-25	GLOBALFOUNDRIES Inc.	Granted
USING REMOVABLE SPACERS TO ENSURE ADEQUATE BONDLINE THICKNESS	6383843	2002-05-07	09/551625	2000-04-17	GLOBALFOUNDRIES Inc.	Granted
NE3/N2-PLASMA TREATMENT FOR REDUCED NICKEL SILICIDE BRIDGING	6383880	2002-05-07	09/679374	2000-10-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SELECTING WAFER ALIGNMENT MARKS BASED ON FILM THICKNESS VARIATION	6383888	2002-05-07	09/837712	2001-04-18	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING JUNCTION-LEAKAGE FREE METAL SILICIDE IN A SEMICONDUCTOR WAFER WITH ULTRA-LOW SILICON CONSUMPTION	6383906	2002-05-07	09/641436	2000-08-18	GLOBALFOUNDRIES Inc.	Granted
ANTI-REFLECTIVE COATING USED IN THE FABRICATION OF MICROCIRCUIT STRUCTURES IN 0.18 MICRON AND SMALLER TECHNOLOGIES	6383947	2002-05-07	09/703513	2000-10-31	GLOBALFOUNDRIES Inc.	Granted
INSULATING AND CAPPING STRUCTURE WITH PRESERVATION OF THE LOW DIELECTRIC CONSTANT OF THE INSULATING LAYER	6383950	2002-05-07	09/974568	2001-10-10	GLOBALFOUNDRIES Inc.	Granted
THERMOELECTRIC COOLERS WITH ENHANCED STRUCTURED INTERFACES	6384312	2002-05-07	09/731997	2000-12-07	GLOBALFOUNDRIES Inc.	Granted
TOP IR/RARED HEATING FOR BONDING OPERATIONS	6384366	2002-05-07	09/592275	2000-06-12	GLOBALFOUNDRIES Inc.	Granted
VOLTAGE LEVEL SHIFTER WITH HIGH IMPEDANCE TRI-STATE OUTPUT AND METHOD OF OPERATION	6384631	2002-05-07	09/844183	2001-04-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING VERTICAL FIELD EFFECT TRANSISTOR HAVING CHANNEL LENGTH DETERMINED BY THE THICKNESS OF A LAYER OF DUMMY MATERIAL	6387758	2002-05-14	09/817625	2001-03-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF SALICIDE FORMATION BY SILICIDING A GATE AREA PRIOR TO SILICIDING A SOURCE AND DRAIN AREA	6387786	2002-05-14	09/733778	2000-12-08	GLOBALFOUNDRIES Inc.	Granted
PASSIVATION OF SIDEWALL SPACERS USING OZONATED WATER	6387804	2002-05-14	09/664714	2000-09-19	GLOBALFOUNDRIES Inc.	Granted
FILLING AN INTERCONNECT OPENING WITH DIFFERENT TYPES OF ALLOYS TO ENHANCE INTERCONNECT RELIABILITY	6387806	2002-05-14	09/655700	2000-09-06	GLOBALFOUNDRIES Inc.	Granted
METHOD OF POROUS DIELECTRIC FORMATION WITH ANODIC TEMPLATE	6387818	2002-05-14	09/621156	2000-07-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING DEPOSITION PROCESS USING RESIDUAL GAS ANALYSIS	6387823	2002-05-14	09/577756	2000-05-23	GLOBALFOUNDRIES Inc.	Granted

ELECTRICALLY PROGRAMMABLE ANTIFUSES AND METHODS FOR FORMING THE SAME	6388305	2002-05-14	09/466495	1999-12-17	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR IDENTIFYING SOURCES OF PATTERNS IN PROCESSING EFFECTS IN MANUFACTURING	6389366	2002-05-14	09/276422	1999-03-25	GLOBALFOUNDRIES Inc.	Granted
MICROPROCESSOR CONFIGURED TO DETECT UPDATES TO INSTRUCTIONS OUTSTANDING WITHIN AN INSTRUCTION PROCESSING PIPELINE AND COMPUTER SYSTEM INCLUDING SAME	6389512	2002-05-14	09/474790	1999-12-29	GLOBALFOUNDRIES Inc.	Granted
MECHANISM TO PREVENT DATA LOSS IN CASE OF A POWER FAILURE WHILE A PC IS IN SUSPEND TO RAM STATE	6389556	2002-05-14	09/234528	1999-01-21	GLOBALFOUNDRIES Inc.	Granted
RESIST COMPOSITIONS CONTAINING BULKY ANHYDRIDE ADDITIVES	6391521	2002-05-21	09/639784	2000-08-16	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FABRICATING SINGLE CRYSTAL RESONANT DEVICES THAT ARE COMPATIBLE WITH INTEGRATED CIRCUIT PROCESSING	6391674	2002-05-21	09/752571	2000-12-28	GLOBALFOUNDRIES Inc.	Granted
LAYERED ORGANIC-INORGANIC PEROVSKITES HAVING METAL-DEFICIENT INORGANIC FRAMEWORKS	6429318	2002-08-06	09/499621	2000-02-07	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR FORMING THE SAME OF A PRINTED WIRING BOARD HAVING BUILT-IN INSPECTION AIDS	6429390	2002-08-06	09/804535	2001-03-12	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE ACTIVE LAYER STRUCTURE AND A METHOD OF MAKING SUCH A STRUCTURE	6429484	2002-08-06	09/633208	2000-08-07	GLOBALFOUNDRIES Inc.	Granted
WIRING STRUCTURES CONTAINING INTERCONNECTED METAL AND WIRING LEVELS INCLUDING A CONTINUOUS, SINGLE CRYSTALLINE OR POLYCRYSTALLINE CONDUCTIVE MATERIAL HAVING ONE OR MORE TWIN BOUNDARIES	6429519	2002-08-06	09/277699	1999-03-26	GLOBALFOUNDRIES Inc.	Granted
MICROPROCESSOR HAVING AIR AS A DIELECTRIC AND ENCAPSULATED LINES	6429522	2002-08-06	09/742976	2000-12-20	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED CAM TEST STRUCTURE FOR FULLY TESTING ALL MATCHLINES	6430072	2002-08-06	09/682638	2001-10-01	GLOBALFOUNDRIES Inc.	Granted
DRAM CAM CELL WITH HIDDEN RERESEH	6430073	2002-08-06	09/730673	2000-12-06	GLOBALFOUNDRIES Inc.	Granted
NETWORK TRANSCIEVER HAVING CIRCUITRY FOR REFERENCING TRANSMIT DATA TO A SELECTED INPUT CLOCK	6430695	2002-08-06	09/289951	1999-04-13	GLOBALFOUNDRIES Inc.	Granted
PLASMA TREATMENT FOR POLYMER REMOVAL AFTER VIA ETCH	6431182	2002-08-13	09/427861	1999-10-27	GLOBALFOUNDRIES Inc.	Granted
TREATMENT SOLUTION FOR REDUCING ADHESIVE RESIN BLEED	6432182	2002-08-13	09/588459	2000-06-06	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR HAVING DOPED GATE WITH PREVENTION OF CONTAMINATION FROM THE GATE DURING IMPLANTATION	6432763	2002-08-13	09/809133	2001-03-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF IMPROVING ELECTROMIGRATION RESISTANCE OF CAPPED CU	6432822	2002-08-13	09/846611	2001-05-02	GLOBALFOUNDRIES Inc.	Granted
COPPER CONDUCTIVE LINE WITH REDUNDANT LINER AND METHOD OF MAKING	6433429	2002-08-13	09/388132	1999-09-01	GLOBALFOUNDRIES Inc.	Granted
DUAL-RIE STRUCTURE FOR VIA/LINE INTERCONNECTIONS	6433436	2002-08-13	09/320612	1999-05-26	GLOBALFOUNDRIES Inc.	Granted
DOUBLE-GATE LOW POWER SOI ACTIVE CLAMP NETWORK FOR SINGLE POWER SUPPLY AND MULTIPLE POWER SUPPLY APPLICATIONS	6433609	2002-08-13	09/683105	2001-11-19	GLOBALFOUNDRIES Inc.	Granted
ESD NETWORK WITH CAPACITOR BLOCKING ELEMENT	6433985	2002-08-13	09/476244	1999-12-30	GLOBALFOUNDRIES Inc.	Granted
REFRESH CONTROL CIRCUIT FOR LOW-POWER SRAM APPLICATIONS	6434076	2002-08-13	09/766799	2001-01-22	GLOBALFOUNDRIES Inc.	Granted

CLOCKED MEMORY DEVICE THAT INCLUDES A PROGRAMMING MECHANISM FOR SETTING WRITE RECOVERY TIME AS A FUNCTION OF THE INPUT CLOCK	6434082	2002-08-13	09/805420	2001-03-13	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR IMPROVING THE EFFICIENCY OF CLOCK GATING WITHIN LOW POWER CLOCK TREES	6434704	2002-08-13	09/575118	1999-08-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR CREATING HIGH DENSITY BURIED CONTACT FOR USE WITH SOI PROCESSES FOR HIGH PERFORMANCE LOGIC	6436744	2002-08-20	09/809888	2001-03-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A TIN LAYER ON TOP OF A METAL SILICIDE LAYER IN A SEMICONDUCTOR STRUCTURE AND STRUCTURE FORMED	6436823	2002-08-20	09/679738	2000-10-05	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR TRANSISTOR WITH RECESSED SOURCE AND DRAIN	6437404	2002-08-20	09/636239	2000-08-10	GLOBALFOUNDRIES Inc.	Granted
THIN FILM METAL BARRIER FOR ELECTRICAL INTERCONNECTIONS	6437440	2002-08-20	09/759258	2001-01-16	GLOBALFOUNDRIES Inc.	Granted
STABILIZED DIRECT SENSING MEMORY ARCHITECTURE	6438051	2002-08-20	09/870559	2001-05-31	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC WEIGHTED ROUND ROBIN QUBING	6438135	2002-08-20	09/422591	1999-10-21	GLOBALFOUNDRIES Inc.	Granted
THIN RESIST WITH TRANSITION METAL HARD MASK FOR VIA ETCH APPLICATION	6440640	2002-08-27	09/703092	2000-10-31	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PRODUCING METAL-SEMICONDUCTOR COMPOUND REGIONS ON SEMICONDUCTOR DEVICES	6440806	2002-08-27	09/845859	2001-04-30	GLOBALFOUNDRIES Inc.	Granted
SURFACE ENGINEERING TO PREVENT EPI GROWTH ON GATE POLY DURING SELECTIVE EPI PROCESSING	6440807	2002-08-27	09/882095	2001-06-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A POLY-POLY CAPACITOR WITH A SIGE BICMOS INTEGRATION SCHEME	6440811	2002-08-27	09/745361	2000-12-21	GLOBALFOUNDRIES Inc.	Granted
NISI CONTACTING EXTENSIONS OF ACTIVE REGIONS	6440826	2002-08-27	09/785176	2001-02-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR A SEMICONDUCTOR FUSE	6440834	2002-08-27	09/827871	2001-04-06	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR BODY-SOURCE CONTACT AND METHOD	6441434	2002-08-27	09/541126	2000-03-31	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED SIGE NPN WITH IMPROVED ESD ROBUSTNESS USING WIDE EMITTER POLYSILICON EXTENSION	6441462	2002-08-27	09/682016	2001-07-10	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR CONSERVING POWER IN A CONTENT ADDRESSABLE MEMORY BY PROVIDING AN INDEPENDENT SEARCH LINE VOLTAGE	6442055	2002-08-27	10/016025	2001-12-12	GLOBALFOUNDRIES Inc.	Granted
CASCADE BARREL READ	6442093	2002-08-27	09/696054	2000-10-25	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR SUPERORDINATING LOAD OPERANDS IN A MICROPROCESSOR	6442677	2002-08-27	09/329497	1999-06-10	GLOBALFOUNDRIES Inc.	Granted
ALTERNATE FAULT HANDLER	6442707	2002-08-27	09/430120	1999-10-29	GLOBALFOUNDRIES Inc.	Granted
MODIFICATION OF MASK LAYOUT DATA TO IMPROVE MASK FIDELITY	6444373	2002-09-03	09/596954	2000-06-16	GLOBALFOUNDRIES Inc.	Granted
ELECTRON BEAM FLOOD EXPOSURE TECHNIQUE TO REDUCE THE CARBON CONTAMINATION	6444381	2002-09-03	09/729295	2000-12-04	GLOBALFOUNDRIES Inc.	Granted
HIGH SILICON CONTENT MONOMERS AND POLYMERS SUITABLE FOR 193 NM BILAYER RESISTS	6444408	2002-09-03	09/514212	2000-02-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING A PLATING PROCESS	6444481	2002-09-03	09/897626	2001-07-02	GLOBALFOUNDRIES Inc.	Granted
METAL GATE STACK WITH ETCH STOP LAYER HAVING IMPLANTED METAL SPECIES	6444513	2002-09-03	09/810348	2001-03-19	GLOBALFOUNDRIES Inc.	Granted
SOI SEMICONDUCTOR DEVICE OPENING IMPLANTATION GETTERING METHOD	6444534	2002-09-03	09/772649	2001-01-30	GLOBALFOUNDRIES Inc.	Granted
LASER TAILORING RETROGRADE CHANNEL PROFILE IN SURFACES	6444550	2002-09-03	09/640177	2000-08-17	GLOBALFOUNDRIES Inc.	Granted

METHOD FOR ESTABLISHING ULTRA-THIN GATE INSULATOR USING ANNEAL IN AMMONIA	6444555	2002-09-03	09/479506	2000-01-07	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR ALLOYING DAMASCENE-TYPE CU INTERCONNECT LINES	6444567	2002-09-03	09/477822	2000-01-05	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED SILICIDE PROCESS FOR REDUCTION OF SILICON CONSUMPTION IN SHALLOW JUNCTION AND THIN SOI ELECTRONIC DEVICES	6444578	2002-09-03	09/791024	2001-02-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING CARBON, SULPHUR, AND OXYGEN IMPURITIES IN A CALCIUM-DOPED COPPER SURFACE AND SEMICONDUCTOR DEVICE THEREBY FORMED	6444580	2002-09-03	09/728312	2000-11-30	GLOBALFOUNDRIES Inc.	Granted
INTERFACIAL OXIDATION PROCESS FOR HIGH-K GATE DIELECTRIC PROCESS INTEGRATION	6444592	2002-09-03	09/597765	2000-06-20	GLOBALFOUNDRIES Inc.	Granted
SURFACE TREATMENT OF LOW-K SI ₃ N ₄ TO PREVENT METAL INTERACTION	6444593	2002-09-03	09/373483	1999-08-12	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR (SOI) TRANSISTOR HAVING PARTIAL HETERO SOURCE/DRAIN JUNCTIONS FABRICATED WITH HIGH ENERGY GERMANIUM IMPLANTATION	6445016	2002-09-03	09/795159	2001-02-28	GLOBALFOUNDRIES Inc.	Granted
DELIBERATE VOID IN INNERLAYER DIELECTRIC GAPFILL TO REDUCE DIELECTRIC CONSTANT	6445072	2002-09-03	09/617158	2000-07-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FINDING A MATCH ENTRY USING RECEIVE PORT NUMBER EMBEDDED IN THE PORT VECTOR	6445709	2002-09-03	09/311367	1999-05-13	GLOBALFOUNDRIES Inc.	Granted
COMPUTER SYSTEM INCLUDING A NOVEL ADDRESS TRANSLATION MECHANISM	6446189	2002-09-03	09/523321	1999-06-01	GLOBALFOUNDRIES Inc.	Granted
DUAL DAMASCENE PROCESSING FOR SEMICONDUCTOR CHIP INTERCONNECTS	6448176	9/10/2002	09/699900	2000-10-30	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF A FIELD EFFECT TRANSISTOR WITH MINIMIZED PARASITIC MILLER CAPACITANCE	6448613	2002-09-10	09/846958	2001-05-01	GLOBALFOUNDRIES Inc.	Granted
ULTRA THIN ETCH STOP LAYER FOR DAMASCENE PROCESS	6448654	2002-09-10	09/770468	2001-01-29	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT PACKAGE INCORPORATING CAMOUFLAGED PROGRAMMABLE ELEMENTS	6449170	2002-09-10	09/651893	2000-08-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR USING EQUIPMENT STATE DATA FOR RUN-TO-RUN CONTROL OF MANUFACTURING TOOLS	6449524	2002-09-10	09/477465	2000-01-04	GLOBALFOUNDRIES Inc.	Granted
COMPOSITE LAMINATE CIRCUIT STRUCTURE AND METHOD OF FORMING THE SAME	6451509	2002-09-17	09/753015	2001-01-02	GLOBALFOUNDRIES Inc.	Granted
USING SCATTEROMETRY TO MEASURE RESIST THICKNESS AND CONTROL IMPLANT	6451621	2002-09-17	10/050732	2002-01-16	GLOBALFOUNDRIES Inc.	Granted
NON-REDUCING PROCESS FOR DEPOSITION OF POLYSILICON GATE ELECTRODE OVER HIGH-K GATE DIELECTRIC MATERIAL	6451641	2002-09-17	10/085348	2002-02-27	GLOBALFOUNDRIES Inc.	Granted
DOUBLE SILICIDE FORMATION IN POLYSILICON GATE WITHOUT SILICIDE IN SOURCE/DRAIN EXTENSIONS	6451693	2002-09-17	09/679370	2000-10-05	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A POROUS DIELECTRIC MATERIAL LAYER IN A SEMICONDUCTOR DEVICE AND DEVICE FORMED	6451712	2002-09-17	09/739935	2000-12-18	GLOBALFOUNDRIES Inc.	Granted
USE OF BLIND VIAS FOR SOLDERED INTERCONNECTIONS BETWEEN SUBSTRATES AND PRINTED WIRING BOARDS	6452116	2002-09-17	09/796389	2001-02-28	GLOBALFOUNDRIES Inc.	Granted
HOW TO IMPROVE THE ESD ON SOI DEVICES	6452234	2002-09-17	09/722222	2000-11-27	GLOBALFOUNDRIES Inc.	Granted
INCREASED DAMPING OF MAGNETIZATION IN MAGNETIC MATERIALS	6452240	2002-09-17	09/699651	2000-10-30	GLOBALFOUNDRIES Inc.	Granted
STACKED INTEGRATED CIRCUIT AND CAPACITOR STRUCTURE CONTAINING VIA STRUCTURES	6452250	2002-09-17	09/488289	2000-01-20	GLOBALFOUNDRIES Inc.	Granted

MULTIMEDIA SEARCH AND INDEXING FOR AUTOMATIC SELECTION OF SCENES AND/OR SOUNDS RECORDED IN A MEDIA FOR REPLAY BY SETTING AUDIO CLIP LEVELS FOR FREQUENCY RANGES OF INTEREST IN THE MEDIA	6452875	2002-09-17	09/693815	2000-10-23	GLOBALFOUNDRIES Inc.	Granted
FLXIBLE IMPLEMENTATION OF A SYSTEM MANAGEMENT MODE (SMM) IN A PROCESSOR	6453278	2002-09-17	09/620981	2000-07-21	GLOBALFOUNDRIES Inc.	Granted
FULLY ASSOCIATIVE TRANSLATION LOOKASIDE BUFFER (TLB) INCLUDING A LEAST RECENTLY USED (LRU) STACK AND IMPLEMENTING AN LRU REPLACEMENT STRATEGY	6453387	2002-09-17	09/415132	1999-10-08	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR FILLING TRENCHES	6454899	2002-09-24	09/885455	2001-06-19	GLOBALFOUNDRIES Inc.	Granted
CARBON NANOTUBE PROBES IN ATOMIC FORCE MICROSCOPE TO DETECT PARTIALLY OPEN/CLOSED CONTACTS	6455847	2002-09-24	09/558198	2000-04-26	GLOBALFOUNDRIES Inc.	Granted
INTERNALLY BALLASTED SILICON GERMANIUM TRANSISTOR	6455919	2002-09-24	09/811979	2001-03-19	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR TRANSPARENT HANDLING OF EXTENDED REGISTER STATES	6456891	2002-09-24	09/428614	1999-10-27	GLOBALFOUNDRIES Inc.	Granted
PACKET PROTOCOL FOR READING AN INDETERMINATE NUMBER OF DATA BYTES ACROSS A COMPUTER INTERCONNECTION BUS	6457081	2002-09-24	09/330636	1999-06-11	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR CONFIGURED TO PREDECODE RELATIVE CONTROL TRANSFER INSTRUCTIONS AND REPLACE DISPLACEMENTS THEREIN WITH A TARGET ADDRESS	6457117	2002-09-24	09/708216	2000-11-07	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR MANUFACTURING SELF-ALIGNED CORROSION STOP FOR COPPER CAND WIREBOND	6457234	2002-10-01	09/311973	1999-05-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR OPTICAL FILM STACK FAULT DETECTION	6458610	2002-10-01	09/871015	2001-05-31	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A SEMICONDUCTOR DEVICE HAVING AN ASYMMETRICAL DUAL-GATE SILICON-GERMANIUM (SIGEB) CHANNEL MOSFET AND A DEVICE THEREBY FORMED	6458662	2002-10-01	09/826551	2001-04-04	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING SILICIDE STOP LAYER IN A DAMASCENE SEMICONDUCTOR STRUCTURE	6458679	2002-10-01	09/780454	2001-02-12	GLOBALFOUNDRIES Inc.	Granted
INVERSE INTEGRATED CIRCUIT FABRICATION PROCESS	6458686	2002-10-01	09/845980	2001-04-30	GLOBALFOUNDRIES Inc.	Granted
MEASUREMENT METHOD OF ZERNIKE COMA ABERRATION CORRECTION	6459480	2002-10-01	09/662016	2000-09-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DATA STACKIFICATION FOR RUN-TO-RUN CONTROL	6460002	2002-10-01	09/501494	2000-02-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PORT VECTOR DETERMINATION AT EGRESS	6460088	2002-10-01	09/316073	1999-05-21	GLOBALFOUNDRIES Inc.	Granted
DETECTING FULL CONDITIONS IN A QUEUE	6460130	2002-10-01	09/281079	1999-03-30	GLOBALFOUNDRIES Inc.	Granted
MASSIVELY PARALLEL INSTRUCTION PREDCODING	6460132	2002-10-01	09/387024	1999-08-31	GLOBALFOUNDRIES Inc.	Granted
METHOD SYSTEM AND PROGRAM PRODUCTS FOR ERROR CORRECTION CODE CONVERSION	6460157	2002-10-01	09/450548	1999-11-30	GLOBALFOUNDRIES Inc.	Granted
DECOUPLING CAPACITOR METHOD AND STRUCTURE USING METAL BASED CARRIER	6461493	2002-10-08	09/472136	1999-12-23	GLOBALFOUNDRIES Inc.	Granted
FEEDBACK CONTROL OF STRIP TIME TO REDUCE POST STRIP CRITICAL DIMENSION VARIATION IN A TRANSISTOR GATE ELECTRODE	6461878	2002-10-08	09/614666	2000-07-12	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MEASURING EFFECTS OF PACKAGING STRESSES OF COMMON IC ELECTRICAL PERFORMANCE PARAMETERS AT WAFER SORT	6461879	2002-10-08	09/757118	2001-01-09	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR (SOI) ELECTROSTATIC DISCHARGE (ESD) PROTECTION DEVICE WITH BACKSIDE CONTACT OPENING	6462381	2002-10-08	09/792146	2001-02-22	GLOBALFOUNDRIES Inc.	Granted

HIGH PERFORMANCE DELTA SIGMA ADC USING A FEEDBACK NRZ SIN DAC	6462867	2002-10-08	09/824566	2001-04-03	GLOBALFOUNDRIES Inc.	Granted
NETWORK SWITCHING SYSTEM HAVING OVERFLOW BYPASS IN INTERNAL RULES CHECKER	6463032	2002-10-08	09/238047	1999-01-27	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC DIELECT RESIZING TOOL	6463171	2002-10-08	09/245174	1999-06-30	GLOBALFOUNDRIES Inc.	Granted
POWER MANAGEMENT INDICATION MECHANISM FOR SUPPORTING POWER SAVING MODE IN COMPUTER SYSTEM	6463542	2002-10-08	09/321834	1999-05-28	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR VERIFYING PROCESS INTEGRITY	6463570	2002-10-08	09/625620	2000-07-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETECTING DISHING IN A POLISHED LAYER	6464563	2002-10-15	09/860226	2001-05-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR PRODUCING Z-AXIS INTERCONNECTION ASSEMBLY OF PRINTED WIRING BOARD ELEMENTS	6465084	2002-10-15	09/834281	2001-04-12	GLOBALFOUNDRIES Inc.	Granted
ENHANCED ELECTROLESS DEPOSITION OF DIELECTRIC PRECURSOR MATERIALS FOR USE IN IN-LAID GATE MOS TRANSISTORS	6465334	2002-10-15	09/679369	2000-10-05	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PREVENTING DAMAGE OF LOW-K DIELECTRICS DURING PATTERNING	6465361	2002-10-15	09/785444	2001-02-20	GLOBALFOUNDRIES Inc.	Granted
SILICON WAFER INCLUDING BOTH BULK AND SOI REGIONS AND METHOD FOR FORMING SAME ON A BULK SILICON WAFER	6465832	2002-10-15	09/633960	2000-08-08	GLOBALFOUNDRIES Inc.	Granted
ESD ROBUST SILICON GERMANIUM TRANSISTOR WITH EMITTER NP-BLOCK MASK EXTRINSIC BASE BALLASTING RESISTOR WITH DOPED FACET REGION	6465870	2002-10-15	09/769667	2001-01-25	GLOBALFOUNDRIES Inc.	Granted
SILICON CARBIDE BARC IN DUAL DAMASCENE PROCESSING	6465889	2002-10-15	09/773109	2001-02-07	GLOBALFOUNDRIES Inc.	Granted
LINEAR VOLTAGE CONTROLLED OSCILLATOR TRANSDUCTOR WITH GAIN COMPENSATION	6466100	2002-10-15	09/757107	2001-01-08	GLOBALFOUNDRIES Inc.	Granted
SERVO GUIDED STAGE SYSTEM WITH YAW SENSOR	6466324	2002-10-15	09/608535	2000-06-30	GLOBALFOUNDRIES Inc.	Granted
CAPTURED SYNCHRONOUS DRAM FAILS IN A WORKING ENVIRONMENT	6467053	2002-10-15	09/340804	1999-06-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MULTIPHASE CHEMICAL MECHANICAL POLISHING	6468135	2002-10-22	09/302639	1999-04-30	GLOBALFOUNDRIES Inc.	Granted
COMPOSITION FOR INCREASING ACTIVITY OF A NO-CLEAN FLUX	6468363	2002-10-22	09/773488	2001-02-02	GLOBALFOUNDRIES Inc.	Granted
ACTIVE WELL SCHEMES FOR SOI TECHNOLOGY	6469350	2002-10-22	09/682868	2001-10-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING MEASUREMENT FREQUENCY BASED ON HARDWARE AGE AND USAGE	6469518	2002-10-22	09/479180	2000-01-07	GLOBALFOUNDRIES Inc.	Granted
FUSE LATCH ARRAY SYSTEM FOR AN EMBEDDED DRAM HAVING A MICRO-CELL ARCHITECTURE	6469949	2002-10-22	09/854049	2001-05-11	GLOBALFOUNDRIES Inc.	Granted
SUBSTITUTION OF NON-MINIMUM GROUND RULE CELLS FOR NON-CRITICAL MINIMUM GROUND RULE CELLS TO INCREASE YIELD	6470476	2002-10-22	09/810763	2001-03-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR COUNTING EVENTS WITHIN A SIMULATION MODEL	6470478	2002-10-22	09/345163	1999-06-29	GLOBALFOUNDRIES Inc.	Granted
RE-SETTABLE TRISTATE PROGRAMMABLE DEVICE	6472230	2002-10-29	09/102381	2002-03-20	GLOBALFOUNDRIES Inc.	Granted
DIELECTRIC LAYER WITH TREATED TOP SURFACE FORMING AN ETCH STOP LAYER AND METHOD OF MAKING THE SAME	6472231	2002-10-29	09/770469	2001-01-29	GLOBALFOUNDRIES Inc.	Granted
SELF-SUPPORTING AIR BRIDGE INTERCONNECT STRUCTURE FOR INTEGRATED CIRCUITS	6472740	2002-10-29	09/867902	2001-05-30	GLOBALFOUNDRIES Inc.	Granted
H2 DIFFUSION BARRIER FORMATION BY NITROGEN INCORPORATION IN OXIDE LAYER	6472751	2002-10-29	09/656437	2000-09-06	GLOBALFOUNDRIES Inc.	Granted

SEMICONDUCTOR DEVICE COMPRISING COPPER INTERCONNECTS WITH REDUCED IN-LINE COPPER DIFFUSION	6472755	2002-10-29	09/688928	2000-10-17	GLOBALFOUNDRIES Inc.	Granted
DEVICE FOR POWER SUPPLY DETECTION AND POWER ON RESET	6472912	2002-10-29	09/755216	2001-01-04	GLOBALFOUNDRIES Inc.	Granted
RESIST REMOVAL MONITORING BY RAMAN SPECTROSCOPY	6473174	2002-10-29	09/653435	2000-09-01	GLOBALFOUNDRIES Inc.	Granted
LOAD/STORE UNIT HAVING PRE-CACHE AND POST-CACHE QUEUES FOR LOW LATENCY LOAD MEMORY OPERATIONS	6473832	2002-10-29	09/314035	1999-05-18	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING LOCKS IN A DISTRIBUTED PROCESSING SYSTEM	6473849	2002-10-29	09/398955	1999-09-17	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR SCREENING FEATURES ON AN ELECTRONIC SUBSTRATE WITH A LOW VISCOSITY PASTE	6475555	2002-11-05	09/429256	1999-10-29	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING DECOUPLING CAPACITORS	6475838	2002-11-05	09/525103	2000-03-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A DOUBLE GATE TRANSISTOR HAVING AN EPITAXIAL SILICON/GERMANIUM CHANNEL REGION	6475869	2002-11-05	09/793055	2001-02-26	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE NISI METAL GATE HIGH-K TRANSISTOR	6475874	2002-11-05	09/731031	2000-12-07	GLOBALFOUNDRIES Inc.	Granted
SOURCE/RAIN FORMATION WITH SUB-MORPHIZING IMPLANTATION	6475885	2002-11-05	09/896490	2001-06-29	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF A FIELD EFFECT TRANSISTOR WITH AN UPSIDE DOWN T-SHAPED SEMICONDUCTOR PILLAR IN SOI TECHNOLOGY	6475890	2002-11-05	09/789939	2001-02-12	GLOBALFOUNDRIES Inc.	Granted
SIMPLIFIED METHOD OF PATTERNING POLY-SILICON GATE IN A SEMICONDUCTOR DEVICE	6475892	2002-11-05	09/365407	1999-08-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING A SEMICONDUCTOR STRUCTURE WITH TREATMENT TO SACRIFICIAL STOP LAYER PRODUCING DIFFUSION TO AN ADJACENT LOW-K DIELECTRIC LAYER LOWERING THE CONSTANT	6475929	2002-11-05	09/774708	2001-02-01	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURES FOR DUAL DEPTH OXYGEN LAYERS IN SILICON-ON-INSULATOR PROCESSES	6476445	2002-11-05	09/303277	1999-04-30	GLOBALFOUNDRIES Inc.	Granted
HEAT REMOVAL BY REMOVAL OF BURIED OXIDE IN ISOLATION AREAS	6476446	2002-11-05	09/477067	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR COOLING A SILICON ON INSULATOR DEVICE	6476483	2002-11-05	09/421910	1999-10-20	GLOBALFOUNDRIES Inc.	Granted
ELIMINATION OF FLUX DIVERGENCE IN INTEGRATED CIRCUIT INTERCONNECTS	6476498	2002-11-05	09/905435	2001-07-13	GLOBALFOUNDRIES Inc.	Granted
HIERARCHICAL ROW ACTIVATION METHOD FOR BANKING CONTROL IN MULTIBANK DRAM	6477630	2002-11-05	09/257146	1999-02-24	GLOBALFOUNDRIES Inc.	Granted
METHODS AND ARRANGEMENTS FOR AUTOMATIC SYNTHESIS OF SYSTEMS-ON-CHIP	6477691	2002-11-05	09/542025	2000-04-03	GLOBALFOUNDRIES Inc.	Granted
BOND PAD STRUCTURE AND METHOD FOR REDUCED DOWNWARD FORCE WIREBONDING	6478212	2002-11-12	09/760955	2001-01-16	GLOBALFOUNDRIES Inc.	Granted
MULTI-WAFER POLISHING TOOL	6478665	2002-11-12	09/777539	2001-02-06	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC CHARGE REDUCTION OF PHOTORESIST PATTERN ON DEVELOPMENT TRACK	6479820	2002-11-12	09/557720	2000-04-25	GLOBALFOUNDRIES Inc.	Granted
SOI DEVICE WITH SELF-ALIGNED SELECTIVE DAMAGE IMPLANT, AND METHOD	6479866	2002-11-12	09/712320	2000-11-14	GLOBALFOUNDRIES Inc.	Granted
LOW DEFECT ORGANIC BARC COATING IN A SEMICONDUCTOR STRUCTURE	6479879	2002-11-12	09/753809	2001-01-03	GLOBALFOUNDRIES Inc.	Granted
DIELECTRIC TREATMENT IN INTEGRATED CIRCUIT INTERCONNECTS	6479898	2002-11-12	09/760421	2001-01-11	GLOBALFOUNDRIES Inc.	Granted
INDUCTOR AND TRANSFORMER FORMED WITH MULTI-LAYER COIL TURNS FABRICATED ON AN INTEGRATED CIRCUIT SUBSTRATE	6480086	2002-11-12	09/468014	1999-12-20	GLOBALFOUNDRIES Inc.	Granted

TIMING-DRIVEN GLOBAL PLACEMENT BASED ON GEOMETRY-AWARE TIMING BUDGETS	6480991	2002-11-12	09/832623	2001-04-11	GLOBALFOUNDRIES Inc.	Granted
HYDROXYCARBORANE PHOTORESIST AND PROCESS FOR USING SAME IN BILAYER THIN FILM IMAGING LITHOGRAPHY	6482566	2002-11-19	09/507522	2000-02-18	GLOBALFOUNDRIES Inc.	Granted
EXPOSURE CORRECTION BASED ON REFLECTIVE INDEX FOR PHOTOLITHOGRAPHIC PROCESS CONTROL	6482573	2002-11-19	09/492216	2000-01-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ELECTROCHEMICAL FORMATION OF HIGH TC SUPERCONDUCTING DAMASCENE INTERCONNECT FOR INTEGRATED CIRCUIT	6482656	2002-11-19	09/873667	2001-06-04	GLOBALFOUNDRIES Inc.	Granted
EFFECTIVE CHANNEL LENGTH CONTROL USING ION IMPLANT FEED FORWARD	6482660	2002-11-19	09/81099/	2001-03-19	GLOBALFOUNDRIES Inc.	Granted
THROUGH WAFER BACKSIDE CONTACT TO IMPROVE SOI HEAT DISSIPATION	6483147	2002-11-19	09/427135	1999-10-25	GLOBALFOUNDRIES Inc.	Granted
NITROGEN OXIDE PLASMA TREATMENT FOR REDUCED NICKEL SILICIDE BRIDGING	6483154	2002-11-19	09/679373	2000-10-05	GLOBALFOUNDRIES Inc.	Granted
EXTRUDED HEAT SPREADER	6483169	2002-11-19	09/892777	2001-06-28	GLOBALFOUNDRIES Inc.	Granted
HIERARCHICAL TEXTURE CACHE	6483516	2002-11-19	09/169347	1998-10-09	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR SHARING AN EXTERNAL MEMORY BETWEEN MULTIPLE NETWORK SWITCHES	6483844	2002-11-19	09/311361	1999-05-13	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR INSPECTING AN OBJECT	6483937	2002-11-19	09/335093	1999-06-17	GLOBALFOUNDRIES Inc.	Granted
FULLY PIPELINED PARALLEL MULTIPLIER WITH A FAST CLOCK CYCLE	6484193	2002-11-19	09/365160	1999-07-30	GLOBALFOUNDRIES Inc.	Granted
SECURITY PROFILE FOR WEB BROWSER	6484263	2002-11-19	09/239322	1999-01-28	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IDENTIFYING AND CORRECTING ERROR IN A CENTRAL PROCESSING UNIT	6484274	2002-11-19	09/430522	1999-10-29	GLOBALFOUNDRIES Inc.	Granted
METHOD TO STABILIZE A CARBON ALIGNMENT LAYER FOR LIQUID CRYSTAL DISPLAYS	6485614	2002-11-26	09/727572	2000-11-30	GLOBALFOUNDRIES Inc.	Granted
FEED-FORWARD CONTROL OF AN ETCH PROCESSING TOOL	6485990	2002-11-26	09/476875	2000-01-04	GLOBALFOUNDRIES Inc.	Granted
CONTROL OF BURIED OXIDE QUALITY IN LOW DOSE SIMOX COMPLIANT LAYER FOR ENCAPSULATED COLUMNS	6486037	2002-11-26	09/861593	2001-05-21	GLOBALFOUNDRIES Inc.	Granted
6486415	2002-11-26	09/761124	2001-01-16	GLOBALFOUNDRIES Inc.	Granted	
ACCURATE REAL-TIME LANDING ANGLE AND TELECENTRICITY MEASUREMENT IN LITHOGRAPHIC SYSTEMS	6486953	2002-11-26	09/609293	2000-06-30	GLOBALFOUNDRIES Inc.	Granted
USE OF SEARCH LINES AS GLOBAL BITLINES IN A CAM DESIGN METHOD AND APPARATUS FOR MEASURING CUMULATIVE DEFECTS	6487101	2002-11-26	09/968814	2001-10-02	GLOBALFOUNDRIES Inc.	Granted
6487511	2002-11-26	09/234992	1999-01-21	GLOBALFOUNDRIES Inc.	Granted	
CONTRACT METHODOLOGY FOR CONCURRENT HIERARCHICAL DESIGN	6487706	2002-11-26	09/651464	2000-08-30	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR OBSERVING OVERLAY ERRORS ON LITHOGRAPHIC MASKS	6489068	2002-12-03	09/790135	2001-02-21	GLOBALFOUNDRIES Inc.	Granted
CROSSTALK SUPPRESSION IN DIFFERENTIAL AC COUPLED MULTICHANNEL IC AMPLIFIERS	6489850	2002-12-03	09/810133	2001-03-16	GLOBALFOUNDRIES Inc.	Granted
BRAME ASSEMBLY IN DEQUEUEING BLOCK	6490280	2002-12-03	09/281975	1999-03-31	GLOBALFOUNDRIES Inc.	Granted
GENERAL PURPOSE BUS WITH PROGRAMMABLE TIMING	6490638	2002-12-03	09/379012	1999-08-23	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FULLY SELF-ALIGNED BEIT TECHNOLOGY	6492210	2002-12-10	09/810771	2001-03-16	GLOBALFOUNDRIES Inc.	Granted
HIGH-K GATE DIELECTRIC PROCESS WITH PROCESS WITH SELF ALIGNED DAMASCENE CONTACT TO DAMASCENE GATE AND A LOW-K INTER LEVEL DIELECTRIC	6492249	2002-12-10	09/304129	1999-05-03	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING STRESS-INDUCED VOIDS FOR 0.25-MU M AND SMALLER SEMICONDUCTOR CHIP TECHNOLOGY BY ANNEALING INTERCONNECT LINES AND USING LOW BIAS VOLTAGE AND LOW INTERLAYER DIELECTRIC DEPOSITION RATE AND SEMICONDUCTOR CHIP MADE THEREBY	6492258	2002-12-10	09/881831	2001-06-14	GLOBALFOUNDRIES Inc.	Granted

CONTROL OF TRANSISTOR PERFORMANCE THROUGH ADJUSTMENT OF SPACER OXIDE PROFILE WITH A WET ETCH	6492275	2002-12-10	09/488870	2000-01-21	GLOBALFOUNDRIES Inc.	Granted
T-RAM STRUCTURE HAVING DUAL VERTICAL DEVICES AND METHOD FOR FABRICATING THE SAME	6492662	2002-12-10	09/835732	2001-04-16	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR CHIP HAVING AN ISOLATION BARRIER FOR RELIABILITY	6492684	2002-12-10	09/878681	2001-06-11	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED COIL INDUCTORS FOR IC DEVICES	6492708	2002-12-10	09/808381	2001-03-14	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED SEMICONDUCTOR PACKAGE	6492715	2002-12-10	09/660866	2000-09-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS TO IMPROVE COATING QUALITY	6493078	2002-12-10	09/956367	2001-09-19	GLOBALFOUNDRIES Inc.	Granted
INTERPOSER FOR CONNECTING TWO SUBSTRATES AND RESULTING ASSEMBLY	6493240	2002-12-10	09/859252	2001-05-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SAMPLING DOUBLE DATA RATE MEMORY READ DATA	6493285	2002-12-10	09/925266	2001-08-09	GLOBALFOUNDRIES Inc.	Granted
MERGING NARROW REGISTER FOR RESOLUTION OF DATA DEPENDENCIES WHEN UPDATING A PORTION OF A REGISTER IN A MICROPROCESSOR	6493819	2002-12-10	09/442209	1999-11-16	GLOBALFOUNDRIES Inc.	Granted
TESTABILITY ARCHITECTURE FOR MODULARIZED INTEGRATED CIRCUITS	6493840	2002-12-10	09/433611	1999-11-02	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR (SOI) DEVICE HAVING SOURCE/DRAIN SILICON-GERMANIUM REGIONS AND METHOD OF MANUFACTURE	6495402	2002-12-17	09/777637	2001-02-06	GLOBALFOUNDRIES Inc.	Granted
CONTROLLING INTERNAL THERMAL OXIDATION AND ELIMINATING DEEP DIVOTS IN SIMOX BY CHLORINE-BASED ANNEALING	6495429	2002-12-17	10/055139	2002-01-23	GLOBALFOUNDRIES Inc.	Granted
LOW TEMPERATURE PROCESS TO LOCALLY FORM HIGH-K GATE DIELECTRICS	6495437	2002-12-17	09/781039	2001-02-09	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE DENSE WIRE FOR PRINTED CIRCUIT BOARD	6495772	2002-12-17	09/834280	2001-04-12	GLOBALFOUNDRIES Inc.	Granted
ARGON IMPLANTATION AFTER SILICIDATION FOR IMPROVED FLOATING-BODY EFFECTS	6495887	2002-12-17	09/621290	2000-07-20	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC OFF-CHIP DRIVER ADJUSTMENT BASED ON LOAD CHARACTERISTICS	6496037	2002-12-17	09/588202	2000-06-06	GLOBALFOUNDRIES Inc.	Granted
MULTILAYER CAPACITANCE STRUCTURE AND CIRCUIT BOARD CONTAINING THE SAME AND METHOD OF FORMING THE SAME	6496356	2002-12-17	10/026873	2001-12-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR TESTING A WRITE FUNCTION OF A DUAL-PORT STATIC MEMORY CELL	6496432	2002-12-17	09/733295	2000-12-08	GLOBALFOUNDRIES Inc.	Granted
HYDROGENATED OXIDIZED SILICON CARBON MATERIAL	6497963	2002-12-24	09/603257	2000-06-23	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR ANTI-FUSE WITH ELECTROSTATIC ASSIST	6498056	2002-12-24	09/702406	2000-10-31	GLOBALFOUNDRIES Inc.	Granted
GRADED OXIDE CAPS ON LOW DIELECTRIC CONSTANT (LOW K) CHEMICAL VAPOR DEPOSITION (CVD) FILMS	6498112	2002-12-24	09/904943	2001-07-13	GLOBALFOUNDRIES Inc.	Granted
CONDUCTIVE COUPLING OF ELECTRICAL STRUCTURES TO A SEMICONDUCTOR DEVICE LOCATED UNDER A BURIED OXIDE LAYER	6498372	2002-12-24	09/785432	2001-02-16	GLOBALFOUNDRIES Inc.	Granted
OXYNITRIDE SHALLOW TRENCH ISOLATION AND METHOD OF FORMATION	6498383	2002-12-24	09/863980	2001-05-23	GLOBALFOUNDRIES Inc.	Granted
POST-FUSE BLOW CORROSION PREVENTION STRUCTURE FOR COPPER FUSES	6498385	2002-12-24	09/388314	1999-09-01	GLOBALFOUNDRIES Inc.	Granted
SEED LAYER WITH ANNEALED REGION FOR INTEGRATED CIRCUIT INTERCONNECTS	6498397	2002-12-24	09/848979	2001-05-04	GLOBALFOUNDRIES Inc.	Granted
SUBORDINATE BRIDGE STRUCTURE FOR A POINT-TO-POINT COMPUTER INTERCONNECTION BUS	6499079	2002-12-24	09/349563	1999-07-08	GLOBALFOUNDRIES Inc.	Granted

METHOD OF ASSIGNING INTEGRATED CIRCUIT I/O SIGNALS IN AN INTEGRATED CIRCUIT PACKAGE	6499134	2002-12-24	09/615149	2000-07-13	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PATTERNING SENSITIVE ORGANIC THIN FILMS	6500604	2002-12-31	09/476275	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING RECESSED THIN FILM LANDING PAD STRUCTURE	6500751	2002-12-31	09/772205	2001-01-29	GLOBALFOUNDRIES Inc.	Granted
RESIST TRIM PROCESS TO DEFINE SMALL OPENINGS IN DIELECTRIC LAYERS	6500755	2002-12-31	09/731577	2000-12-06	GLOBALFOUNDRIES Inc.	Granted
FLAP CHIP PACKAGE WITH IMPROVED CAP DESIGN AND PROCESS FOR MAKING THEREOF	6501171	2002-12-31	09/774152	2001-01-30	GLOBALFOUNDRIES Inc.	Granted
ATOMIC LAYER BARRIER LAYER FOR INTEGRATED CIRCUIT INTERCONNECTS	6501177	2002-12-31	09/678946	2000-10-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PROGRAMMABLE ACTIVE TERMINATION OF INPUT/OUTPUT DEVICES	6501293	2002-12-31	09/439787	1999-11-12	GLOBALFOUNDRIES Inc.	Granted
OPTICAL TECHNIQUE TO DETECT ETCH PROCESS TERMINATION	6501555	2002-12-31	09/773954	2001-02-01	GLOBALFOUNDRIES Inc.	Granted
ALTERNATING REFERENCE WORDLINE SCHEME FOR FAST DRAM	6501675	2002-12-31	09/854987	2001-05-14	GLOBALFOUNDRIES Inc.	Granted
PIPELINE ELEMENTS WHICH VERIFY PREDECODE INFORMATION	6502185	2002-12-31	09/476936	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECTS WITH TI-CONTAINING LINERS	6503641	2003-01-07	09/740089	2000-12-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR FORMING A TRENCH IN A SEMICONDUCTOR SUBSTRATE	6503813	2003-01-07	09/595978	2000-06-16	GLOBALFOUNDRIES Inc.	Granted
COMPACT DUAL-PORT DRAM ARCHITECTURE SYSTEM AND METHOD FOR MAKING	6504204	2003-01-07	09/693047	2000-10-21	GLOBALFOUNDRIES Inc.	Granted
REMOVABLE HEAT TRANSFER APPARATUS FOR A PIN GRID ARRAY (PGA) DEVICE, AND ASSOCIATED INSTALLATION AND REMOVAL METHODS	6504243	2003-01-07	09/544749	2000-04-07	GLOBALFOUNDRIES Inc.	Granted
ENHANCED BITLINE EQUALIZATION FOR HIERARCHICAL BITLINE ARCHITECTURE	6504777	2003-01-07	09/924661	2001-08-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR RECLAIMING BUFFERS USING A SINGLE BUFFER BIT	6504846	2003-01-07	09/315724	1999-05-21	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR INITIATING AN OPERATING FREQUENCY USING DUAL-USE SIGNAL LINES	6505261	2003-01-07	09/428633	1999-10-27	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR INCLUDING EFFICIENT FETCH MECHANISM FOR LONDI L1 CACHES	6505292	2003-01-07	10/059713	2002-01-29	GLOBALFOUNDRIES Inc.	Granted
REMOVABLE SPACER TECHNIQUE	6506642	2003-01-14	10/020931	2001-12-19	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING NOTCH GATE HAVING SELF-ALIGNED RAISED SOURCE/ DRAIN STRUCTURE	6506649	2003-01-14	09/811706	2001-03-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATION BASED ON SOLID-PHASE EPITAXY FOR A MOSFET TRANSISTOR WITH A CONTROLLED DOPANT PROFILE	6506650	2003-01-14	09/843782	2001-04-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING CAPPED COPPER INTERCONNECTS WITH REDUCED HILLOCK FORMATION AND IMPROVED ELECTROMIGRATION RESISTANCE	6506677	2003-01-14	09/846186	2001-05-02	GLOBALFOUNDRIES Inc.	Granted
POLY-POLYMOS CAPACITOR HAVING A GATE ENCAPSULATING FIRST ELECTRODE LAYER	6507063	2003-01-14	09/551168	2000-04-17	GLOBALFOUNDRIES Inc.	Granted
TUNEABLE FERROELECTRIC DECOUPLING CAPACITOR	6507476	2003-01-14	09/430901	1999-11-01	GLOBALFOUNDRIES Inc.	Granted
MECHANISM FOR CAPTURING AND REPORTING INTERRUPT EVENTS OF DIFFERENT CLOCK DOMAINS	6507609	2003-01-14	09/233215	1999-01-20	GLOBALFOUNDRIES Inc.	Granted
NORBORNENE FLUOROACRYLATE COPOLYMERS AND PROCESS FOR THE USE THEREOF	6509134	2003-01-21	09/771149	2001-01-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MONITORING WATER STRESS	6509201	2003-01-21	09/832697	2001-04-11	GLOBALFOUNDRIES Inc.	Granted

METHOD FOR FORMING HIGH PERFORMANCE CMOS DEVICES WITH ELEVATED SIDEWALL SPACERS	6509221	2003-01-21	10/000695	2001-11-15	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED FLOATING BODY CONTROL FOR SOI DEVICE THROUGH LEAKAGE ENHANCED BURIED OXIDE	6509613	2003-01-21	09/849494	2001-05-04	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR FUSES AND ANTIFUSES IN VERTICAL DRAMS	6509624	2003-01-21	09/675246	2000-09-29	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC PRECHARGE DECODE SCHEME FOR FAST DRAM	6510091	2003-01-21	09/918830	2001-08-01	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR WRITING AND/OR ERASING HIGH DENSITY DATA ON A MEDIA	6510120	2003-01-21	09/773323	2001-01-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR PAGE-STATE SENSITIVE MEMORY CONTROL AND ACCESS IN DATA PROCESSING SYSTEMS	6510497	2003-01-21	09/207971	1998-12-09	GLOBALFOUNDRIES Inc.	Granted
TRANSLATION LOOKASIDE BUFFER FLUSH FILTER	6510508	2003-01-21	09/595597	2000-06-15	GLOBALFOUNDRIES Inc.	Granted
HIGH-DIELECTRIC CONSTANT INSULATORS FOR FEOL CAPACITORS	6511873	2003-01-28	09/882749	2001-06-15	GLOBALFOUNDRIES Inc.	Granted
HIGH MOBILITY FEIS USING203S A GATE OXIDE	6511876	2003-01-28	09/888777	2001-06-25	GLOBALFOUNDRIES Inc.	Granted
SOI DEVICE WITH STRUCTURE FOR ENHANCING CARRIER RECOMBINATION AND METHOD OF FABRICATING SAME	6512244	2003-01-28	09/850392	2001-05-07	GLOBALFOUNDRIES Inc.	Granted
HIGH-VOLTAGE HIGH-SPEED SOI MOSFET	6512269	2003-01-28	09/657315	2000-09-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR IMPROVING HOT CARRIER IMMUNITY FOR DEVICES WITH VERY SHALLOW JUNCTIONS	6512273	2003-01-28	09/493440	2000-01-28	GLOBALFOUNDRIES Inc.	Granted
COUPLED-CAP FLIP CHIP BGA PACKAGE WITH IMPROVED CAP DESIGN FOR REDUCED INTERFACIAL STRESSES	6512295	2003-01-28	09/797078	2001-03-01	GLOBALFOUNDRIES Inc.	Granted
HEAT SINK GROUNDED TO A GROUNDED PACKAGE LID	6512675	2003-01-28	09/764132	2001-01-19	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY HAVING CASCADED SUB-ENTRY ARCHITECTURE	6512684	2003-01-28	09/878525	2001-06-11	GLOBALFOUNDRIES Inc.	Granted
TUNABLE VAPOR DEPOSITED MATERIALS AS ANTIREFLECTIVE COATINGS, HARDMASKS AND AS COMBINED ANTIREFLECTIVE COATING/HARDMASKS AND METHODS OF FABRICATION THEREOF AND APPLICATIONS THEREOF	6514667	2003-02-04	10/000093	2001-08-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING ABRUPT SOURCE/DRAIN JUNCTIONS	6514829	2003-02-04	09/803831	2001-03-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF INHIBITTING LATERAL DIFFUSION BETWEEN ADJACENT WELLS BY INTRODUCING CARBON OR FLUORINE IONS INTO BOTTOM OF STI GROOVE	6514833	2003-02-04	09/667600	2000-09-22	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING SMALLER CONTACT SIZE USING A SPACER HARD MASK	6514849	2003-02-04	09/824420	2001-04-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CREATING NARROW TRENCH LINES USING HARD MASK	6514867	2003-02-04	09/817586	2001-03-26	GLOBALFOUNDRIES Inc.	Granted
GATE ETCH PROCESS WITH EXTENDED CD TRIM CAPABILITY	6514871	2003-02-04	09/596820	2000-06-19	GLOBALFOUNDRIES Inc.	Granted
REMOVAL OF HEAT FROM SOI DEVICE	6515333	2003-02-04	09/843958	2001-04-27	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATION OF RELAXED SIGE BUFFER LAYERS ON SILICON-ON-INSULATORS AND STRUCTURES CONTAINING THE SAME	6515335	2003-02-04	10/037611	2002-01-04	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH COPPER-FILLED VIA INCLUDES A COPPER-ZINC/ALLOY FILM FOR REDUCED ELECTROMIGRATION OF COPPER	6515368	2003-02-04	10/016410	2001-12-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MANIPULATING VLAN TAGS	6515993	2003-02-04	09/321582	1999-05-28	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR CONTROLLING ACCESS TO A PRIVILEGE-PARTITIONED ADDRESS SPACE WITH A FIXED SET OF ATTRIBUTES	6516395	2003-02-04	09/626615	2000-07-27	GLOBALFOUNDRIES Inc.	Granted
VARIABLE DESIGN RULE TOOL	6516450	2003-02-04	09/476955	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A METAL OR METAL NITRIDE INTERFACE LAYER BETWEEN SILICON NITRIDE AND COPPER	6518167	2003-02-11	10/123588	2002-04-16	GLOBALFOUNDRIES Inc.	Granted

METHOD FOR AVOIDING FLUORINE CONTAMINATION OF COPPER INTERCONNECTS	6518173	2003-02-11	09/640081	2000-08-17	GLOBALFOUNDRIES Inc.	Granted
INTEGRATION SCHEME FOR NON-FEATURE-SIZE DEPENDENT CU-ALLOY INTRODUCTION	6518185	2003-02-11	10/127521	2002-04-22	GLOBALFOUNDRIES Inc.	Granted
COPPER PLATED INVAR WITH ACID PRECLEAN	6518509	2003-02-11	09/471680	1999-12-23	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED ONE-TIME PROGRAMMABLE NON-VOLATILE MEMORY USING PROMPT SHIFT DEVICE	6518614	2003-02-11	09/683809	2002-02-19	GLOBALFOUNDRIES Inc.	Granted
TRILAYER DIELECTRIC FUSE CAP FOR LASER DELETION	6518643	2003-02-11	09/816278	2001-03-23	GLOBALFOUNDRIES Inc.	Granted
SUPERCONDUCTOR BARRIER LAYER FOR INTEGRATED CIRCUIT INTERCONNECTS	6518648	2003-02-11	09/671944	2000-09-27	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY POROUS ON-CHIP DECOUPLING/SHIELDING LAYER	6518670	2003-02-11	09/91643	2002-03-06	GLOBALFOUNDRIES Inc.	Granted
SENSE AMPLIFIER THRESHOLD COMPENSATION	6518827	2003-02-11	09/917059	2001-07-27	GLOBALFOUNDRIES Inc.	Granted
ANALOG-TO-DIGITAL CONVERTER	6518903	2003-02-11	09/649733	2000-08-28	GLOBALFOUNDRIES Inc.	Granted
EARLY WRITE DRAM ARCHITECTURE WITH VERTICALLY FOLDED BITLINES	6519174	2003-02-11	09/859145	2001-05-16	GLOBALFOUNDRIES Inc.	Granted
GENERATING SPECIAL UNCORRECTABLE ERROR CODES FOR FAILURE ISOLATION	6519736	2003-02-11	09/452079	1999-11-30	GLOBALFOUNDRIES Inc.	Granted
COPPER ETCHING COMPOSITIONS AND PRODUCTS DERIVED THEREFROM	6521328	2003-02-18	09/654963	2000-09-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM TO REDUCE SWITCHING SIGNAL NOISE ON A DEVICE AND A DEVICE AS RESULT THEREOF	6521486	2003-02-18	09/645923	2000-08-24	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A CMOS TRANSISTOR HAVING ULTRA SHALLOW SOURCE AND DRAIN REGIONS	6521501	2003-02-18	09/310170	1999-05-11	GLOBALFOUNDRIES Inc.	Granted
HDP TREATMENT FOR REDUCED NICKEL SILICIDE BRIDGING	6521529	2003-02-18	09/679880	2000-10-05	GLOBALFOUNDRIES Inc.	Granted
DEUTERIUM RESERVOIRS AND INGRESS PATHS	6521977	2003-02-18	09/489277	2000-01-21	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF A METALIZED BLIND VIA	6522014	2003-02-18	09/670968	2000-09-27	GLOBALFOUNDRIES Inc.	Granted
DUAL DAMASCENE HORN ANTENNA	6522304	2003-02-18	09/832557	2001-04-11	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SUPPLY VOLTAGE DROP ANALYSIS DURING PLACEMENT PHASE OF CHIP DESIGN	6523154	2003-02-18	09/737012	2000-12-14	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ADDING DECOUPLING CAPACITANCE DURING INTEGRATED CIRCUIT DESIGN	6523159	2003-02-18	09/761464	2001-01-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING A POLISHING PROCESS BASED ON SCATTEROMETRY DERIVED FILM THICKNESS VARIATION	6524163	2003-02-25	09/837603	2001-04-18	GLOBALFOUNDRIES Inc.	Granted
PREPARATION OF STRAINED STAGE ON INSULATOR BY HYDROGEN INDUCED LAYER TRANSFER TECHNIQUE	6524935	2003-02-25	09/675840	2000-09-29	GLOBALFOUNDRIES Inc.	Granted
POLYCYCLIC POLYMERS CONTAINING PENDANT CYCLIC ANHYDRIDE GROUPS	6525153	2003-02-25	09/521351	2000-03-09	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR BODY-SOURCE CONTACT USING SHALLOW-DOPED SOURCE, AND METHOD	6525381	2003-02-25	09/541127	2000-03-31	GLOBALFOUNDRIES Inc.	Granted
NICKEL SILICIDE PROCESS USING STARVED SILICON DIFFUSION BARRIER	6525391	2003-02-25	09/776748	2001-02-06	GLOBALFOUNDRIES Inc.	Granted
BHOL DECOUPLING CAPACITOR	6525427	2003-02-25	10/055704	2002-01-22	GLOBALFOUNDRIES Inc.	Granted
DRIVER CIRCUIT HAVING SHAPABLE TRANSITION WAVEFORMS	6525569	2003-02-25	09/957913	2001-09-21	GLOBALFOUNDRIES Inc.	Granted
OSCILLATOR WITH DIGITALLY VARIABLE PHASE FOR A PHASE-LOCKED LOOP	6525615	2003-02-25	09/617259	2000-07-14	GLOBALFOUNDRIES Inc.	Granted
MECHANISM FOR ACCUMULATING DATA TO DETERMINE AVERAGE VALUES OF PERFORMANCE PARAMETERS	6526370	2003-02-25	09/244416	1999-02-04	GLOBALFOUNDRIES Inc.	Granted
POLYMER AND CERAMIC COMPOSITE ELECTRONIC SUBSTRATES	6528145	2003-03-04	09/606359	2000-06-29	GLOBALFOUNDRIES Inc.	Granted

METHOD FOR IDENTIFYING AND CONTROLLING IMPACT OF AMBIENT CONDITIONS ON PHOTOLITHOGRAPHY PROCESSES	6528331	2003-03-04	10/094061	2002-03-08	GLOBALFOUNDRIES Inc.	Granted
METAL GATE WITH CVD AMORPHOUS SILICON LAYER FOR CMOS DEVICES AND METHOD OF MAKING WITH A REPLACEMENT GATE PROCESS	6528362	2003-03-04	09/691181	2000-10-19	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF NOTCHED GATES BY PASSIVATING PARTIALLY ETCHED GATE SIDEWALLS AND THEN USING AN ISOTROPIC ETCH	6528363	2003-03-04	09/811707	2001-03-19	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURE FORMED IN POROUS DIELECTRIC MATERIAL WITH MINIMIZED DEGRADATION AND ELECTROMIGRATION	6528409	2003-03-04	10/134853	2002-04-29	GLOBALFOUNDRIES Inc.	Granted
DEPOSITING AN ADHESION SKIN LAYER AND A CONFORMAL SEED LAYER TO FILL AN INTERCONNECT OPENING	6528412	2003-03-04	09/844727	2001-04-30	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC HIGH VOLTAGE SILICON ON INSULATOR DEVICE DESIGN FOR INPUT OUTPUT CIRCUITS	6528846	2003-03-04	09/404039	1999-09-23	GLOBALFOUNDRIES Inc.	Granted
POST-SLIDATION IMPLANT FOR INTRODUCING RECOMBINATION CENTER IN BODY OF SOI MOSFET	6528851	2003-03-04	09/871191	2001-05-31	GLOBALFOUNDRIES Inc.	Granted
MOSFETS WITH DEFERRING GATE DIELECTRICS AND METHOD OF FORMATION	6528858	2003-03-04	10/044892	2002-01-11	GLOBALFOUNDRIES Inc.	Granted
CONFORMAL ATOMIC LINER LAYER IN AN INTEGRATED CIRCUIT INTERCONNECT	6528884	2003-03-04	09/872328	2001-06-01	GLOBALFOUNDRIES Inc.	Granted
LAND GRID ARRAY STIFFENER USE WITH FLEXIBLE CHIP CARRIERS	6528892	2003-03-04	09/874196	2001-06-05	GLOBALFOUNDRIES Inc.	Granted
INTERLEAVED FEEDFORWARD VCO AND PLL	6529084	2003-03-04	09/574986	2001-10-11	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING PHOTOLITHOGRAPHY PROCESSES BASED UPON SCATTEROMETRIC MEASUREMENTS OF PHOTORESIST THICKNESS, AND SYSTEM FOR ACCOMPLISHING SAME	6529282	2003-03-04	09/879338	2001-06-11	GLOBALFOUNDRIES Inc.	Granted
ARTICLE EXHIBITING ENHANCED ADHESION BETWEEN A DIELECTRIC SUBSTRATE AND HEAT SPREADER AND METHOD	6529379	2003-03-04	09/172732	1998-10-13	GLOBALFOUNDRIES Inc.	Granted
LOW POWER STATIC MEMORY	6529402	2003-03-04	10/094533	2002-03-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR AUTOMATIC ROUTING FOR REENTRANT PROCESSES	6529789	2003-03-04	10/097467	2002-03-14	GLOBALFOUNDRIES Inc.	Granted
NETWORK TRANSCIEVER HAVING MEDIA INDEPENDENT INTERFACE OPERABLE IN A GENERAL PURPOSE SERIAL INTERFACE MODE	6529961	2003-03-04	09/289950	1999-04-13	GLOBALFOUNDRIES Inc.	Granted
INITIALIZING AND SAVING PERIPHERAL DEVICE CONFIGURATION STATES OF A MICROCONTROLLER USING A UTILITY PROGRAM	6530050	2003-03-04	09/209119	1998-12-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR LOOPING BACK A CURRENT STATE TO RESUME A MEMORY BUILT-IN SELF-TEST	6530052	2003-03-04	09/514368	2000-02-28	GLOBALFOUNDRIES Inc.	Granted
INTRINSIC DUAL GATE OXIDE MOSFET USING A DAMASCENE GATE PROCESS	6531410	2003-03-11	09/795610	2001-02-27	GLOBALFOUNDRIES Inc.	Granted
DUAL SIDEWALL SPACER FOR A SELF-ALIGNED EXTRINSIC BASE IN SICE HETEROJUNCTION BIPOLAR TRANSISTORS	6531720	2003-03-11	09/838417	2001-04-19	GLOBALFOUNDRIES Inc.	Granted
CHIP SCALE ELECTRICAL TEST FIXTURE WITH ISOLATION PLATE HAVING A RECESS	6531774	2003-03-11	09/563497	2000-05-03	GLOBALFOUNDRIES Inc.	Granted
VIA FORMATION IN INTEGRATED CIRCUIT INTERCONNECTS	6531780	2003-03-11	09/894289	2001-06-27	GLOBALFOUNDRIES Inc.	Granted
LOW-POWER BAND-GAP REFERENCE AND TEMPERATURE SENSOR CIRCUIT	6531911	2003-03-11	09/611519	2000-07-07	GLOBALFOUNDRIES Inc.	Granted

METHOD AND APPARATUS FOR INTEGRATION OF REAL-TIME TOOL DATA AND IN-LINE METROLOGY FOR FAULT DETECTION IN AN ADVANCED PROCESS CONTROL (APC) FRAMEWORK	6532555	2003-03-11	09/430475	1999-10-29	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING A THERMOSET-CONTAINING DIELECTRIC MATERIAL AND METHODS FOR FABRICATING THE SAME	6534160	2003-03-18	09/781637	2001-02-12	GLOBALFOUNDRIES Inc.	Granted
HALOGEN FREE TRIAZINES, BISMALEIMIDE/EPOXY POLYMERS, PREPERGS MADE THEREFROM FOR CIRCUIT BOARDS AND RESIN COATED ARTICLES, AND USE	6534179	2003-03-18	09/818458	2001-03-27	GLOBALFOUNDRIES Inc.	Granted
RESIST COMPOSITIONS WITH POLYMERS HAVING PENDANT GROUPS CONTAINING PLURAL ACID LABILE MOIETIES	6534239	2003-03-18	09/844848	2001-04-27	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL FEATURE DOUBLING PROCESS	6534243	2003-03-18	10/000493	2001-10-23	GLOBALFOUNDRIES Inc.	Granted
MOS TRANSISTOR WITH REDUCED FLOATING BODY EFFECT	6534373	2003-03-18	09/817919	2001-03-26	GLOBALFOUNDRIES Inc.	Granted
PRE-TREATMENT OF LOW-K DIELECTRIC FOR PREVENTION OF PHOTORESIST POISONING	6534397	2003-03-18	09/903758	2001-07-13	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR GENERATING A REFERENCE VOLTAGE	6534806	2003-03-18	10/005295	2001-12-04	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL COUPLING OF A STEPPER TO A CHIP CARRIER	6534848	2003-03-18	09/657194	2000-09-07	GLOBALFOUNDRIES Inc.	Granted
COMMON BALL-LIMITING METALLURGY FOR I/O SITES	6534863	2003-03-18	09/781121	2001-02-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ENHANCED FIL OF VIAS AND TRENCHES	6534865	2003-03-18	09/880219	2001-06-12	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT FOR DETECTING A COOLING DEVICE IN A COMPUTER SYSTEM	6534995	2003-03-18	09/766481	2001-01-19	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD FOR TESTING PERFORMANCE OF SILICON STRUCTURES	6535015	2003-03-18	09/845266	2001-04-30	GLOBALFOUNDRIES Inc.	Granted
MACHINE READABLE CODE TO TRIGGER DATA COLLECTION	6535288	2003-03-18	09/902351	2001-07-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS IN A NETWORK SWITCH FOR HANDLING LINK FAILURE AND LINK RECOVERY IN A TRUNKED DATA PATH	6535489	2003-03-18	09/315854	1999-05-21	GLOBALFOUNDRIES Inc.	Granted
LOW-LATENCY CIRCUIT FOR SYNCHRONIZING DATA TRANSFERS BETWEEN CLOCK DOMAINS DERIVED FROM A COMMON CLOCK	6535946	2003-03-18	09/477321	2000-01-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MAKING INTEGRATED CIRCUITS HAVING GATED CLOCK TREES	6536024	2003-03-18	09/617908	2000-07-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND DEVICE FOR IDENTIFICATION OF A SUBSTANCE	6537499	2003-03-25	09/315804	1999-05-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CHARACTERIZING AN INTERCONNECT STRUCTURE PROFILE USING SCATTEROMETRY MEASUREMENTS	6537833	2003-03-25	09/885411	2001-06-19	GLOBALFOUNDRIES Inc.	Granted
SALICIDE DEVICE WITH BORDERLESS CONTACT	6538295	2003-03-25	09/645499	2000-08-25	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR (SOI) TRENCH PHOTODIODE	6538299	2003-03-25	09/678315	2000-10-03	GLOBALFOUNDRIES Inc.	Granted
PACKAGING SUBSTRATE COMPRISING STAGGERED VIAS	6538307	2003-03-25	09/772889	2001-01-31	GLOBALFOUNDRIES Inc.	Granted
HEAT SPREADER HAVING HOLES FOR RIVER-LIKE ADHESIVE CONNECTIONS	6538320	2003-03-25	09/892778	2001-06-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND RING OSCILLATOR FOR EVALUATING DYNAMIC CIRCUITS	6538522	2003-03-25	09/977423	2001-10-15	GLOBALFOUNDRIES Inc.	Granted
TIMING CIRCUIT AND METHOD FOR A COMPLIABLE DRAM	6538932	2003-03-25	09/880598	2001-06-13	GLOBALFOUNDRIES Inc.	Granted
INSTRUCTION DECODE UNIT PRODUCING INSTRUCTION OPERAND INFORMATION IN THE ORDER IN WHICH THE OPERANDS ARE IDENTIFIED, AND SYSTEMS INCLUDING SAME	6539470	2003-03-25	09/441632	1999-11-16	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR GENERATING HARDWARE DESCRIPTION CODE	6539520	2003-03-25	09/724134	2000-11-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR LITHOGRAPHICALLY PRINTING TIGHTLY NESTED AND ISOLATED DEVICE FEATURES USING MULTIPLE MASK EXPOSURES	6541166	2003-04-01	09/766005	2001-01-18	GLOBALFOUNDRIES Inc.	Granted

METHOD OF MAKING TRANSISTORS WITH GATE INSULATION LAYERS OF DIFFERING THICKNESS	6541321	2003-04-01	101/45519	2002-05-14	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION USING NON-CONFORMAL DIELECTRIC AND PLANARIZATION	6541349	2003-04-01	09/764674	2001-01-18	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR LIMITING DIVOT FORMATION IN POST SHALLOW TRENCH ISOLATION PROCESSES	6541351	2003-04-01	09/989585	2001-11-20	GLOBALFOUNDRIES Inc.	Granted
ULTIMATE SIMOX	6541356	2003-04-01	09/861596	2001-05-21	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING A REDUCED SIGNAL PROCESSING TIME AND A METHOD OF FABRICATING THE SAME	6541863	2003-04-01	09/475572	2000-01-05	GLOBALFOUNDRIES Inc.	Granted
POROUS DIELECTRIC MATERIAL AND ELECTRONIC DEVICES FABRICATED THEREWITH	6541865	2003-04-01	09/892234	2001-06-26	GLOBALFOUNDRIES Inc.	Granted
CIRCUITRY WITH INTEGRATED PASSIVE COMPONENTS AND METHOD FOR PRODUCING	6542379	2003-04-01	09/353992	1999-07-15	GLOBALFOUNDRIES Inc.	Granted
REDUNDANT MEMORY ARRAY HAVING DUAL-USE REPAIR ELEMENTS	6542418	2003-04-01	09/892026	2001-06-26	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED REDUNDANCY ARCHITECTURE SYSTEM FOR AN EMBEDDED DRAM	6542973	2003-04-01	09/898434	2001-07-03	GLOBALFOUNDRIES Inc.	Granted
MACRO DESIGN TECHNIQUES TO ACCOMMODATE CHIP LEVEL WIRING AND CIRCUIT PLACEMENT ACROSS THE MACRO	6543040	2003-04-01	09/526198	2000-03-15	GLOBALFOUNDRIES Inc.	Granted
PELLICLE FOR USE IN SMALL WAVELENGTH LITHOGRAPHY AND A METHOD FOR MAKING SUCH A PELLICLE	6544693	2003-04-08	09/770733	2001-01-26	GLOBALFOUNDRIES Inc.	Granted
POLISHED HARD MASK PROCESS FOR CONDUCTOR LAYER PATTERNING	6544885	2003-04-08	09/706498	2000-11-03	GLOBALFOUNDRIES Inc.	Granted
PRINTED WIRING BOARD INTERPOSER SUB-ASSEMBLY	6545226	2003-04-08	09/871556	2001-05-31	GLOBALFOUNDRIES Inc.	Granted
ON CHIP ALPHA-PARTICLE DETECTOR	6545330	2003-04-08	09/614234	2000-07-12	GLOBALFOUNDRIES Inc.	Granted
LIGHT CONTROLLED SILICON ON INSULATOR DEVICE	6545333	2003-04-08	09/681541	2001-04-25	GLOBALFOUNDRIES Inc.	Granted
COMPOSITE SILICON NITRIDE SIDEWALL SPACERS FOR REDUCED NICKEL SILLIDE BRIDGING	6545370	2003-04-08	09/679375	2000-10-05	GLOBALFOUNDRIES Inc.	Granted
ADJUSTING FILLET GEOMETRY TO COUPLE A HEAT SPREADER TO A CHIP CARRIER	6545869	2003-04-08	09/764048	2001-01-17	GLOBALFOUNDRIES Inc.	Granted
HIGH-SPEED HEXADECIMAL ADDING METHOD AND SYSTEM	6546410	2003-04-08	09/481548	2000-01-10	GLOBALFOUNDRIES Inc.	Granted
INVALID CONFIGURATION DETECTION RESOURCE	6546482	2003-04-08	09/306871	1999-05-07	GLOBALFOUNDRIES Inc.	Granted
SUBSTITUTED NORBORNENE FLUOROACRYLATE COPOLYMERS AND USE THEREOF IN LITHOGRAPHIC PHOTORESIST COMPOSITIONS	6548219	2003-04-15	09/771262	2001-01-26	GLOBALFOUNDRIES Inc.	Granted
SOI MOSFET AND METHOD OF FABRICATION	6548361	2003-04-15	101/45915	2002-05-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PROMOTING VOID FREE COPPER INTERCONNECTS	6548395	2003-04-15	09/713313	2000-11-16	GLOBALFOUNDRIES Inc.	Granted
CU/LOW-K BEOL WITH NONCONCURRENT HYBRID DIELECTRIC INTERFACE	6548901	2003-04-15	09/596750	2000-06-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR IMPROVING THE PERFORMANCE ON SOI MEMORY ARRAYS IN AN SRAM ARCHITECTURE SYSTEM	6549450	2003-04-15	09/708142	2000-11-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR WRITING OPERATION IN SRAM CELLS EMPLOYING PETS PASS GATES	6549453	2003-04-15	09/896745	2001-06-29	GLOBALFOUNDRIES Inc.	Granted
STORE TO LOAD FORWARDING USING A DEPENDENCY LINK FILE	6549990	2003-04-15	09/862687	2001-05-21	GLOBALFOUNDRIES Inc.	Granted
SCALABLE VIRTUAL TIMER ARCHITECTURE FOR EFFICIENTLY IMPLEMENTING MULTIPLE HARDWARE TIMERS WITH MINIMAL SILICON OVERHEAD	6550015	2003-04-15	09/247876	1999-02-10	GLOBALFOUNDRIES Inc.	Granted

METHOD AND APPARATUS FOR EXERCISING EXTERNAL MEMORY WITH A MEMORY BUILT-IN TEST	6550033	2003-04-15	09/504907	2000-02-16	GLOBALFOUNDRIES Inc.	Granted
FLUX COMPOSITION AND SOLDERING METHOD FOR HIGH DENSITY ARRAYS	6550667	2003-04-22	09/726697	2000-11-29	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING SIGNAL CONTACTS AND HIGH CURRENT POWER CONTACTS	6551114	2003-04-22	09/789141	2001-02-20	GLOBALFOUNDRIES Inc.	Granted
LOW TEMPERATURE PROCESS FOR A THIN FILM TRANSISTOR	6551885	2003-04-22	09/779986	2001-02-09	GLOBALFOUNDRIES Inc.	Granted
DUAL PURPOSE LOW POWER INPUT CIRCUIT FOR A MEMORY DEVICE INTERFACE	6552569	2003-04-22	09/745951	2000-12-22	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PROCESS INDEPENDENT CLOCK SIGNAL DISTRIBUTION	6552589	2003-04-22	09/422367	1999-10-21	GLOBALFOUNDRIES Inc.	Granted
SAVING CONTENT ADDRESSABLE MEMORY POWER THROUGH CONDITIONAL COMPARISONS	6552920	2003-04-22	09/892396	2001-06-27	GLOBALFOUNDRIES Inc.	Granted
COLUMN REDUNDANCY SYSTEM AND METHOD FOR EMBEDDED DRAM DEVICES WITH MULTIBANKING CAPABILITY	6552938	2003-04-22	09/971840	2001-10-05	GLOBALFOUNDRIES Inc.	Granted
SINGLE BITLINE DIRECT SENSING ARCHITECTURE FOR HIGH SPEED MEMORY DEVICE	6552944	2003-04-22	09/870755	2001-05-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SIMULTANEOUS ONLINE ACCESS OF VOLUME-MANAGED DATA STORAGE	6553390	2003-04-22	09/712646	2000-11-14	GLOBALFOUNDRIES Inc.	Granted
COMPUTER SYSTEM IMPLEMENTING FLUSH OPERATION	6553430	2003-04-22	09/410852	1999-10-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DESIGNING AN INTEGRATED CIRCUIT MEMORY ARCHITECTURE	6553552	2003-04-22	09/491650	2000-01-27	GLOBALFOUNDRIES Inc.	Granted
METHOD TO DETERMINE OPTICAL PROXIMITY CORRECTION AND ASSIST FEATURE RULES WHICH ACCOUNT FOR VARIATIONS IN MASK DIMENSIONS	6553559	2003-04-22	09/754910	2001-01-05	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL-MECHANICAL POLISHING PAD CONDITIONING SYSTEM AND METHOD	6554951	2003-04-29	09/690704	2000-10-16	GLOBALFOUNDRIES Inc.	Granted
CU/SN/PD ACTIVATION OF A BARRIER LAYER FOR ELECTROLESS CU DEPOSITION	6555171	2003-04-29	09/558831	2000-04-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR ENHANCING ENDPOINT DETECTION OF A VIA ETCH	6555396	2003-04-29	10/097159	2002-03-13	GLOBALFOUNDRIES Inc.	Granted
DRY ISOTROPIC REMOVAL OF INORGANIC ANTI-REFLECTIVE COATING AFTER POLY GATE ETCHING	6555397	2003-04-29	09/660723	2000-09-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING LOW RESISTANCE BARRIER ON LOW K INTERCONNECT	6555461	2003-04-29	09/884059	2001-06-20	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC PACKAGE HAVING SUBSTRATE WITH ELECTRICALLY CONDUCTIVE THROUGH HOLES FILLED WITH POLYMER AND CONDUCTIVE COMPOSITION	6555762	2003-04-29	09/345428	1999-07-01	GLOBALFOUNDRIES Inc.	Granted
FLIP FERAM CELL AND METHOD TO FORM SAME	6555859	2003-04-29	09/924660	2001-08-08	GLOBALFOUNDRIES Inc.	Granted
SOI HYBRID STRUCTURE WITH SELECTIVE EPITAXIAL GROWTH OF SILICON	6555891	2003-04-29	09/690674	2000-10-17	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH REDUCED LINE-TO-LINE CAPACITANCE AND CROSS TALK NOISE	6555892	2003-04-29	09/812372	2001-03-20	GLOBALFOUNDRIES Inc.	Granted
SCATTERED SIGNAL COLLECTION USING STROBED TECHNIQUE	6556303	2003-04-29	09/902366	2001-07-10	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CHIP HAVING SRAM, DRAM AND FLASH MEMORY AND METHOD FOR FABRICATING THE SAME	6556477	2003-04-29	09/861788	2001-05-21	GLOBALFOUNDRIES Inc.	Granted
NETWORK TRANSCIVER FOR STEERING NETWORK DATA TO SELECTED PATHS BASED ON DETERMINED LINK SPEEDS	6556589	2003-04-29	09/222219	1999-01-04	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR INTERFACING A STATISTICAL PROCESS CONTROL SYSTEM WITH A MANUFACTURING PROCESS CONTROL FRAMEWORK	6556884	2003-04-29	09/596260	2000-06-16	GLOBALFOUNDRIES Inc.	Granted

DISTRIBUTED STATIC TIMING ANALYSIS	6557151	2003-04-29	09/650399	2000-08-29	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PHOTOLITHOGRAPHIC CRITICAL DIMENSION CONTROL BY USING RETICLE MEASUREMENTS IN A CONTROL ALGORITHM	6557163	2003-04-29	09/997904	2001-11-30	GLOBALFOUNDRIES Inc.	Granted
PREPARATION OF COMPOSITE HIGH-K / STANDARD-K DIELECTRICS FOR SEMICONDUCTOR DEVICES	6559014	2003-05-06	09/977928	2001-10-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF USING AMORPHOUS CARBON AS SPACER MATERIAL IN A DISPOSABLE SPACER PROCESS	6559017	2003-05-06	10/170909	2002-06-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF TOPOGRAPHY MANAGEMENT IN SEMICONDUCTOR FORMATION	6559028	2003-05-06	10/051549	2002-01-18	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A RECESSED POLYSILICON FILLED TRENCH	6559030	2003-05-06	10/015987	2001-12-13	GLOBALFOUNDRIES Inc.	Granted
STRAIN RELIEF FOR SUBSTRATES HAVING A LOW COEFFICIENT OF THERMAL EXPANSION	6559388	2003-05-06	09/328189	1999-06-08	GLOBALFOUNDRIES Inc.	Granted
USE OF CONTAMINATION-FREE MANUFACTURING DATA IN FAULT DETECTION AND CLASSIFICATION AS WELL AS IN RUN-TO-RUN CONTROL	6560504	2003-05-06	09/408241	1999-09-29	GLOBALFOUNDRIES Inc.	Granted
UNICODE-BASED DRIVERS, DEVICE CONFIGURATION INTERFACE AND METHODOLOGY FOR CONFIGURING SIMILAR BUT POTENTIALLY INCOMPATIBLE PERIPHERAL DEVICES	6560659	2003-05-06	09/383480	1999-08-26	GLOBALFOUNDRIES Inc.	Granted
REGISTER CHANGE SUMMARY RESOURCE	6560698	2003-05-06	09/306879	1999-05-07	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR BUFFER LIBRARY SELECTION FOR USE IN BUFFER INSERTION	6560752	2003-05-06	09/611670	2000-07-06	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC PULSE WIDTH PROGRAMMING OF PROGRAMMABLE LOGIC DEVICES	6560764	2003-05-06	09/624494	2000-07-24	GLOBALFOUNDRIES Inc.	Granted
CRITICAL DIMENSION MONITORING FROM LATENT IMAGE	6561706	2003-05-13	09/893807	2001-06-28	GLOBALFOUNDRIES Inc.	Granted
DISTRIBUTED CONNECTOR SYSTEM FOR WEARABLE COMPUTERS	6561845	2003-05-13	09/749162	2000-12-27	GLOBALFOUNDRIES Inc.	Granted
WAFER BASED TEMPERATURE SENSORS FOR CHARACTERIZING CHEMICAL MECHANICAL POLISHING PROCESSES	6562185	2003-05-13	09/955552	2001-09-18	GLOBALFOUNDRIES Inc.	Granted
ACTIVE CONTROL OF PHASE SHIFT MASK ETCHING PROCESS	6562248	2003-05-13	09/817518	2001-03-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING LOW RESISTANCE VIAS	6562416	2003-05-13	09/846187	2001-05-02	GLOBALFOUNDRIES Inc.	Granted
PREPARATION OF COMPOSITE HIGH-K DIELECTRICS	6562491	2003-05-13	09/977922	2001-10-15	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR FEATURE HAVING SUPPORT ISLANDS	6562521	2003-05-13	09/344800	1999-06-25	GLOBALFOUNDRIES Inc.	Granted
PHOTORESIST COMPOSITIONS WITH CYCLIC OLFIN POLYMERS AND HYDROPHOBIC NON-STERIODAL MULTI-ALICYCLIC ADDITIVES	6562554	2003-05-13	09/625649	2000-07-26	GLOBALFOUNDRIES Inc.	Granted
MICRO-STRUCTURES AND METHODS FOR THEIR MANUFACTURE	6562642	2003-05-13	10/072330	2002-02-07	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC PACKAGE WITH BONDED STRUCTURE AND METHOD OF MAKING	6562662	2003-05-13	09/962817	2001-09-25	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PROTECTING SEMICONDUCTOR AREAS WHILE EXPOSING A GATE	6562713	2003-05-13	10/078779	2002-02-19	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FAULT DETECTION USING MULTIPLE TOOL ERROR SIGNALS	6563300	2003-05-13	09/832781	2001-04-11	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC DATA QUALITY ADJUSTMENT TO REDUCE RESPONSE TIME IN BROWSING	6563378	2003-05-13	09/236622	1999-01-29	GLOBALFOUNDRIES Inc.	Granted
IN-SITU THICKNESS MEASUREMENT FOR USE IN SEMICONDUCTOR PROCESSING	6563378	2003-05-13	09/824112	2001-04-02	GLOBALFOUNDRIES Inc.	Granted
FLASH MEMORY STRUCTURE HAVING DOUBLE CELLED ELEMENTS AND METHOD FOR FABRICATING THE SAME	6563736	2003-05-13	09/860736	2001-05-18	GLOBALFOUNDRIES Inc.	Granted

APPARATUS AND METHOD FOR MODIFYING A LIMIT OF A RETRY COUNTER IN A NETWORK SWITCH PORT IN RESPONSE TO EXERTING BACKPRESSURE	6563790	2003-05-13	09/216185	1999-05-21	GLOBALFOUNDRIES Inc.	Granted
WEIGHTED ROUND ROBIN CELL ARCHITECTURE	6563818	2003-05-13	09/214976	1999-05-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PASSING EVENT LOGS TO DETERMINE TOOL OPERABILITY	6564171	2003-05-13	09/661694	2000-09-14	GLOBALFOUNDRIES Inc.	Granted
NON-COHERENT CACHE BUFFER FOR READ ACCESSES TO SYSTEM MEMORY	6564272	2003-05-13	10/082766	2002-02-25	GLOBALFOUNDRIES Inc.	Granted
SCHEDULER WHICH DISCOVERS NON-SPECULATIVE NATURE OF AN INSTRUCTION AFTER ISSUING AND REISSUES THE INSTRUCTION	6564315	2003-05-13	09/476322	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR LINKING AND/OR PATTERNING SELF-ASSEMBLED OBJECTS	6566665	2003-05-20	09/930979	2001-08-17	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH AN IMPROVED GATE CONTACT AND METHOD OF FABRICATING THE SAME	6566718	2003-05-20	09/848085	2001-05-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MONITORING CONSUMABLE PERFORMANCE	6567718	2003-05-20	09/627874	2000-07-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR EFFICIENTLY RECOVERING FROM A FAILURE IN A DATABASE THAT INCLUDES UNLOGGED OBJECTS	6567928	2003-05-20	09/576303	2000-05-23	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CHECKING BGA SUBSTRATE DESIGN	6569694	2003-05-27	09/892799	2001-06-28	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IMPROVING PERFORMANCE OF ORGANIC SEMICONDUCTORS IN BOTTOM ELECTRODE STRUCTURE	6569707	2003-05-27	10/020698	2001-10-29	GLOBALFOUNDRIES Inc.	Granted
MERGED SELF-ALIGNED SOURCE AND ONO CAPACITOR FOR SPLIT GATE NON-VOLATILE MEMORY	6570209	2003-05-27	10/041120	2002-01-08	GLOBALFOUNDRIES Inc.	Granted
APPARATUS TO REDUCE THERMAL FATIGUE STRESS ON FLIP CHIP SOLDER CONNECTIONS	6570259	2003-05-27	09/814789	2001-03-22	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR COMBINED TRANSACTION REORDERING AND BUFFER MANAGEMENT	6571332	2003-05-27	09/546979	2000-04-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR USING LATENCY TIME AS A RUN-TO-RUN CONTROL PARAMETER	6571371	2003-05-27	09/749293	2000-12-27	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR ILLUMINATING A SEMICONDUCTOR PROCESSING SYSTEM	6572252	2003-06-03	09/591085	2000-06-09	GLOBALFOUNDRIES Inc.	Granted
ELECTROMIGRATION-RESISTANT COPPER MICROSTRUCTURE	6572982	2003-06-03	09/604539	2000-06-27	GLOBALFOUNDRIES Inc.	Granted
THERMALLY STABLE POLY-SI/HIGH DIELECTRIC CONSTANT MATERIAL INTERFACES	6573197	2003-06-03	09/833550	2001-04-12	GLOBALFOUNDRIES Inc.	Granted
USE OF THERMAL FLOW TO REMOVE SIDE LOBES	6573480	2003-06-03	09/800166	2001-03-06	GLOBALFOUNDRIES Inc.	Granted
HETEROJUNCTION BIPOLAR TRANSISTOR WITH SILICON-GERMANIUM BASE	6573539	2003-06-03	09/878930	2001-06-12	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR REDUCING NOISE OF CONGESTED DATALINES IN AN EDRAM	6574127	2003-06-03	09/820592	2001-03-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND MECHANISM FOR SPECULATIVELY EXECUTING THREADS OF INSTRUCTIONS	6574725	2003-06-03	09/431358	1999-11-01	GLOBALFOUNDRIES Inc.	Granted
TRI-TONE MASK PROCESS FOR DENSE AND ISOLATED PATTERNS	6576376	2003-06-10	09/778586	2001-02-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE WITH RELIABLE CONTACTS/VIAS	6576548	2003-06-10	10/079861	2002-02-22	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR BONDING HEAT SINKS TO OVERMOULDS AND DEVICE FORMED THEREBY	6576996	2003-06-10	09/757159	2001-01-09	GLOBALFOUNDRIES Inc.	Granted
CHIP INTERCONNECT WIRING STRUCTURE WITH LOW DIELECTRIC CONSTANT INSULATOR AND METHODS FOR FABRICATING THE SAME	6577011	2003-06-10	09/715559	2000-11-17	GLOBALFOUNDRIES Inc.	Granted
CONSTANT IMPEDANCE DRIVER FOR HIGH SPEED INTERFACE	6577154	2003-06-10	09/848454	2001-05-03	GLOBALFOUNDRIES Inc.	Granted

METHOD AND APPARATUS FOR INITIALIZING AN INTEGRATED CIRCUIT USING COMPRESSED DATA FROM A REMOTE FUSEBOX	6577156	2003-06-10	09/731147	2000-12-05	GLOBALFOUNDRIES Inc.	Granted
FLUX GUIDE STRUCTURE FOR A SPIN VALVE TRANSISTOR WHICH INCLUDES A SLIDER BODY SEMICONDUCTOR LAYER	6577476	2003-06-10	10/108688	2002-03-28	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC POWER SUPPLY INCLUDING A FAST RESPONSE CONVERTER	6577515	2003-06-10	09/798550	2001-03-02	GLOBALFOUNDRIES Inc.	Granted
SELF TIMING INTERLOCK CIRCUIT FOR EMBEDDED DRAM	6577548	2003-06-10	10/065223	2002-09-26	GLOBALFOUNDRIES Inc.	Granted
PROCESS WINDOW BASED OPTICAL PROXIMITY CORRECTION OF LITHOGRAPHIC IMAGES	6578190	2003-06-10	09/759013	2001-01-11	GLOBALFOUNDRIES Inc.	Granted
SUPPORT AND ALIGNMENT DEVICE FOR ENABLING CHEMICAL MECHANICAL POLISHING RINSE AND FILM MEASUREMENTS	6579149	2003-06-17	09/775448	2001-02-06	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL PLANAR HEAD DAMPENING SYSTEM	6579159	2003-06-17	09/825018	2001-04-03	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE HAVING REFRACTORY METAL FILM ON A SUBSTRATE	6579614	2003-06-17	09/814766	2001-03-23	GLOBALFOUNDRIES Inc.	Granted
MODIFICATION OF MASK LAYOUT DATA TO IMPROVE MASK FIDELITY	6579651	2003-06-17	10/175923	2002-06-20	GLOBALFOUNDRIES Inc.	Granted
USING SCATTEROMETRY TO MEASURE RESIST THICKNESS AND CONTROL IMPLANT	6579733	2003-06-17	10/196407	2002-07-16	GLOBALFOUNDRIES Inc.	Granted
CHIP PACKAGING SYSTEM AND METHOD USING DEPOSITED DIAMOND FILM	6579743	2003-06-17	10/041639	2002-01-07	GLOBALFOUNDRIES Inc.	Granted
MANUFACTURING METHOD FOR FULLY DEPLETED SILICON ON INSULATOR SEMICONDUCTOR DEVICE	6579750	2003-06-17	09/974217	2001-10-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING CONDUCTIVE INTERCONNECTIONS ON AN INTEGRATED CIRCUIT DEVICE	6579788	2003-06-17	09/664238	2000-09-18	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE DOUBLE-GATE FET	6580132	2003-06-17	10/119799	2002-04-10	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DELINEATION OF EDRAM SUPPORT DEVICE NOTCHED GATE	6580136	2003-06-17	09/772345	2001-01-30	GLOBALFOUNDRIES Inc.	Granted
ACCURATE CONTACT CRITICAL DIMENSION MEASUREMENT USING VARIABLE THRESHOLD METHOD	6581023	2003-06-17	09/778529	2001-02-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR AUTOMATIC RECEIVE VERIFICATION	6581168	2003-06-17	09/531895	2000-03-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DETERMINING ETCH ENDPOINT USING PRINCIPAL COMPONENTS ANALYSIS OF OPTICAL EMISSION SPECTRA	6582618	2003-06-24	09/491845	2000-01-26	GLOBALFOUNDRIES Inc.	Granted
DOPED SPACER LINER FOR IMPROVED TRANSISTOR PERFORMANCE	6583016	2003-06-24	10/105522	2002-03-26	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING A LOW DIELECTRIC CONSTANT MATERIAL	6583070	2003-06-24	09/778777	2001-02-08	GLOBALFOUNDRIES Inc.	Granted
LOW DENSITY, TENSILE STRESS REDUCING MATERIAL FOR STI TRENCH FILL	6583488	2003-06-24	09/817858	2001-03-26	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT PACKAGING WITH TAPERED STRIPLINES OF CONSTANT IMPEDANCE	6583498	2003-06-24	10/217233	2002-08-09	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD TO MEASURE CLOSED AREA DEFECTS	6583871	2003-06-24	09/911238	2001-07-23	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD OF IMPLEMENTING A HOME NETWORK BY FILTERING ISDN-BASED SIGNALS WITHIN THE CUSTOMER PREMISES	6584079	2003-06-24	09/302371	1999-04-30	GLOBALFOUNDRIES Inc.	Granted
USER CONFIGURABLE MULTIVARIATE TIME SERIES REDUCTION TOOL CONTROL METHOD	6584368	2003-06-24	10/245461	2002-09-17	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR INITIALIZING SOURCE-SYNCHRONOUS DATA TRANSFERS USING RATIO BITS	6584575	2003-06-24	09/490307	2000-01-24	GLOBALFOUNDRIES Inc.	Granted

PRINTED CIRCUIT BOARD WITH MIXED METALLURGY PADS AND METHOD OF FABRICATION	6586683	2003-07-01	09/844814	2001-04-27	GLOBALFOUNDRIES Inc.	Granted
MULTIPOLE ELECTROSTATIC E-BEAM DEFLECTOR	6586746	2003-07-01	09/670728	2000-09-27	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED SILICON GERMANIUM HETEROJUNCTION BIPOLAR TRANSISTOR DEVICE WITH ELECTROSTATIC DISCHARGE CREVICE COVER FOR SALICIDE DISPLACEMENT	6586818	2003-07-01	09/683986	2002-03-08	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC DEVICE SUBSTRATE ASSEMBLY WITH IMPERMEABLE BARRIER AND METHOD OF MAKING	6587345	2003-07-01	10/047497	2001-11-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SIGNAL INTEGRITY VERIFICATION	6587330	2003-07-01	09/680819	2000-10-05	GLOBALFOUNDRIES Inc.	Granted
USE OF ENDPOINT SYSTEM TO MATCH INDIVIDUAL PROCESSING STATIONS WITHIN A TOOL	6588007	2003-07-01	09/753705	2001-01-03	GLOBALFOUNDRIES Inc.	Granted
NON-PLANAR COPPER ALLOY TARGET FOR PLASMA VAPOR DEPOSITION SYSTEMS	6589408	2003-07-08	10/107778	2002-03-27	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR PREVENTING DEFORMATION OF PATTERNED PHOTORESIST FEATURES	6589709	2003-07-08	09/819692	2001-03-28	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR REDUCING THE PITCH OF CONTACT HOLES, VIAS, AND TRENCH STRUCTURES IN INTEGRATED CIRCUITS	6589713	2003-07-08	09/771820	2001-01-29	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING METAL GATE STACK WITH ETCH ENDPOINT TRACER LAYER	6589858	2003-07-08	10/163534	2002-06-07	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR CALIBRATING ELECTRON BEAM DEFECT INSPECTION TOOL	6589860	2003-07-08	09/811190	2001-03-16	GLOBALFOUNDRIES Inc.	Granted
METAL GATE WITH PVD AMORPHOUS SILICON LAYER HAVING IMPLANTED DOPANTS FOR CMOS DEVICES AND METHOD OF MAKING WITH A REPLACEMENT GATE PROCESS	6589866	2003-07-08	09/691226	2000-10-19	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE OF AN EMBEDDED DRAM ON SOI SUBSTRATE	6590259	2003-07-08	10/000198	2001-11-02	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC PACKAGE	6590278	2003-07-08	10/043060	2002-01-08	GLOBALFOUNDRIES Inc.	Granted
ADAPTIVE TRANSMISSION SYSTEM IN A NETWORK	6590893	2003-07-08	09/286997	1999-04-07	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR DETERMINING BUFFERED STEINER TREES FOR COMPLEX CIRCUITS	6591411	2003-07-08	09/810075	2001-03-15	GLOBALFOUNDRIES Inc.	Granted
BOAT FOR CLEANING BALL GRID ARRAY PACKAGES	6591992	2003-07-15	10/227382	2002-08-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING ADDITIVES IN COPPER PLATING BATHS	6592747	2003-07-15	09/881817	2001-06-18	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR AND METHOD OF USING DEVELOPER AS A SOLVENT TO SPREAD PHOTORESIST FASTER AND REDUCE PHOTORESIST CONSUMPTION	6592939	2003-07-15	09/875596	2001-06-06	GLOBALFOUNDRIES Inc.	Granted
PELLICLE FOR USE IN SMALL WAVELENGTH LITHOGRAPHY AND A METHOD FOR MAKING SUCH A PELLICLE USING POLYMER FILMS	6593035	2003-07-15	09/771236	2001-01-26	GLOBALFOUNDRIES Inc.	Granted
EUV MASK OR RETICLE HAVING REDUCED REFLECTIONS	6593037	2003-07-15	09/847803	2001-05-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING A SHAPE OF AN OXIDE LAYER FORMED ON A SUBSTRATE	6593175	2003-07-15	09/809710	2001-03-14	GLOBALFOUNDRIES Inc.	Granted
SIDEWALL SPACER BASED FET ALIGNMENT TECHNOLOGY	6593197	2003-07-15	09/811733	2001-03-19	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED/MASKLESS REVERSE ETCH PROCESS USING AN INORGANIC FILM	6593210	2003-07-15	09/707214	2000-11-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PLANARIZING SURFACES OF SEMICONDUCTOR DEVICE CONDUCTIVE LAYERS	6593227	2003-07-15	09/851199	2001-05-08	GLOBALFOUNDRIES Inc.	Granted
RELAXED SIGE LAYERS ON SI OR SILICON-ON-INSULATOR SUBSTRATES BY ION IMPLANTATION AND THERMAL ANNEALING	6593625	2003-07-15	10/115160	2002-04-03	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ESTABLISHING COMPONENT ISOLATION REGIONS IN SOI SEMICONDUCTOR DEVICE	6593637	2003-07-15	09/809754	2001-03-13	GLOBALFOUNDRIES Inc.	Granted

PROCESS INTEGRATION OF ELECTRICAL THICKNESS MEASUREMENT OF GATE OXIDE AND TUNNEL OXIDES BY CORONA DISCHARGE TECHNIQUE	6593748	2003-07-15	09/904367	2001-07-12	GLOBALFOUNDRIES Inc.	Granted
MONITOR CMP PROCESS USING SCATTEROMETRY	6594024	2003-07-15	09/886863	2001-06-21	GLOBALFOUNDRIES Inc.	Granted
MECHANISM TO CLEAR MAC ADDRESS FROM ETHERNET SWITCH ADDRESS TABLE TO ENABLE NETWORK LINK FAIL-OVER ACROSS TWO NETWORK SEGMENTS	6594776	2003-07-15	09/604818	2000-06-28	GLOBALFOUNDRIES Inc.	Granted
SELECTIVELY ROUGHENING CONDUCTORS FOR HIGH FREQUENCY PRINTED WIRING BOARDS	6596384	2003-07-22	10/119458	2002-04-09	GLOBALFOUNDRIES Inc.	Granted
T-SHAPED GATE DEVICE AND METHOD FOR MAKING	6596598	2003-07-22	09/510813	2000-02-23	GLOBALFOUNDRIES Inc.	Granted
USE OF ORGANIC SPIN ON MATERIALS AS A STOP-LAYER FOR LOCAL INTERCONNECT, CONTACT AND VIA LAYERS	6596623	2003-07-22	09/527871	2000-03-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING COPPER INTERCONNECT CAPPING LAYERS WITH IMPROVED INTERFACE AND ADHESION	6596631	2003-07-22	09/626455	2000-07-26	GLOBALFOUNDRIES Inc.	Granted
CHEMICALLY PREVENTING CU DENDRITE FORMATION AND GROWTH BY IMMERSION	6596637	2003-07-22	09/206170	1998-12-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTACTING A SILICIDE-BASED SCHOTTKY DIODE AND DIODE SO FORMED	6597050	2003-07-22	09/574810	2000-05-19	GLOBALFOUNDRIES Inc.	Granted
DIFFERENTIAL SCSI DRIVER RISE TIME AND AMPLITUDE CONTROL CIRCUIT	6597223	2003-07-22	09/865830	2001-05-25	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PERIODIC CORRECTION OF METROLOGY DATA	6597447	2003-07-22	09/919293	2001-07-31	GLOBALFOUNDRIES Inc.	Granted
SYSTEM TO DETERMINE SUITABILITY OF SION ARC SURFACE FOR DUV RESIST PATTERNING	6597463	2003-07-22	09/880591	2001-06-13	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY HAVING CASCADED SUB-ENTRY ARCHITECTURE	6597596	2003-07-22	10/286206	2002-11-01	GLOBALFOUNDRIES Inc.	Granted
NANOPARTICLES FORMED WITH RIGID CONNECTOR COMPOUNDS	6599623	2003-07-29	10/056531	2002-01-24	GLOBALFOUNDRIES Inc.	Granted
CHIP AND WAFER INTEGRATION PROCESS USING VERTICAL CONNECTIONS	6599778	2003-07-29	10/026103	2001-12-19	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION FORMATION WITH ION IMPLANTATION	6599810	2003-07-29	09/186078	1998-11-05	GLOBALFOUNDRIES Inc.	Granted
PLASMA ETCH PROCESS FOR NONHOMOGENEOUS FILM THIN FILM ATTACHMENT TO LAMINATE USING A DENDRITIC INTERCONNECT	6599839	2003-07-29	09/773906	2001-02-02	GLOBALFOUNDRIES Inc.	Granted
COMPUTER SYSTEM INITIALIZATION WITH BOOT PROGRAM STORED IN SEQUENTIAL ACCESS MEMORY, CONTROLLED BY A BOOT LOADER TO CONTROL AND EXECUTE THE BOOT PROGRAM	6600224	2003-07-29	09/703062	2000-10-31	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR FAST INTERCONNECT DELAY ESTIMATION THROUGH ITERATIVE REFINEMENT	6601167	2003-07-29	09/483318	2000-01-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF INTEGRATING SCATTEROMETRY METROLOGY STRUCTURES DIRECTLY INTO DIE DESIGN	6601223	2003-07-29	09/675634	2000-09-29	GLOBALFOUNDRIES Inc.	Granted
SELF-ADJUSTING THICKNESS UNIFORMITY IN SOI BY HIGH-TEMPERATURE OXIDATION OF SIMOX AND BONDED SOI	6602723	2003-08-05	09/824285	2001-04-02	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION FOR THIN SILICON/SILICON-ON-INSULATOR SUBSTRATES BY UTILIZING POLYSILICON	6602757	2003-08-05	09/861594	2001-05-21	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR NON-CONTACT STRESS EVALUATION OF WAFER GATE DIELECTRIC RELIABILITY	6602759	2003-08-05	09/731620	2000-12-07	GLOBALFOUNDRIES Inc.	Granted
METAL SILICIDE GATE TRANSISTORS	6602772	2003-08-05	10/006969	2001-12-04	GLOBALFOUNDRIES Inc.	Granted
SILYLATION PROCESS FOR FORMING CONTACTS	6602781	2003-08-05	09/734207	2000-12-12	GLOBALFOUNDRIES Inc.	Granted
PLANARIZED PLASTIC PACKAGE MODULES FOR INTEGRATED CIRCUITS	6602794	2003-08-05	09/802437	2001-03-09	GLOBALFOUNDRIES Inc.	Granted
	6603195	2003-08-05	09/605173	2000-06-28	GLOBALFOUNDRIES Inc.	Granted

SLOT VIA FILLED DUAL DAMASCENE INTERCONNECT STRUCTURE WITHOUT MIDDLE ETCH STOP LAYER	6603206	2003-08-05	10/105509	2002-03-26	GLOBALFOUNDRIES Inc.	Granted
LOW-POWER STATIC COLUMN REDUNDANCY SCHEME FOR SEMICONDUCTOR MEMORIES	6603690	2003-08-05	10/091663	2002-03-06	GLOBALFOUNDRIES Inc.	Granted
PROVIDING GLOBAL TRANSLATIONS WITH ADDRESS SPACE NUMBERS	6604187	2003-08-05	09/596636	2000-06-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF USING DAMAGED AREAS OF A WAFER FOR PROCESS QUALIFICATIONS AND EXPERIMENTS, AND SYSTEM FOR ACCOMPLISHING SAME	6605479	2003-08-12	09/917327	2001-07-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING NICKEL SILICIDE USING A ONE-STEP RAPID THERMAL ANNEAL PROCESS AND BACKEND PROCESSING	6605513	2003-08-12	09/729699	2000-12-06	GLOBALFOUNDRIES Inc.	Granted
PLANAR FINNET PATTERNING USING AMORPHOUS CARBON SEMICONDUCTOR DEVICE WITH METAL GATE ELECTRODE AND SILICON OXYNITRIDE SPACER	6605514	2003-08-12	10/237824	2002-09-09	GLOBALFOUNDRIES Inc.	Granted
CVD PLASMA PROCESS TO FILL CONTACT HOLE IN DAMASCENE PROCESS	6605848	2003-08-12	10/246267	2002-09-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PERFORMING RUN-TO-RUN CONTROL IN A BATCH MANUFACTURING ENVIRONMENT	6605855	2003-08-12	09/650538	2000-08-30	GLOBALFOUNDRIES Inc.	Granted
PREPARATION OF HIGH-K NITRIDE SILICATE LAYERS BY CYCLIC MOLECULAR LAYER DEPOSITION	6607926	2003-08-19	09/371665	1999-08-10	GLOBALFOUNDRIES Inc.	Granted
DETERMINATION OF THERMAL RESISTANCE FOR FIELD EFFECT TRANSISTOR FORMED IN SOI TECHNOLOGY	6607973	2003-08-19	10/244204	2002-09-16	GLOBALFOUNDRIES Inc.	Granted
SINGLE POINT HIGH RESOLUTION TIME RESOLVED PHOTOEMISSION MICROSCOPY SYSTEM AND METHOD	6608352	2003-08-19	10/131904	2002-04-25	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR POLISHING A SEMICONDUCTOR WAFER	6608494	2003-08-19	09/205589	1998-12-04	GLOBALFOUNDRIES Inc.	Granted
FLUORINE-CONTAINING STYRENE ACRYLATE COPOLYMERS AND USE THEREOF IN LITHOGRAPHIC PHOTORESIST COMPOSITIONS	6609946	2003-08-26	09/616473	2000-07-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CORRELATING ERROR MODEL WITH DEFECT DATA	6610456	2003-08-26	09/794466	2001-02-26	GLOBALFOUNDRIES Inc.	Granted
LOCALLY INCREASING SIDEWALL DENSITY BY ION IMPLANTATION	6610550	2003-08-26	10/114782	2002-04-03	GLOBALFOUNDRIES Inc.	Granted
METHOD TO DEFINE AND TAILOR PROCESS LIMITED LITHOGRAPHIC FEATURES USING A MODIFIED HARD MASK PROCESS	6610594	2003-08-26	09/902024	2001-07-10	GLOBALFOUNDRIES Inc.	Granted
METHOD TO DEFINE AND TAILOR PROCESS LIMITED LITHOGRAPHIC FEATURES USING A MODIFIED HARD MASK PROCESS	6610607	2003-08-26	09/578362	2000-05-25	GLOBALFOUNDRIES Inc.	Granted
PLASMA ETCHING USING COMBINATION OF CHEMICAL CHIEF FIELD EFFECT TRANSISTOR WITH SELF ALIGNED DOUBLE GATE AND METHOD OF FORMING SAME	6610608	2003-08-26	09/809300	2001-03-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS HAVING A SYSTEM BIOS WRITE CONFIGURATION DATA OF A RISER CARD TO A CONTROLLER CONFIGURATION SPACE WHEN CONNECTING THE RISER CARD TO A MOTHERBOARD	6611023	2003-08-26	09/846502	2001-05-01	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MANUFACTURING A BUILT-UP CIRCUIT BOARD	6611912	2003-08-26	09/498156	2000-02-04	GLOBALFOUNDRIES Inc.	Granted
FORUS POWER AND GROUND PLANES FOR REDUCED PCB DELAMINATION AND BETTER RELIABILITY	6612028	2003-09-02	09/699977	2000-10-30	GLOBALFOUNDRIES Inc.	Granted
SURFACE PLASMON RESONANCE-BASED ENDPOINT DETECTION FOR CHEMICAL MECHANICAL PLANARIZATION (CMP)	6613413	2003-09-02	09/300762	1999-04-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR FORMING A THERMOELEMENT FOR A THERMOELECTRIC COOLER	6613594	2003-09-02	10/040325	2001-11-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR FORMING A THERMOELEMENT FOR A THERMOELECTRIC COOLER	6613602	2003-09-02	10/015239	2001-12-13	GLOBALFOUNDRIES Inc.	Granted

STRUCTURE, AND A METHOD OF REALIZING, FOR EFFICIENT HEAT REMOVAL ON SOI	6613643	2003-09-02	10/155044	2002-05-24	GLOBALFOUNDRIES Inc.	Granted
BRSG, SA-CVD LINER/P-HDP GAP FILL	6613657	2003-09-02	10/231133	2002-08-30	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR HAVING A GATE STACK COMPRISED OF A METAL, AND A METHOD OF MAKING SAME	6614064	2003-09-02	10/060422	2002-01-30	GLOBALFOUNDRIES Inc.	Granted
ALL-IN-ONE DISPOSABLE/PERMANENT SPACER ELEVATED SOURCE/RAIN, SELF-ALIGNED SILICIDE CMOS	6614079	2003-09-02	09/909307	2001-07-19	GLOBALFOUNDRIES Inc.	Granted
VERTICAL CACHE CONFIGURATION	6614121	2003-09-02	09/643072	2000-08-21	GLOBALFOUNDRIES Inc.	Granted
FRACTIONAL INTEGRATION AND PROPORTIONAL MULTIPLIER CONTROL TO ACHIEVE DESIRED LOOP DYNAMICS	6614316	2003-09-02	09/826591	2001-04-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING FEATURE CHARACTERISTICS USING SCATTEROMETRY	6614540	2003-09-02	09/894048	2001-06-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING A TOOL USING A BASELINE CONTROL SCRIPT	6615098	2003-09-02	09/789871	2001-02-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR HOLDING FALLING INFORMATION OF A MEMORY BUILT-IN SELF-TEST	6615378	2003-09-02	09/504899	2000-02-16	GLOBALFOUNDRIES Inc.	Granted
FORMING A PATTERN OF A NEGATIVE PHOTORESIST	6617086	2003-09-09	09/796445	2001-03-02	GLOBALFOUNDRIES Inc.	Granted
USE OF SCATTEROMETRY TO MEASURE PATTERN ACCURACY	6617087	2003-09-09	09/893272	2001-06-27	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING AN EPITAXIAL BASE BIPOLAR TRANSISTOR WITH RAISED EXTRINSIC BASE	6617220	2003-09-09	09/810856	2001-03-16	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURES CONTAINING STRESS ADJUSTMENT CAP LAYER	6617690	2003-09-09	10/218292	2002-08-14	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY (CAM) WITH ERROR CHECKING AND CORRECTION (ECC) CAPABILITY	6618281	2003-09-09	10/146154	2002-05-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MAINTAINING RANDOMLY ACCESSIBLE FREE BUFFER INFORMATION FOR A NETWORK SWITCH	6618390	2003-09-09	09/316084	1999-05-21	GLOBALFOUNDRIES Inc.	Granted
COMPUTER INTERCONNECTION BUS LINK LAYER	6618782	2003-09-09	09/326304	1999-06-04	GLOBALFOUNDRIES Inc.	Granted
FINE PITCH CIRCUITIZATION WITH FILLED PLATED THROUGH HOLES	6618940	2003-09-16	09/909211	2001-07-19	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR FRONT SIDE CHEMICAL MECHANICAL PLANARIZATION (CMP) OF SEMICONDUCTOR WORKPIECES	6620029	2003-09-16	10/059775	2002-01-30	GLOBALFOUNDRIES Inc.	Granted
APPARATUS TO EVALUATE HOT CARRIER INJECTION PERFORMANCE DEGRADATION AND METHOD THEREFOR	6620639	2003-09-16	09/693292	2000-10-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING TRANSISTOR HAVING A SINGLE CRYSTALLINE GATE CONDUCTOR	6620671	2003-09-16	09/846813	2001-05-01	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHODS FOR PROCESS INTEGRATION IN VERTICAL DRAM CELL FABRICATION	6620676	2003-09-16	09/895672	2001-06-29	GLOBALFOUNDRIES Inc.	Granted
MOS TRANSISTORS WITH HIGH-K DIELECTRIC GATE INSULATOR FOR REDUCING REMOTE SCATTERING	6621114	2003-09-16	10/151269	2002-05-20	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE FABRICATED BY REDUCING CARBON, SULFUR, AND OXYGEN IMPURITIES IN A CALCIUM-DOPED COPPER SURFACE	6621165	2003-09-16	10/154871	2002-05-23	GLOBALFOUNDRIES Inc.	Granted
SOI DIE ANALYSIS OF CIRCUITRY LOGIC STATES VIA COUPLING THROUGH THE INSULATOR	6621281	2003-09-16	09/755012	2001-01-05	GLOBALFOUNDRIES Inc.	Granted
REDUNDANT ANTIFUSE SEGMENTS FOR IMPROVED PROGRAMMING EFFICIENCY	6621324	2003-09-16	10/0683808	2002-02-19	GLOBALFOUNDRIES Inc.	Granted
PHASE LOCKED LOOP RECONFIGURATION	6621353	2003-09-16	10/053033	2001-11-07	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED PROCESS MONITORING AND ANALYSIS SYSTEM FOR SEMICONDUCTOR PROCESSING	6622059	2003-09-16	09/548779	2000-04-13	GLOBALFOUNDRIES Inc.	Granted

METHOD AND APPARATUS FOR RUN-TO-RUN CONTROLLING OF OVERLAY REGISTRATION	6622061	2003-09-16	101/160963	2002-05-31	GLOBALFOUNDRIES Inc.	Granted
WAFER ROTATION IN SEMICONDUCTOR PROCESSING	6622111	2003-09-16	09/521046	2000-03-08	GLOBALFOUNDRIES Inc.	Granted
SCHEDULER WHICH RETRIES LOAD/STORE HIT SITUATIONS	6622235	2003-09-16	09/476204	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
STORE TO LOAD FORWARD PREDICTOR TRAINING USING DELTA TAG	6622237	2003-09-16	09/476192	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
WAFER EDGE CLEANING UTILIZING POLISH PAD MATERIAL	6622334	2003-09-23	09/537206	2000-03-29	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR FACILITATING SELECTION OF OPTIMIZED OPTICAL PROXIMITY CORRECTION	6622547	2003-09-23	10/196797	2002-07-17	GLOBALFOUNDRIES Inc.	Granted
SACRIFICIAL SEED LAYER PROCESS FOR FORMING C4 SOLDER BUMPS	6622907	2003-09-23	10/078948	2002-02-19	GLOBALFOUNDRIES Inc.	Granted
PELLICLE FOR USE IN EUV LITHOGRAPHY AND A METHOD OF MAKING SUCH A PELLICLE	6623893	2003-09-23	09/770730	2001-01-26	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CALIBRATING OPTICAL-BASED METROLOGY TOOLS	6623994	2003-09-23	10/255509	2002-09-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A SEMICONDUCTOR DEVICE BY CALCIUM DOPING A COPPER SURFACE USING A CHEMICAL SOLUTION	6624074	2003-09-23	10/218532	2002-08-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING ELECTROMIGRATION IN A COPPER LINE BY ZINC-DOPING OF A COPPER SURFACE FROM AN ELECTROPLATED COPPER-ZINC ALLOY THIN FILM AND A SEMICONDUCTOR DEVICE THEREBY FORMED	6624075	2003-09-23	10/288862	2002-11-05	GLOBALFOUNDRIES Inc.	Granted
SILICON ON INSULATOR FIELD EFFECT TRANSISTORS HAVING SHARED BODY CONTACT	6624459	2003-09-23	09/547893	2000-04-12	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR (SOI) SUBSTRATE HAVING SELECTIVE DOPANT IMPLANT IN INSULATOR LAYER AND METHOD OF FABRICATING	6624476	2003-09-23	10/134973	2002-04-29	GLOBALFOUNDRIES Inc.	Granted
HIGH MOBILITY TRANSISTORS IN SOI AND METHOD FOR FORMING	6624478	2003-09-23	09/683656	2002-01-30	GLOBALFOUNDRIES Inc.	Granted
METAL BRIDGING MONITOR FOR ETCH AND CMP ENDPOINT DETECTION	6624642	2003-09-23	10/016252	2001-12-10	GLOBALFOUNDRIES Inc.	Granted
KERF CIRCUIT FOR MODELING OF BEOL CAPACITANCES	6624651	2003-09-23	09/684849	2000-10-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR OPERATING A NETWORK SWITCH IN A CPU-LESS ENVIRONMENT	6625146	2003-09-23	09/321833	1999-05-28	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD IN A NETWORK SWITCH PORT FOR TRANSFERRING DATA BETWEEN BUFFER MEMORY AND TRANSMIT AND RECEIVE STATE MACHINES ACCORDING TO A PRESCRIBED INTERPACE PROTOCOL	6625157	2003-09-23	09/314977	1999-05-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PERFORMING FINAL CRITICAL DIMENSION CONTROL	6625512	2003-09-23	09/625140	2000-07-25	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR AUTOMATED SYSTEM LEVEL TESTING	6625758	2003-09-23	09/604267	2000-06-26	GLOBALFOUNDRIES Inc.	Granted
ELECTROPLATING APPARATUS WITH VERTICAL ELECTRICAL CONTACT	6627052	2003-09-30	09/734830	2000-12-12	GLOBALFOUNDRIES Inc.	Granted
RESIST COMPOSITIONS CONTAINING LACTONE ADDITIVES	6627391	2003-09-30	09/639785	2000-08-16	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DESIGNING AND STRUCTURE FOR VISUAL AND ELECTRICAL TEST OF SEMICONDUCTOR DEVICES/DETECTION	6627926	2003-09-30	09/788631	2001-02-16	GLOBALFOUNDRIES Inc.	Granted
FLOATING GATE MEMORY DEVICE USING COMPOSITE MOLECULAR MATERIAL	6627944	2003-09-30	10/139331	2002-05-07	GLOBALFOUNDRIES Inc.	Granted
COMPARATOR HAVING REDUCED SENSITIVITY TO OFFSET VOLTAGE AND TIMING ERRORS	6628147	2003-09-30	10/185129	2002-06-27	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT FOR TUNING AN ACTIVE FILTER	6628163	2003-09-30	10/185146	2002-06-27	GLOBALFOUNDRIES Inc.	Granted
WAFER-LESS QUALIFICATION OF A PROCESSING TOOL	6629012	2003-09-30	09/478403	2000-01-06	GLOBALFOUNDRIES Inc.	Granted

SYSTEM AND METHOD FOR CONTROLLING BUS ACCESS FOR BUS AGENTS HAVING VARYING PRIORITIES	6629178	2003-09-30	09/595598	2000-06-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR AUTOMATIC TRANSMIT VERIFICATION	6629290	2003-09-30	09/531519	2000-03-21	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED PROGRAMMABLE PROCESS AND METHOD FOR THE IMPROVEMENT OF ELECTRICAL DIGITAL SIGNAL TRANSITION RATES IN A VIAS DESIGN	6629298	2003-09-30	09/437844	1999-11-10	GLOBALFOUNDRIES Inc.	Granted
ADVANCED PROCESS CONTROL (APC) OF COPPER THICKNESS FOR CHEMICAL MECHANICAL PLANARIZATION (CMP) OPTIMIZATION	6630360	2003-10-07	10/044641	2002-01-10	GLOBALFOUNDRIES Inc.	Granted
USE OF SCATTEROMETRY FOR IN-SITU CONTROL OF GASEOUS PHASE CHEMICAL TRIM PROCESS	6630361	2003-10-07	09/894701	2001-06-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PERFORMING TRENCH DEPTH ANALYSIS	6630362	2003-10-07	09/880990	2001-06-13	GLOBALFOUNDRIES Inc.	Granted
MOSFET WITH DIFFERENTIAL HALO IMPLANT AND ANNEALING STRATEGY	6630385	2003-10-07	09/844773	2001-04-27	GLOBALFOUNDRIES Inc.	Granted
REDUCING FEATURE DIMENSION USING SELF-ASSEMBLED MONOLAYER	6630404	2003-10-07	10/097819	2002-03-14	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC LENS HAVING GLASSY GRAPHITE ELECTRODES	6630677	2003-10-07	09/943570	2001-08-29	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR WITH DYNAMIC SOURCE/DRAIN EXTENSIONS	6630712	2003-10-07	09/372705	1999-08-11	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRICAL MOSFET LAYOUT FOR HIGH CURRENTS AND HIGH SPEED OPERATION	6630715	2003-10-07	09/968219	2001-10-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING ELECTROMIGRATION BY ORDERING ZINC-DOPING IN AN ELECTROPLATED COPPER-ZINC INTERCONNECT AND A SEMICONDUCTOR DEVICE THEREBY FORMED	6630741	2003-10-07	10/016645	2001-12-07	GLOBALFOUNDRIES Inc.	Granted
RECORDING, STORING, AND EMULATING USER INTERACTION EVENTS	6631345	2003-10-07	09/373880	1999-08-12	GLOBALFOUNDRIES Inc.	Granted
FLEXIBLE PROBE/PROBE RESPONSE ROUTING FOR MAINTAINING COHERENCY	6631401	2003-10-07	09/217367	1998-12-21	GLOBALFOUNDRIES Inc.	Granted
ION GUN DEPOSITION AND ALIGNMENT FOR LIQUID-CRYSTAL APPLICATIONS	6632483	2003-10-14	09/608798	2000-06-30	GLOBALFOUNDRIES Inc.	Granted
SOLENOID ELECTRON BEAM LENSES WITH HIGH DEMAGNETICATION AND LOW ABERRATIONS	6633040	2003-10-14	10/132896	2002-04-25	GLOBALFOUNDRIES Inc.	Granted
X-RAY REFLECTANCE SYSTEM TO DETERMINE SUITABILITY OF STION ARC LAYER	6633392	2003-10-14	10/052142	2002-01-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING METALLIC Z-INTERCONNECTS FOR LAMINATE CHIP PACKAGES AND BOARDS	6634543	2003-10-21	10/040839	2002-01-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING MICRO-ELECTROMECHANICAL SWITCHES ON CMOS COMPATIBLE SUBSTRATES	6635506	2003-10-21	10/014660	2001-11-07	GLOBALFOUNDRIES Inc.	Granted
SOI FET AND METHOD FOR CREATING FET BODY CONNECTIONS WITH HIGH-QUALITY MATCHING CHARACTERISTICS AND NO AREA PENALTY FOR PARTIALLY DEPLETED SOI TECHNOLOGIES	6635518	2003-10-21	09/825704	2001-04-04	GLOBALFOUNDRIES Inc.	Granted
COMPACT BODY FOR SILICON-ON-INSULATOR TRANSISTORS REQUIRING NO ADDITIONAL LAYOUT AREA	6635542	2003-10-21	09/879579	2001-06-12	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR ANALYSIS ARRANGEMENT AND METHOD THEREFOR	6635839	2003-10-21	09/838672	2001-04-19	GLOBALFOUNDRIES Inc.	Granted
PREDICTOR MISS DECODER UPDATING LINE PREDICTOR STORING INSTRUCTION FETCH ADDRESS AND ALIGNMENT INFORMATION UPON INSTRUCTION DECODE TERMINATION CONDITION	6636959	2003-10-21	09/416275	1999-10-14	GLOBALFOUNDRIES Inc.	Granted

METHOD AND STRUCTURE FOR PRODUCING Z-AXIS INTERCONNECTION ASSEMBLY OF PRINTED WIRING BOARD ELEMENTS	6638607	2003-10-28	10/285162	2002-10-30	GLOBALFOUNDRIES Inc.	Granted
ELECTRON SCATTER IN A THIN MEMBRANE TO ELIMINATE DETECTOR SATURATION	6639219	2003-10-28	10/045445	2001-11-09	GLOBALFOUNDRIES Inc.	Granted
MONOLITHICALLY INTEGRATED SOLID-STATE SICE THERMOELECTRIC ENERGY CONVERTER FOR HIGH SPEED AND LOW POWER CIRCUITS	6639242	2003-10-28	10/064303	2002-07-01	GLOBALFOUNDRIES Inc.	Granted
STRESS REDUCTION IN FLIP-CHIP PBGA PACKAGING BY UTILIZING SEGMENTED CHIP CARRIES	6639302	2003-10-28	10/103602	2002-03-20	GLOBALFOUNDRIES Inc.	Granted
BALL GRID ARRAY MODULE	6639304	2003-10-28	09/638729	2000-08-14	GLOBALFOUNDRIES Inc.	Granted
MEMS RF SWITCH WITH LOW ACTUATION VOLTAGE	6639488	2003-10-28	09/948478	2001-09-07	GLOBALFOUNDRIES Inc.	Granted
HEAT SINK SUBASSEMBLY	6639800	2003-10-28	10/135502	2002-04-30	GLOBALFOUNDRIES Inc.	Granted
IMMEDIATE NEGATIVE ACKNOWLEDGEMENT FOR A COMMUNICATION NETWORK	6640325	2003-10-28	09/577677	2000-05-22	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING AN ETCH ENDPOINT	6641747	2003-11-04	09/783204	2001-02-15	GLOBALFOUNDRIES Inc.	Granted
NONLITHOGRAPHIC METHOD TO PRODUCE MASKS BY SELECTIVE REACTION, ARTICLES PRODUCED, AND COMPOSITION FOR SAME	6641899	2003-11-04	10/287935	2002-11-05	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED PROCESS FOR DEPOSITING LAYER OF HIGH-K DIELECTRIC WITH IN-SITU CONTROL OF K VALUE AND THICKNESS OF HIGH-K DIELECTRIC LAYER	6642066	2003-11-04	10/145942	2002-05-15	GLOBALFOUNDRIES Inc.	Granted
FIN FET DEVICES FROM BULK SEMICONDUCTOR AND METHOD FOR FORMING	6642090	2003-11-04	10/063994	2002-06-03	GLOBALFOUNDRIES Inc.	Granted
SILICIDE MOSFET ARCHITECTURE AND METHOD OF MANUFACTURE	6642119	2003-11-04	10/215171	2002-08-08	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ULTRA THIN RESIST LINEWIDTH REDUCTION USING IMPLANTATION	6642152	2003-11-04	09/812206	2001-03-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING THE EXTRINSIC BODY RESISTANCE IN A SILICON-ON-INSULATOR BODY CONTACTED MOSFET	6642579	2003-11-04	09/940297	2001-08-28	GLOBALFOUNDRIES Inc.	Granted
METAL GATE WITH PVD AMORPHOUS SILICON LAYER AND BARRIER LAYER FOR CMOS DEVICES AND METHOD OF MAKING WITH A REPLACEMENT GATE PROCESS	6642590	2003-11-04	09/691227	2000-10-19	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR ADHESION IMPROVEMENT AT AN INTERFACE BETWEEN FLUORINE DOPED SILICON OXIDE AND TANTALUM	6642619	2003-11-04	09/614300	2000-07-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DETECTING DEGRADATION IN PHOTOLITHOGRAPHY PROCESSES BASED UPON SCATTEROMETRIC MEASUREMENTS OF GRATING STRUCTURES, AND A DEVICE COMPRISING SUCH STRUCTURES	6643008	2003-11-04	10/083699	2002-02-26	GLOBALFOUNDRIES Inc.	Granted
UNIVERSAL BOOT CODE FOR A COMPUTER NETWORK	6643772	2003-11-04	09/615767	2000-07-13	GLOBALFOUNDRIES Inc.	Granted
STABILITY TEST FOR SILICON ON INSULATOR SRAM MEMORY CELLS UTILIZING BITLINE PRECHARGE STRESS OPERATIONS TO STRESS MEMORY CELLS UNDER TEST	6643804	2003-11-04	09/552410	2000-04-19	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR PRODUCING Z-AXIS INTERCONNECTION ASSEMBLY OF PRINTED WIRING BOARD ELEMENTS	6645607	2003-11-11	10/213646	2002-08-06	GLOBALFOUNDRIES Inc.	Granted
ATTENUATED PHASE SHIFT MASK FOR USE IN EUV LITHOGRAPHY AND A METHOD OF MAKING SUCH A MASK	6645679	2003-11-11	09/803853	2001-03-12	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR COMBINING INTEGRATED AND OFFLINE METROLOGY FOR PROCESS CONTROL	6645780	2003-11-11	10/022321	2001-12-13	GLOBALFOUNDRIES Inc.	Granted

METHOD FOR FORMING FINS IN A FINFET DEVICE USING SACRIFICIAL CARBON LAYER	6645797	2003-11-11	10/210926	2002-12-06	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO PRESERVE STI DURING ETCHING	6645867	2003-11-11	09/864974	2001-05-24	GLOBALFOUNDRIES Inc.	Granted
PREPARATION OF COMPOSITE HIGH-K/STANDARD-K DIELECTRICS FOR SEMICONDUCTOR DEVICES	6645882	2003-11-11	10/051790	2002-01-17	GLOBALFOUNDRIES Inc.	Granted
MOLECULAR ELECTRONIC DEVICE USING METAL-METAL BONDED COMPLEXES	6646285	2003-11-11	10/117789	2002-04-05	GLOBALFOUNDRIES Inc.	Granted
GROUNDING BODY SOI SRAM CELL	6646305	2003-11-11	09/915061	2001-07-25	GLOBALFOUNDRIES Inc.	Granted
WORD LINE DRIVER FOR DYNAMIC RANDOM ACCESS MEMORIES	6646949	2003-11-11	09/537498	2000-03-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR AUTOMATED GENERATION OF TEST SEMICONDUCTOR WAFERS	6647309	2003-11-11	09/577403	2000-05-22	GLOBALFOUNDRIES Inc.	Granted
TRAINING LINE PREDICTOR FOR BRANCH TARGETS	6647490	2003-11-11	09/419832	1999-10-14	GLOBALFOUNDRIES Inc.	Granted
DEVICE FOR CONTACTING AND/OR MODIFYING A SURFACE HAVING A CANTILEVER AND A METHOD FOR PRODUCTION OF SAID CANTILEVERMEDIA	6647766	2003-11-18	09/745273	2000-12-20	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR WAFER CLEANING	6648979	2003-11-18	09/768833	2001-01-24	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR ACTIVE CONTROL OF SPACER DEPOSITION	6649426	2003-11-18	09/893824	2001-06-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING A SEED LAYER WITH ANNEALED REGION FOR INTEGRATED CIRCUIT INTERCONNECTS	6649511	2003-11-18	10/272760	2002-10-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR INCREASING A VERY-LARGE-SCALE-INTEGRATED (VLSI) CAPACITOR SIZE ON BULK SILICON AND SILICON-ON-INSULATOR (SOI) WAFERS AND STRUCTURE FORMED THEREBY	6649959	2003-11-18	09/996731	2001-11-30	GLOBALFOUNDRIES Inc.	Granted
UNIQUE FEATURE DESIGN ENABLING STRUCTURAL INTEGRITY FOR ADVANCED LOW K SEMICONDUCTOR CHIPS	6650010	2003-11-18	10/078174	2002-02-15	GLOBALFOUNDRIES Inc.	Granted
RECESSED BOND PAD	6650021	2003-11-18	10/005951	2001-12-03	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT DEVICE DEFECT DETECTION METHOD AND APPARATUS EMPLOYING LIGHT EMISSION IMAGING	6650130	2003-11-18	09/386572	1999-08-31	GLOBALFOUNDRIES Inc.	Granted
BAND-SHIFTED LIQUID CRYSTAL STRUCTURE FOR PROJECTION OF IMAGES WITHOUT SPECTRAL DISTORTION	6650383	2003-11-18	09/578272	2000-05-25	GLOBALFOUNDRIES Inc.	Granted
SCATTEROMETRY TECHNIQUES TO ASCERTAIN ASYMMETRY PROFILE OF FEATURES AND GENERATE A FEEDBACK OR FEEDFORWARD PROCESS CONTROL DATA ASSOCIATED THEREWITH	6650422	2003-11-18	09/817820	2001-03-26	GLOBALFOUNDRIES Inc.	Granted
HIGH RELIABILITY CONTENT-ADDRESSABLE MEMORY USING SHADOW CONTENT-ADDRESSABLE MEMORY	6650561	2003-11-18	10/059863	2002-01-30	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR TIMING RECOVERY FROM A SAMPLED AND EQUALIZED DATA SIGNAL	6650699	2003-11-18	09/234767	1999-01-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING A SAMPLING PLAN BASED ON PROCESS AND EQUIPMENT FINGERPRINTING	6650955	2003-11-18	10/024675	2001-12-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR RUN-TO-RUN CONTROL OF DEPOSITION PROCESS	6650957	2003-11-18	09/476696	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
EXCEPTION HANDLING WITH REDUCED OVERHEAD IN A MULTITHREADED MULTIPROCESSING SYSTEM	6651163	2003-11-18	09/521248	2000-03-08	GLOBALFOUNDRIES Inc.	Granted
MULTI-PHASE ERROR READING FOR NETWORK INTERFACE INITIALIZATION	6651172	2003-11-18	09/321842	1999-05-28	GLOBALFOUNDRIES Inc.	Granted
GENERATION OF REFINED SWITCHING WINDOWS IN STATIC TIMING ANALYSIS	6651229	2003-11-18	09/682707	2001-10-09	GLOBALFOUNDRIES Inc.	Granted

METHOD OF REMOVING SILICONE POLYMER DEPOSITS FROM ELECTRONIC COMPONENTS	6652665	2003-11-25	10/160627	2002-05-31	GLOBALFOUNDRIES Inc.	Granted
RADIATION SENSITIVE SILICON-CONTAINING NEGATIVE RESISTS AND USE THEREOF	6653045	2003-11-25	09/785609	2001-02-16	GLOBALFOUNDRIES Inc.	Granted
HIGH SILICON CONTENT MONOMERS AND POLYMERS SUITABLE FOR 193 NM BILAYER RESISTS	6653048	2003-11-25	10/138498	2002-05-06	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR REDUCING THE CRITICAL DIMENSIONS OF INTEGRATED CIRCUIT DEVICE FEATURES	6653231	2003-11-25	09/819344	2001-03-28	GLOBALFOUNDRIES Inc.	Granted
MAGNETIC MEMORY WITH TUNNEL JUNCTION MEMORY CELLS AND PHASE TRANSITION MATERIAL FOR CONTROLLING CURRENT TO THE CELLS	6653704	2003-11-25	10/254432	2002-09-24	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECTION STRUCTURE AND METHOD FOR FABRICATING SAME	6653737	2003-11-25	10/159181	2002-05-31	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR CONVERTING OPTICAL BEAMS TO COLLIMATED FLAT-TOP BEAMS	6654183	2003-11-25	09/917370	2001-07-27	GLOBALFOUNDRIES Inc.	Granted
CONTROLLING THERMAL EXPANSION OF MASK SUBSTRATES BY SCATTEROMETRY	6654660	2003-11-25	10/287292	2002-11-04	GLOBALFOUNDRIES Inc.	Granted
METHOD TO DETERMINE RETRIES FOR PARALLEL ECC CORRECTION IN A PIPELINE	6654925	2003-11-25	09/650153	2000-08-29	GLOBALFOUNDRIES Inc.	Granted
GROOVED POLISHING PADS AND METHODS OF USE	6656019	2003-12-02	09/668142	2000-09-25	GLOBALFOUNDRIES Inc.	Granted
PROCESS OF FABRICATING A PRECISION MICROCONTACT PRINTING STAMP	6656308	2003-12-02	10/127374	2002-04-22	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR IMPROVED ADHESION BETWEEN TWO POLYMER FILMS	6656313	2003-12-02	09/878474	2001-06-11	GLOBALFOUNDRIES Inc.	Granted
THERMAL PASTE FOR LOW TEMPERATURE APPLICATIONS	6656389	2003-12-02	09/895650	2001-06-29	GLOBALFOUNDRIES Inc.	Granted
IN-SITU MONITORING DURING LASER THERMAL ANNEALING	6656749	2003-12-02	10/013354	2001-12-13	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING AN IMPROVED LOCAL INTERCONNECT STRUCTURE AND A METHOD FOR FORMING SUCH A DEVICE	6656825	2003-12-02	10/285004	2002-10-31	GLOBALFOUNDRIES Inc.	Granted
DUAL DAMASCENE WITH SILICON CARBIDE MIDDLE ETCH STOP LAYER/ARC	6656830	2003-12-02	09/777695	2001-02-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PERFORMING A TWO STAGE ANNEAL IN THE FORMATION OF AN ALLOY INTERCONNECT	6656836	2003-12-02	10/0100395	2002-03-18	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON MOSFET HAVING SILICON SOURCE/DRAIN REGIONS AND METHOD FOR ITS FABRICATION	6657223	2003-12-02	10/282538	2002-10-29	GLOBALFOUNDRIES Inc.	Granted
FINFET CMOS WITH NVRAM CAPABILITY	6657252	2003-12-02	10/063095	2002-03-19	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE-PLANE FINFET CMOS	6657259	2003-12-02	10/011846	2001-12-04	GLOBALFOUNDRIES Inc.	Granted
GROUND-PLANE DEVICE WITH BACK OXIDE TOPOGRAPHY	6657261	2003-12-02	09/757317	2001-01-09	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION (STI) REGION WITH HIGH-K LINER AND METHOD OF FORMATION	6657276	2003-12-02	10/163925	2002-06-06	GLOBALFOUNDRIES Inc.	Granted
PICOSECOND IMAGING CIRCUIT ANALYSIS PROBE AND SYSTEM	6657446	2003-12-02	09/409974	1999-09-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETECTING NECKING OVER FIELD/ACTIVE TRANSITIONS	6657716	2003-12-02	09/863598	2001-05-23	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY THERMAL SOLUTION FOR DIRECT ATTACH MODULES	6657864	2003-12-02	10/320845	2002-12-16	GLOBALFOUNDRIES Inc.	Granted
SPLIT LOCAL AND CONTINUOUS BITLINE FOR FAST DOMINO READ SRAM	6657886	2003-12-02	10/140549	2002-05-07	GLOBALFOUNDRIES Inc.	Granted
COMPILABLE ADDRESS MAGNITUDE COMPARATOR FOR MEMORY ARRAY SELF-TESTING	6658610	2003-12-02	09/669117	2000-09-25	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED SYSTEM-ON-CHIP INTEGRATED CIRCUIT DESIGN VERIFICATION SYSTEM	6658633	2003-12-02	09/969675	2001-10-03	GLOBALFOUNDRIES Inc.	Granted

METHOD OF MEASURING IMPLANT PROFILES USING SCATTEROMETRIC TECHNIQUES WHEREIN DISPERSION COEFFICIENTS ARE VARIED BASED UPON DEPTH	6660543	2003-12-09	10/284996	2002-10-31	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING HETEROJUNCTION BIPOLAR TRANSISTORS	6660507	2003-12-09	09/822587	2001-03-30	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING ELECTROMIGRATION IN A COPPER LINE BY ELECTROPLATING AN INTERIM COPPER-ZINC ALLOY THIN FILM ON A COPPER SURFACE AND A SEMICONDUCTOR DEVICE THEREBY FORMED	6660633	2003-12-09	10/083809	2002-02-26	GLOBALFOUNDRIES Inc.	Granted
LOW DIELECTRIC CONSTANT POLYMER AND MONOMERS USED IN THEIR FORMATION	6660820	2003-12-09	10/205278	2002-07-24	GLOBALFOUNDRIES Inc.	Granted
MICRO-ELECTROMECHANICAL VARACTOR WITH ENHANCED TUNING RANGE	6661069	2003-12-09	10/278211	2002-10-22	GLOBALFOUNDRIES Inc.	Granted
LOW IMPEDANCE POWER DISTRIBUTION STRUCTURE FOR A SEMICONDUCTOR CHIP PACKAGE	6661100	2003-12-09	10/210631	2002-07-30	GLOBALFOUNDRIES Inc.	Granted
METHOD TO ACHIEVE LOW AND STABLE FERROMAGNETIC COUPLING FIELD	6661622	2003-12-09	09/618167	2000-07-17	GLOBALFOUNDRIES Inc.	Granted
MANAGEMENT OF MOVE REQUESTS FROM A FACTORY SYSTEM TO AN AUTOMATED MATERIAL HANDLING SYSTEM	6662076	2003-12-09	09/247659	1999-02-10	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP DIAGNOSTIC SYSTEM, INTEGRATED CIRCUIT AND METHOD	6662347	2003-12-09	10/160300	2002-05-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING AN ANTENNA AND A RADIO FREQUENCY TRANSDUCER	6662430	2003-12-16	09/883433	2001-06-18	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING HIGH ASPECT RATIO PHOTOLITHOGRAPHIC FEATURES	6664026	2003-12-16	09/815540	2001-03-22	GLOBALFOUNDRIES Inc.	Granted
METHOD OF USING AMORPHOUS CARBON FILM AS A SACRIFICIAL LAYER IN REPLACEMENT GATE INTEGRATION PROCESSES	6664154	2003-12-16	10/183320	2002-06-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING SMALLER TRENCH LINE WIDTH USING A SPACER HARD MASK	6664180	2003-12-16	09/824415	2001-04-02	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED BARRIER FORMED WITH AN ALLOY HAVING AT LEAST TWO DOPANT ELEMENTS FOR MINIMIZED RESISTANCE OF INTERCONNECT	6664185	2003-12-16	10/132235	2002-04-25	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FILM DEPOSITION, AND FABRICATION OF STRUCTURES	6664186	2003-12-16	09/676882	2000-09-29	GLOBALFOUNDRIES Inc.	Granted
LASER THERMAL ANNEALING FOR CU SEED LAYER ENHANCEMENT	6664187	2003-12-16	10/114462	2002-04-03	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE CAPACITOR HAVING A RECESSED PLATE	6664581	2003-12-16	10/382736	2003-03-05	GLOBALFOUNDRIES Inc.	Granted
BIN MEMORY CELL AND METHOD OF FABRICATION	6664582	2003-12-16	10/063330	2002-04-12	GLOBALFOUNDRIES Inc.	Granted
POLYSILICON BACK-GATED SOI MOSFET FOR DYNAMIC THRESHOLD VOLTAGE CONTROL	6664598	2003-12-16	10/235169	2002-09-05	GLOBALFOUNDRIES Inc.	Granted
METAL GATE STACK WITH ETCH STOP LAYER	6664604	2003-12-16	10/273306	2002-10-18	GLOBALFOUNDRIES Inc.	Granted
REDUCING LATENCY FOR A RELOCATION CACHE LOOKUP AND ADDRESS MAPPING IN A DISTRIBUTED MEMORY SYSTEM	6665788	2003-12-16	09/905448	2001-07-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING CMP PAD CONDITIONER EFFECTIVENESS	6666754	2003-12-23	09/484604	2000-01-18	GLOBALFOUNDRIES Inc.	Granted
ETCH DAMAGE REPAIR WITH THERMAL ANNEALING	6667243	2003-12-23	10/222248	2002-08-16	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR LATERAL P-I-N PHOTODETECTOR WITH A REFLECTING MIRROR AND BACKSIDE CONTACT AND METHOD FOR FORMING THE SAME	6667528	2003-12-23	10/033902	2002-01-03	GLOBALFOUNDRIES Inc.	Granted
PASSIVE DRIVE MATRIX DISPLAY	6667791	2003-12-23	10/177243	2002-06-21	GLOBALFOUNDRIES Inc.	Granted

SYSTEM AND METHOD FOR SEGMENTATION OF IMAGES OF OBJECTS THAT ARE OCCULDED BY A SEMI-TRANSPARENT MATERIAL	6668078	2003-12-23	09/676883	2000-09-29	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR INITIATING A SERIAL DATA TRANSFER BETWEEN TWO CLOCK DOMAINS	6668292	2003-12-23	10/095019	2002-03-11	GLOBALFOUNDRIES Inc.	Granted
INERT ATOM IMPLANTATION METHOD FOR SOI GETTERING	6670259	2003-12-30	10/068396	2002-02-05	GLOBALFOUNDRIES Inc.	Granted
GROWING A DUAL DAMASCENE STRUCTURE USING A COPPER SEED LAYER AND A DAMASCENE RESIST STRUCTURE	6670271	2003-12-30	10/052146	2002-01-17	GLOBALFOUNDRIES Inc.	Granted
NITROGEN-CONTAINING POLYMERS AS POROGENS IN THE PREPARATION OF HIGHLY POROUS, LOW DIELECTRIC CONSTANT MATERIALS	6670285	2003-12-30	09/808726	2001-03-14	GLOBALFOUNDRIES Inc.	Granted
SILICON GERMANIUM HETEROJUNCTION BIPOLAR TRANSISTOR WITH CARBON INCORPORATION	6670654	2003-12-30	10/0683498	2002-01-09	GLOBALFOUNDRIES Inc.	Granted
SOI CMOS DEVICE WITH BODY TO GATE CONNECTION	6670655	2003-12-30	09/837839	2001-04-18	GLOBALFOUNDRIES Inc.	Granted
DEEP TRENCH BODY SOI CONTACTS WITH EPITAXIAL LAYER FORMATION	6670675	2003-12-30	09/922892	2001-08-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SENSING A PROGRAMMING STATE OF FUSES	6670843	2003-12-30	10/209141	2002-07-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PASSING DEVICE CONFIGURATION INFORMATION TO A SHARED CONTROLLER	6671748	2003-12-30	09/904374	2001-07-11	GLOBALFOUNDRIES Inc.	Granted
ANALYTICAL CONSTRAINT GENERATION FOR CUT-BASED GLOBAL PLACEMENT	6671867	2003-12-30	10/121877	2002-04-11	GLOBALFOUNDRIES Inc.	Granted
VAPOR PHASE SURFACE MODIFICATION OF COMPOSITE SUBSTRATES TO FORM A MOLECULARLY THIN RELEASE LAYER	6673287	2004-01-06	09/858919	2001-05-16	GLOBALFOUNDRIES Inc.	Granted
NANOPARTICLE STRUCTURES UTILIZING SYNTHETIC DNA LATTICES	6673401	2004-01-06	09/733968	2000-12-12	GLOBALFOUNDRIES Inc.	Granted
ATTENUATING EXTREME ULTRAVIOLET (EUV) PHASE-SHIFTING MASK FABRICATION METHOD	6673524	2004-01-06	09/780275	2001-02-09	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING INCREASED METAL SILICIDE PORTIONS AND METHOD OF FORMING THE SEMICONDUCTOR	6673665	2004-01-06	10/210637	2002-07-31	GLOBALFOUNDRIES Inc.	Granted
USE OF DIAMOND AS A HARD MASK MATERIAL	6673684	2004-01-06	10/335726	2003-01-02	GLOBALFOUNDRIES Inc.	Granted
STI PULL-DOWN TO CONTROL SIGE PACET GROWTH	6674102	2004-01-06	09/769640	2001-01-25	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR DEVICE WITH THERMOELECTRIC COOLER ON SURFACE	6674128	2004-01-06	10/135008	2002-04-29	GLOBALFOUNDRIES Inc.	Granted
COLUMN REDUNDANCY SYSTEM AND METHOD FOR A MICRO-CELL EMBEDDED DRAM (E-DRAM) ARCHITECTURE	6674673	2004-01-06	10/64867	2002-08-26	GLOBALFOUNDRIES Inc.	Granted
COLUMN REDUNDANCY SYSTEM AND METHOD FOR A MICRO-CELL EMBEDDED DRAM (E-DRAM) ARCHITECTURE	6674676	2004-01-06	10/444226	2003-05-23	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR PERFORMANCE MANAGEMENT USING SELF-ADJUSTING MODEL-BASED POLICIES	6675128	2004-01-06	09/409151	1999-09-30	GLOBALFOUNDRIES Inc.	Granted
INSERTION OF SCAN HARDWARE	6675364	2004-01-06	09/323469	1999-06-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ENHANCING CLEAR FIELD PHASE SHIFT MASKS BY ADDING PARALLEL LINE TO PHASE 0 REGION	6675369	2004-01-06	10/016702	2001-12-11	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DETERMINING PROCESS LAYER THICKNESS USING SCATTEROMETRY MEASUREMENTS	6677170	2004-01-13	09/863596	2001-05-23	GLOBALFOUNDRIES Inc.	Granted
PACKAGE FOR ELECTRONIC COMPONENT	6677322	2004-01-13	10/255457	2002-09-26	GLOBALFOUNDRIES Inc.	Granted
INTRALEVEL DECOUPLING CAPACITOR, METHOD OF MANUFACTURE AND TESTING CIRCUIT OF THE SAME	6677637	2004-01-13	09/330803	1999-06-11	GLOBALFOUNDRIES Inc.	Granted
BODY CONTACT MOSFET	6677645	2004-01-13	10/061263	2002-01-31	GLOBALFOUNDRIES Inc.	Granted

METHOD AND STRUCTURE OF A DISPOSABLE REVERSED SPACER PROCESS FOR HIGH PERFORMANCE RECESSED CHANNEL CMOS DIELECTRIC MATERIALS	6677646	2004-01-13	10/117959	2002-04-05	GLOBALFOUNDRIES Inc.	Granted
HYBRID LOW-K INTERCONNECT STRUCTURE COMPRISED OF 2 SPIN-ON DIELECTRIC MATERIALS	6677680	2004-01-13	09/795429	2001-02-28	GLOBALFOUNDRIES Inc.	Granted
USER CONFIGURABLE MULTIVARIATE TIME SERIES REDUCTION TOOL CONTROL METHOD	6678569	2004-01-13	10/013070	2001-11-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING OUTPUT CHARACTERISTICS USING TOOL STATE DATA	6678570	2004-01-13	09/891898	2001-06-26	GLOBALFOUNDRIES Inc.	Granted
SCANNING HEAT FLOW PROBE	6679625	2004-01-20	10/022162	2001-12-17	GLOBALFOUNDRIES Inc.	Granted
LAND GRID ARRAY CONNECTOR AND METHOD FOR FORMING THE SAME	6679707	2004-01-20	10/254239	2002-09-25	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR DEVICE WITH STAINED DEVICE FILM AND METHOD FOR MAKING THE SAME WITH PARTIAL REPLACEMENT OF ISOLATION OXIDE	6680240	2004-01-20	10/178542	2002-06-25	GLOBALFOUNDRIES Inc.	Granted
DUAL LAYER ETCH STOP BARRIER	6680259	2004-01-20	10/413087	2003-04-14	GLOBALFOUNDRIES Inc.	Granted
CONTACT GAPPING LOCAL INTERCONNECT	6680514	2004-01-20	09/745047	2000-12-20	GLOBALFOUNDRIES Inc.	Granted
MULTI-STEP TRANSMISSION LINE FOR MULTILAYER PACKAGING	6680530	2004-01-20	10/217822	2002-08-12	GLOBALFOUNDRIES Inc.	Granted
HIGH SPEED FIR TRANSMITTER	6680681	2004-01-20	10/249795	2003-05-08	GLOBALFOUNDRIES Inc.	Granted
TRANSMISSIVE ELECTROPHORETIC DISPLAY WITH STACKED COLOR CELLS	6680726	2004-01-20	09/860265	2001-05-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SUPPORT OF TAGGING AND UNTAGGING PER VLAN PER PORT	6680945	2004-01-20	09/317145	1999-05-24	GLOBALFOUNDRIES Inc.	Granted
VIRTUAL CHANNEL BUFFER BYPASS FOR AN I/O NODE OF A COMPUTER SYSTEM	6681274	2004-01-20	09/978378	2001-10-15	GLOBALFOUNDRIES Inc.	Granted
LIQUID CRYSTAL DISPLAY CELL HAVING LIQUID CRYSTAL MOLECULES IN VERTICAL OR SUBSTANTIALLY VERTICAL ALIGNMENT	6682786	2004-01-27	09/455671	1999-12-07	GLOBALFOUNDRIES Inc.	Granted
ATTENUATED EMBEDDED PHASE SHIFT PHOTOMASK BLANKS	6682860	2004-01-27	10/122876	2002-04-12	GLOBALFOUNDRIES Inc.	Granted
GROWTH OF PHOTORESIST LAYER IN PHOTOLITHOGRAPHIC PROCESS	6682988	2004-01-27	10/097637	2002-03-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING GRAIN SIZE IN A POLYSILICON LAYER AND IN SEMICONDUCTOR DEVICES HAVING POLYSILICON STRUCTURES	6682992	2004-01-27	10/147270	2002-05-15	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD FOR MAKING THE DEVICE HAVING AN ELECTRICALLY MODULATED CONDUCTION CHANNEL	6683345	2004-01-27	09/467537	1999-12-20	GLOBALFOUNDRIES Inc.	Granted
CONTROL MECHANISM FOR MATCHING PROCESS PARAMETERS IN A MULTI-CHAMBER PROCESS TOOL	6684122	2004-01-27	09/476892	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
MULTIPROCESSOR SYSTEM IMPLEMENTING VIRTUAL MEMORY USING A SHARED MEMORY, AND A PAGE REPLACEMENT METHOD FOR MAINTAINING PAGED MEMORY COHERENCE	6684305	2004-01-27	09/841469	2001-04-24	GLOBALFOUNDRIES Inc.	Granted
GROOVED POLISHING PADS AND METHODS OF USE	6685548	2004-02-03	10/424840	2003-04-29	GLOBALFOUNDRIES Inc.	Granted
DEFECT-FREE DIELECTRIC COATINGS AND PREPARATION THEREFOR USING POLYMERIC NITROGENOUS POROGENS	6685983	2004-02-03	09/808724	2001-03-14	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE GATE PROCESS WITH SACRIFICIAL OXIDE IN SEMICONDUCTOR DEVICES	6686231	2004-02-03	10/310777	2002-12-06	GLOBALFOUNDRIES Inc.	Granted
ULTRA LOW DEPOSITION RATE PECVD SILICON NITRIDE	6686232	2004-02-03	10/173717	2002-06-19	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR CHIP HAVING BOTH COMPACT MEMORY AND HIGH PERFORMANCE LOGIC	6686617	2004-02-03	09/878804	2001-06-11	GLOBALFOUNDRIES Inc.	Granted

SOI MOSFETS EXHIBITING REDUCED FLOATING-BODY EFFECTS	6686629	2004-02-03	09/377331	1999-08-18	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE DOUBLE-GATE MOSFET STRUCTURE AND ITS FABRICATION METHODOLOGY	6686630	2004-02-03	09/778335	2001-02-07	GLOBALFOUNDRIES Inc.	Granted
GATE STRUCTURE WITH INDEPENDENTLY TAILORED VERTICAL DOPING PROFILE	6686637	2004-02-03	10/301436	2002-11-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING A SAMPLING PLAN BASED ON DEFECTIVITY	6687561	2004-02-03	10/115432	2002-04-03	GLOBALFOUNDRIES Inc.	Granted
CACHE WHICH PROVIDES PARTIAL TAGS FROM NON-PREDICTED WAYS TO DIRECT SEARCH IF WAY PREDICTION MISSES	6687789	2004-02-03	09/476577	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR INSERTING LEAKAGE REDUCTION CONTROL IN LOGIC CIRCUITS	6687883	2004-02-03	09/750969	2000-12-28	GLOBALFOUNDRIES Inc.	Granted
POLYMERS AND USE THEREOF	6689240	2004-02-10	10/040446	2002-01-09	GLOBALFOUNDRIES Inc.	Granted
FIN FIELD EFFECT TRANSISTOR WITH SELF-ALIGNED GATE	6689650	2004-02-10	09/965288	2001-09-27	GLOBALFOUNDRIES Inc.	Granted
LOW TEMPERATURE SOLID-PHASE EPITAXY FABRICATION PROCESS FOR MOS DEVICES BUILT ON STRAINED SEMICONDUCTOR SUBSTRATE	6689671	2004-02-10	10/151946	2002-05-22	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT IN A NETWORK REPEATER FOR MONITORING LINK INTEGRITY BY MONITORING SYMBOL ERRORS ACROSS MULTIPLE DETECTION INTERVALS	6690650	2004-02-10	09/256780	1999-02-24	GLOBALFOUNDRIES Inc.	Granted
TARGET DESIGN MODEL BEHAVIOR EXPLORER	6691078	2004-02-10	09/362720	1999-07-29	GLOBALFOUNDRIES Inc.	Granted
INTERFACIAL BARRIER LAYER IN SEMICONDUCTOR DEVICES WITH HIGH-K GATE DIELECTRIC MATERIAL	6693004	2004-02-17	10/085318	2002-02-27	GLOBALFOUNDRIES Inc.	Granted
STORE LOAD FORWARD PREDICTOR TRAINING	6694424	2004-02-17	09/476579	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
THIOPHENE-CONTAINING PHOTO ACID GENERATORS FOR MICRO-ELECTROMECHANICAL VARACTOR WITH ENHANCED TUNING RANGE	6696216	2004-02-24	09/896538	2001-06-29	GLOBALFOUNDRIES Inc.	Granted
DUAL-GATE MOSFET WITH CHANNEL POTENTIAL ENGINEERING	6696343	2004-02-24	10/459978	2003-06-12	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY (CAM) HAVING A MATCH LINE CIRCUIT WITH SELECTIVELY ADJUSTABLE PULL-UP IMPEDANCES	6696725	2004-02-24	09/527227	2000-03-16	GLOBALFOUNDRIES Inc.	Granted
LOCALIZED DIRECT SENSE ARCHITECTURE	6697293	2004-02-24	10/063329	2002-04-12	GLOBALFOUNDRIES Inc.	Granted
EFFECTIVE CHANNEL LENGTH CONTROL USING ION IMPLANT FEED FORWARD	6697697	2004-02-24	10/192386	2002-07-09	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGY AND GRAPHICAL USER INTERFACE FOR BUILDING LOGIC SYNTHESIS COMMAND SCRIPTS USING MICRO-TEMPLATES	6697880	2004-02-24	09/228347	1999-01-11	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR INTERFACING BETWEEN A MEDIA ACCESS CONTROLLER AND A NUMBER OF PHYSICAL LAYER DEVICES USING DATA ADDRESSING	6697887	2004-02-24	09/594232	2000-06-14	GLOBALFOUNDRIES Inc.	Granted
FRAMEWORK FOR MULTIPLE-ENGINE BASED VERIFICATION TOOLS FOR INTEGRATED CIRCUITS	6698003	2004-02-24	10/006076	2001-12-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MODELING OF BATCH DYNAMICS BASED UPON INTEGRATED METROLOGY	6698009	2004-02-24	10/085938	2002-02-28	GLOBALFOUNDRIES Inc.	Granted
PHOTOSENSITIVE BOTTOM ANTI-REFLECTIVE COATING	6699641	2004-03-02	10/021838	2001-12-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PRIORITIZING PRODUCTION LOTS BASED ON GRADE ESTIMATES AND OUTPUT REQUIREMENTS	6699727	2004-03-02	09/821675	2001-03-29	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL COUPLING OF A STEPPER TO A CHIP CARRIER	6699736	2004-03-02	10/305643	2002-11-26	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE SLICIDE BLOCCING	6700163	2004-03-02	10/683278	2001-12-07	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE HAVING IN-SITU FORMED UNIT RESISTORS	6700203	2004-03-02	09/686742	2000-10-11	GLOBALFOUNDRIES Inc.	Granted

METHOD AND SYSTEM FOR CONTROLLING A PROCESS TOOL PCI AND MH COMPATIBLE HOME PHONELINE NETWORKING ALLIANCE (HPVA) INTERFACE DEVICE	6701206	2004-03-02	10/138712	2002-05-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PROCESS INDEPENDENT CLOCK SIGNAL DISTRIBUTION	6701406	2004-03-02	09/776339	2001-02-02	GLOBALFOUNDRIES Inc.	Granted
USE OF SCATTEROMETRY/REFLECTOMETRY TO MEASURE THIN FILM DELAMINATION DURING CMP	6701444	2004-03-02	10/116813	2002-04-05	GLOBALFOUNDRIES Inc.	Granted
METHOD TO FORM GATE CONDUCTOR STRUCTURES OF DUAL DOPED POLYSILICON	6702648	2004-03-09	10/277559	2002-10-22	GLOBALFOUNDRIES Inc.	Granted
REDUCING AGENT FOR HIGH-K GATE DIELECTRIC PARASITIC INTERFACIAL LAYER	6703269	2004-03-09	10/114829	2002-04-02	GLOBALFOUNDRIES Inc.	Granted
DISCONTINUOUS DIELECTRIC INTERFACE FOR BIPOLAR TRANSISTORS	6703277	2004-03-09	10/118437	2002-04-08	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON PMOS HAVING SILICON GERMANIUM SOURCE/RAIN EXTENSIONS AND METHOD FOR ITS FABRICATION	6703283	2004-03-09	09/244958	1999-02-04	GLOBALFOUNDRIES Inc.	Granted
STRESS REDUCING STIFFENER RING CONCURRENT ELECTRICAL SIGNAL WIRING OPTIMIZATION FOR AN ELECTRONIC PACKAGE	6703648	2004-03-09	10/282559	2002-10-29	GLOBALFOUNDRIES Inc.	Granted
TEST CONTACT MECHANISM	6703704	2004-03-09	10/254391	2002-09-25	GLOBALFOUNDRIES Inc.	Granted
DATA STORAGE SYSTEM AND METHOD OF STORING DATA	6703706	2004-03-09	10/041347	2002-01-08	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGY FOR ELECTRICALLY INDUCED SELECTIVE BREAKDOWN OF NANOTUBES	6703853	2004-03-09	09/811501	2001-03-19	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING MULTIPLE STRUCTURES IN A SEMICONDUCTOR DEVICE	6704839	2004-03-09	09/969571	2001-10-01	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR (SOI) TRANSISTOR HAVING PARTIAL HETERO SOURCE/RAIN JUNCTIONS FABRICATED WITH HIGH ENERGY GERMANIUM IMPLANTATION	6705566	2004-03-16	10/144402	2002-05-13	GLOBALFOUNDRIES Inc.	Granted
WAFER INTEGRATED RIGID SUPPORT RING	6706571	2004-03-16	10/274951	2002-10-22	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING AN ALLOYED METAL CONDUCTIVE ELEMENT OF AN INTEGRATED CIRCUIT	6706614	2004-03-16	10/145953	2002-05-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING SHEET RESISTANCE OF METAL SILICIDE REGIONS BY CONTROLLING THE SILICIDE STRIP TIME	6706621	2004-03-16	10/302412	2002-11-22	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR IMPROVED VERTICAL MOSHET DRAM CELL-TO-CELL ISOLATION	6706630	2004-03-16	10/376399	2003-02-28	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING REFRACTORY METAL-SILICON-NITROGEN CAPACITORS AND STRUCTURES FORMED	6707095	2004-03-16	10/290400	2002-11-06	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH TENSILE STRAIN SILICON INTRODUCED BY COMPRESSIVE MATERIAL IN A BURIED OXIDE LAYER	6707097	2004-03-16	10/346437	2003-01-16	GLOBALFOUNDRIES Inc.	Granted
METHOD OF USING SCATTEROMETRY MEASUREMENTS TO CONTROL PHOTORESIST ETCH PROCESS	6707106	2004-03-16	10/272979	2002-10-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DIRECT CONNECTION BETWEEN TWO INTEGRATED CIRCUITS VIA A CONNECTOR	6707562	2004-03-16	09/897205	2001-07-02	GLOBALFOUNDRIES Inc.	Granted
LOT SPECIFIC PROCESS DESIGN METHODOLOGY	6707684	2004-03-16	09/824135	2001-04-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR UTILIZING INTEGRATED METROLOGY DATA AS FEED-FORWARD DATA	6708073	2004-03-16	09/637100	2000-08-10	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR PROVIDING ESTIMATES OF THE CURRENT TIME IN A COMPUTER SYSTEM INCLUDING A LOCAL TIME SOURCE HAVING ONE OF SEVERAL POSSIBLE LEVELS OF TRUST WITH REGARD TO TIMEKEEPING	6708075	2004-03-16	09/992447	2001-11-16	GLOBALFOUNDRIES Inc.	Granted
	6708281	2004-03-16	09/613009	2000-07-10	GLOBALFOUNDRIES Inc.	Granted

METHOD FOR GUARANTEERING A MINIMUM DATA STROBE VALID WINDOW AND A MINIMUM DATA VALID WINDOW FOR DDR MEMORY DEVICES	6708298	2004-03-16	09/768122	2001-01-23	GLOBALFOUNDRIES Inc.	Granted
RELAXED SIGE LAYERS ON SI OR SILICON-ON-INSULATOR SUBSTRATES BY ION IMPLANTATION AND THERMAL ANNEALING	6709903	2004-03-23	10/426337	2003-04-30	GLOBALFOUNDRIES Inc.	Granted
METHOD OF LOCALLY FORMING A SILICON/GERANIUM CHANNEL LAYER	6709935	2004-03-23	09/817580	2001-03-26	GLOBALFOUNDRIES Inc.	Granted
OXYNITRIDE SHALLOW TRENCH ISOLATION AND METHOD OF FORMATION	6709951	2004-03-23	10/246252	2002-09-18	GLOBALFOUNDRIES Inc.	Granted
DOUBLE SPACER FINNET FORMATION	6709982	2004-03-23	10/303702	2002-11-26	GLOBALFOUNDRIES Inc.	Granted
CIRCUITIZED SUBSTRATE FOR HIGH-FREQUENCY APPLICATIONS	6710258	2004-03-23	10/125624	2002-04-18	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURE WITH PRECISE CONDUCTOR RESISTANCE AND METHOD TO FORM SAME	6710450	2004-03-23	09/795430	2001-02-28	GLOBALFOUNDRIES Inc.	Granted
ACOUSTIC NOISE SUPPRESSING CIRCUIT BY SELECTIVE ENABLMENT OF AN INTERPOLATOR	6710725	2004-03-23	09/290048	1999-04-12	GLOBALFOUNDRIES Inc.	Granted
SAVING CONTENT ADDRESSABLE MEMORY POWER THROUGH CONDITIONAL COMPARISONS	6711040	2004-03-23	10/353119	2003-01-28	GLOBALFOUNDRIES Inc.	Granted
WRITEBACK AND REFRESH CIRCUITRY FOR DIRECT SENSED DRAM MACRO	6711078	2004-03-23	10/064306	2002-07-01	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR STOKING MIN TERMS IN NETWORK SWITCH PORT MEMORY FOR ACCESS AND COMPACTNESS	6711165	2004-03-23	09/594606	2000-06-15	GLOBALFOUNDRIES Inc.	Granted
INTEGRATION OF BUSINESS RULE PARAMETERS IN PRIORITY SETTING OF WAFER PROCESSING	6711450	2004-03-23	09/496205	2000-02-02	GLOBALFOUNDRIES Inc.	Granted
USING A MODEL SPECIFIC REGISTER AS A BASE I/O ADDRESS REGISTER FOR EMBEDDED I/O REGISTERS IN A PROCESSOR	6711673	2004-03-23	09/477124	2000-01-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS TO MONITOR THE RUN STATE OF A MULTI-PARTITIONED COMPUTER SYSTEM	6711700	2004-03-23	09/840345	2001-04-23	GLOBALFOUNDRIES Inc.	Granted
VAPOR TREATMENT FOR REPAIRING DAMAGE OF LOW-K DIELECTRIC	6713382	2004-03-30	10/059268	2002-01-31	GLOBALFOUNDRIES Inc.	Granted
NITROGEN OXIDE PLASMA TREATMENT FOR REDUCED NICKEL SILICIDE BRIDGING	6713392	2004-03-30	10/234238	2002-09-05	GLOBALFOUNDRIES Inc.	Granted
T-RAM ARRAY HAVING A PLANAR CELL STRUCTURE AND METHOD FOR FABRICATING THE SAME	6713791	2004-03-30	09/770788	2001-01-26	GLOBALFOUNDRIES Inc.	Granted
MICRO-STRUCTURES AND METHODS FOR THEIR MANUFACTURE	6713827	2004-03-30	10/351919	2003-01-27	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES WITH DUAL NATURE CAPING/MARC LAYERS ON ORGANIC-DOPED SILICA GLASS INTER-LAYER DIELECTRICS	6713874	2004-03-30	09/817050	2001-03-27	GLOBALFOUNDRIES Inc.	Granted
IN-BAND MANAGEMENT OF A STACKED GROUP OF SWITCHES BY A SINGLE CPU	6714556	2004-03-30	09/618057	2000-07-17	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR ALLOCATING BUFFER SPACE	6715055	2004-03-30	09/981618	2001-10-15	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE PHOTORESIST HARDENING TO FACILITATE LATERAL TRIMMING	6716571	2004-04-06	09/819343	2001-03-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR FORMING A LONG CHANNEL DEVICE	6716706	2004-04-06	09/592124	2000-06-12	GLOBALFOUNDRIES Inc.	Granted
LOW-K INTERCONNECT STRUCTURE COMPRISED OF A MULTILAYER OF SPIN-ON POROUS DIELECTRICS	6716742	2004-04-06	10/292205	2002-11-12	GLOBALFOUNDRIES Inc.	Granted
LEAKY, THERMALLY CONDUCTIVE INSULATOR MATERIAL (LTICIM) IN SEMICONDUCTOR-ON-INSULATOR (SOI) STRUCTURE	6717212	2004-04-06	09/879724	2001-06-12	GLOBALFOUNDRIES Inc.	Granted

SOI BASED FIELD EFFECT TRANSISTOR HAVING A COMPRESSIVE FILM IN UNDERCUT AREA UNDER THE CHANNEL AND A METHOD OF MAKING THE DEVICE	6717216	2004-04-06	10/318601	2002-12-12	GLOBALFOUNDRIES Inc.	Granted
ULTIMATE SIMOX	6717217	2004-04-06	10/341819	2003-01-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING ELECTROMIGRATION BY FORMING AN ELECTROPLATED COPPER-ZINC INTERCONNECT AND A SEMICONDUCTOR DEVICE THEREBY FORMED	6717236	2004-04-06	10/084563	2002-02-26	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR CURRENT DEMAND DISTRIBUTION IN ELECTRONIC SYSTEMS	6717997	2004-04-06	09/204025	1998-12-01	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR NETWORK MANAGEMENT OF LOCAL AREA NETWORKS HAVING NON-BLOCKING NETWORK SWITCHES CONFIGURED FOR SWITCHING DATA PACKETS BETWEEN SUBNETWORKS BASED ON MANAGEMENT POLICIES	6718379	2004-04-06	09/590685	2000-06-09	GLOBALFOUNDRIES Inc.	Granted
READ-MODIFY-WRITE FOR PARTIAL WRITES IN A MEMORY CONTROLLER	6718444	2004-04-06	10/028840	2001-12-20	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR BONDING HEAT SINKS TO OVERMOLDS AND DEVICE FORMED THEREBY	6719871	2004-04-13	09/757185	2001-01-09	GLOBALFOUNDRIES Inc.	Granted
LOW-K GATE SPACERS BY FLUORINE IMPLANTATION	6720213	2004-04-13	10/345344	2003-01-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING INTEGRATED COIL INDUCTORS FOR IC DEVICES	6720230	2004-04-13	10/238746	2002-09-10	GLOBALFOUNDRIES Inc.	Granted
PREVENTION OF PRECIPITATION DEFECTS ON COPPER INTERCONNECTS DURING CMP BY USE OF SOLUTIONS CONTAINING ORGANIC COMPOUNDS WITH SILICA ADSORPTION AND COPPER CORROSION INHIBITING PROPERTIES	6720264	2004-04-13	09/749191	2000-12-26	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC RANDOM ACCESS MEMORY (DRAM) CELL WITH FOLDED BITLINE VERTICAL TRANSISTOR AND METHOD OF PRODUCING THE SAME	6720602	2004-04-13	10/101992	2002-03-21	GLOBALFOUNDRIES Inc.	Granted
BRANCH PREDICTOR INDEX GENERATION USING VARIED BIT POSITIONS OR BIT ORDER REVERSAL	6721876	2004-04-13	09/578954	2000-05-25	GLOBALFOUNDRIES Inc.	Granted
BRANCH PREDICTOR THAT SELECTS BETWEEN PREDICTIONS BASED ON STORED PREDICTION SELECTOR AND BRANCH PREDICTOR INDEX GENERATION	6721877	2004-04-13	09/579245	2000-05-25	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MAKING PRINTED CIRCUIT BOARD HAVING LOW COEFFICIENT OF THERMAL EXPANSION POWER/GROUND PLANE	6722031	2004-04-20	10/012426	2001-12-07	GLOBALFOUNDRIES Inc.	Granted
PROTECTION LOW-K LID DURING DAMASCENE PROCESSING WITH THIN LINER	6723635	2004-04-20	10/115245	2002-04-04	GLOBALFOUNDRIES Inc.	Granted
ELECTRON BEAM LITHOGRAPHY APPARATUS WITH SELF ACTUATED VACUUM BYPASS VALVE	6724001	2004-04-20	10/338922	2003-01-08	GLOBALFOUNDRIES Inc.	Granted
TWIN-CELL FLASH MEMORY STRUCTURE AND METHOD	6724029	2004-04-20	09/683831	2002-02-21	GLOBALFOUNDRIES Inc.	Granted
SPIN-ON CAP LAYER AND SEMICONDUCTOR DEVICE CONTAINING SAME	6724069	2004-04-20	09/827160	2001-04-05	GLOBALFOUNDRIES Inc.	Granted
LAMINATED CONDUCTIVE LINES AND METHODS OF FORMING THE SAME	6724087	2004-04-20	10/331682	2002-12-30	GLOBALFOUNDRIES Inc.	Granted
DIE CORNER ALIGNMENT STRUCTURE	6724096	2004-04-20	10/124216	2002-04-16	GLOBALFOUNDRIES Inc.	Granted
LOGIC CIRCUIT FOR TRUE AND COMPLEMENT SIGNAL GENERATOR	6724225	2004-04-20	09/876631	2001-06-07	GLOBALFOUNDRIES Inc.	Granted
REAL-TIME PHOTOEMISSION DETECTION SYSTEM	6724928	2004-04-20	09/496532	2000-02-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR MEASURING CHARACTERISTICS OF CURVED FEATURES	6724947	2004-04-20	09/616862	2000-07-14	GLOBALFOUNDRIES Inc.	Granted

METHOD AND APPARATUS FOR USING A DYNAMIC CONTROL MODEL TO COMPENSATE FOR A PROCESS INTERRUPT	6725121	2004-04-20	09/864692	2001-05-24	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR PROGRAMMABLY MODIFYING A LIMIT OF A RETRY COUNTER IN A NETWORK SWITCH PORT IN RESPONSE TO EXERTING BACKPRESSURE	6725270	2004-04-20	09/316184	1999-05-21	GLOBALFOUNDRIES Inc.	Granted
PERIPHERAL INTERFACE CIRCUIT FOR AN I/O NODE OF A COMPUTER SYSTEM	6725297	2004-04-20	10/093146	2002-03-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR SPECULATIVELY INVALIDATING LINES IN A CACHE	6725337	2004-04-20	09/859290	2001-05-16	GLOBALFOUNDRIES Inc.	Granted
CERAMIC STRUCTURE USING A SUPPORT SHEET	6726984	2004-04-27	10/403239	2003-03-28	GLOBALFOUNDRIES Inc.	Granted
LAMINATED DIFFUSION BARRIER	6726996	2004-04-27	09/858687	2001-05-16	GLOBALFOUNDRIES Inc.	Granted
ALL-IN-ONE DISPOSABLE/PERMANENT SPACER ELEVATED SOURCE/DRAIN, SELF-ALIGNED SILICIDE CMOS	6727135	2004-04-27	10/464339	2003-06-18	GLOBALFOUNDRIES Inc.	Granted
DRAM HAVING OFFSET VERTICAL TRANSISTORS AND METHOD	6727141	2004-04-27	10/342419	2003-01-14	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY PROGRAMMED MOS TRANSISTOR SOURCE/DRAIN SERIES RESISTANCE	6727334	2004-04-27	10/022847	2001-12-20	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED VERTICAL DRAM ARRAYS WITH SILICIDED BITLINE AND POLYSILICON INTERCONNECT	6727339	2004-04-27	10/147150	2002-05-16	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF FABRICATING EMBEDDED DRAM HAVING A VERTICAL DEVICE ARRAY AND A BORDERED BITLINE CONTACT	6727340	2004-04-27	10/227404	2002-08-23	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED TRIPLE GATE SILICON-ON-INSULATOR (SOI) DEVICE	6727346	2004-04-27	10/379239	2003-03-03	GLOBALFOUNDRIES Inc.	Granted
CHANNEL ISOLATION USING DIELECTRIC ISOLATION STRUCTURES	6727558	2004-04-27	09/784790	2001-02-15	GLOBALFOUNDRIES Inc.	Granted
ENGINEERED METAL GATE ELECTRODE	6727560	2004-04-27	10/360719	2003-02-10	GLOBALFOUNDRIES Inc.	Granted
REFLECTIVE ELECTROPHORETIC DISPLAY WITH STACKED COLOR CELLS	6727873	2004-04-27	09/860264	2001-05-18	GLOBALFOUNDRIES Inc.	Granted
GUI FOR REPRESENTING ENTITY MATCHES UTILIZING GRAPHICAL TRANSITIONS PERFORMED DIRECTLY ON THE MATCHING OBJECT	6727922	2004-04-27	09/788635	2001-02-21	GLOBALFOUNDRIES Inc.	Granted
REDUNDANT ARRAY ARCHITECTURE FOR WORD REPLACEMENT IN CAM	6728123	2004-04-27	10/123493	2002-04-15	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE ADMISSION CONTROL IN A NETWORK DEVICE	6728213	2004-04-27	09/814815	2001-03-23	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT IN A NETWORK REPEATER FOR MONITORING LINK INTEGRITY AND SELECTIVELY DOWN SHIFTING LINK SPEED BASED ON LOCAL CONFIGURATION SIGNALS	6728216	2004-04-27	09/256779	1999-02-24	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR STORING MIN TERMS IN A NETWORK SWITCH PORT MEMORY FOR IDENTIFYING DATA PACKET TYPES IN A REAL TIME	6728255	2004-04-27	09/430752	1999-10-29	GLOBALFOUNDRIES Inc.	Granted
TAGGING AND ARBITRATION MECHANISM IN AN INPUT/OUTPUT NODE OF A COMPUTER SYSTEM	6728790	2004-04-27	09/978351	2001-10-15	GLOBALFOUNDRIES Inc.	Granted
HIERARCHICAL BUILT-IN SELF-TEST FOR SYSTEM-ON-CHIP DESIGN	6728916	2004-04-27	09/863952	2001-05-23	GLOBALFOUNDRIES Inc.	Granted
PROMOTING ADHESION BETWEEN A POLYMER AND A METALLIC SUBSTRATE	6730409	2004-05-04	09/322132	1999-05-27	GLOBALFOUNDRIES Inc.	Granted
IONIC SALT DYES AS AMORPHOUS, THERMALLY STABLE EMITTING AND CHARGE TRANSPORT LAYERS IN ORGANIC LIGHT EMITTING DIODES	6730416	2004-05-04	09/396324	1999-09-15	GLOBALFOUNDRIES Inc.	Granted
ATTENUATED EMBEDDED PHASE SHIFT PHOTOMASK BLANKS	6730445	2004-05-04	10/303341	2002-11-22	GLOBALFOUNDRIES Inc.	Granted

LITHOGRAPHIC PHOTORESIST COMPOSITION AND PROCESS FOR ITS USE	6730452	2004-05-04	09/771261	2001-01-26	GLOBALFOUNDRIES Inc.	Granted
ANTIREFLECTIVE SiO ₂ -CONTAINING COMPOSITIONS FOR HARDMASK LAYER	6730454	2004-05-04	10/124087	2002-04-16	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A THICK STRAINED SILICON LAYER AND SEMICONDUCTOR STRUCTURES INCORPORATING A THICK STRAINED SILICON LAYER	6730376	2004-05-04	10/335447	2002-12-31	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING ONE OR MORE TIERS OF AN INTEGRATED CIRCUIT	6730617	2004-05-04	10/132530	2002-04-24	GLOBALFOUNDRIES Inc.	Granted
INCREASING AN ELECTRICAL RESISTANCE OF A RESISTOR BY OXIDATION OR NITRIDIZATION	6730984	2004-05-04	09/712391	2000-11-14	GLOBALFOUNDRIES Inc.	Granted
NON-PLANAR SURFACE FOR SEMICONDUCTOR CHIPS	6731012	2004-05-04	09/471679	1999-12-23	GLOBALFOUNDRIES Inc.	Granted
TRI-STATE DELAY BOOST	6731134	2004-05-04	10/249311	2003-03-31	GLOBALFOUNDRIES Inc.	Granted
GLOBAL VOLTAGE BUFFER FOR VOLTAGE ISLANDS	6731154	2004-05-04	10/063504	2002-05-01	GLOBALFOUNDRIES Inc.	Granted
DUAL EMITTER TRANSISTOR WITH ESD PROTECTION	6731488	2004-05-04	10/063225	2002-04-01	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR RESETTING A RETRY COUNTER IN A NETWORK SWITCH PORT IN RESPONSE TO EXERTING BACKPRESSURE	6731601	2004-05-04	09/477723	2000-01-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR IMPLEMENTING DYNAMIC QUALIFICATION RECIPES	6732007	2004-05-04	10/164133	2002-06-05	GLOBALFOUNDRIES Inc.	Granted
THINNING OF FUSE PASSIVATION AFTER G4 FORMATION	6734047	2004-05-11	10/065884	2002-11-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF BUILDING A CMOS STRUCTURE ON THIN SOI WITH SOURCE/ DRAIN ELECTRODES FORMED BY IN SITU DOPED SELECTIVE AMORPHOUS SILICON	6734109	2004-05-11	09/924318	2001-08-08	GLOBALFOUNDRIES Inc.	Granted
RESIN COMPOSITION WITH A POLYMERIZING AGENT AND METHOD OF MANUFACTURING PREPEG AND OTHER LAMINATE STRUCTURES THEREFROM	6734259	2004-05-11	10/281038	2002-10-24	GLOBALFOUNDRIES Inc.	Granted
CMOS DEVICES WITH BALANCED DRIVE CURRENTS BASED ON SIGE	6734527	2004-05-11	10/316826	2002-12-12	GLOBALFOUNDRIES Inc.	Granted
INDIRECT ADDRESSING METHOD AND DEVICE INCORPORATING THE SAME	6735664	2004-05-11	09/691377	2000-10-18	GLOBALFOUNDRIES Inc.	Granted
NONOPARTICLES FORMED WITH RIGID CONNECTOR COMPOUNDS	6737107	2004-05-18	10/408570	2003-04-07	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE FORMED OVER A MULTIPLE THICKNESS BURIED OXIDE LAYER, AND METHODS OF MAKING SAME	6737332	2004-05-18	10/109096	2002-03-28	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING CRYSTALLINE-DIELECTRIC THIN FILMS AND DEVICES FORMED USING SAME	6737364	2004-05-18	10/266000	2002-10-07	GLOBALFOUNDRIES Inc.	Granted
MULTILEVEL INTERCONNECT STRUCTURE CONTAINING AIR GAPS AND METHOD FOR MAKING	6737725	2004-05-18	10/144574	2002-05-13	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC STRUCTURES WITH REDUCED CAPACTANCE	6737727	2004-05-18	10/045711	2002-01-14	GLOBALFOUNDRIES Inc.	Granted
ADVANCED BEOL INTERCONNECT STRUCTURES WITH LOW-K PE CVD CAP LAYER AND METHOD THEREOF	6737747	2004-05-18	10/047965	2002-01-15	GLOBALFOUNDRIES Inc.	Granted
DIRECT READ OF DRAM CELL USING HIGH TRANSFER RATIO	6738300	2004-05-18	10/228142	2002-08-26	GLOBALFOUNDRIES Inc.	Granted
EFFICIENT SIMD QUANTIZATION METHOD	6738522	2004-05-18	09/776077	2001-02-01	GLOBALFOUNDRIES Inc.	Granted
HEAD-MOUNTED DISPLAY CONTENT TRANSFORMER	6738535	2004-05-18	09/774489	2001-01-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SCHEDULING BASED ON STATE ESTIMATION UNCERTAINTIES	6738682	2004-05-18	10/210753	2002-07-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR USING TOOL STATE INFORMATION TO IDENTIFY FAULTY WAFERS	6738731	2004-05-18	09/815445	2001-03-22	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PRODUCING PRINTED CIRCUIT BOARD WITH EMBEDDED DECOUPLING CAPACTANCE	6739027	2004-05-25	09/553715	2000-04-20	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR CLEANING FILTERS	6739346	2004-05-25	10/207509	2002-07-29	GLOBALFOUNDRIES Inc.	Granted

ENHANCED T-GATE STRUCTURE FOR MODULATION DOPED FIELD EFFECT TRANSISTORS	6740335	2004-05-25	10/207352	2002-07-29	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN RESIST SHALLOW TRENCH PROCESS USING HIGH SELECTIVITY NITRIDE ETCH	6740566	2004-05-25	09/398641	1999-09-17	GLOBALFOUNDRIES Inc.	Granted
ENHANCED INTERFACE THERMOELECTRIC COOLERS WITH ALL-METALS TIPS	6740600	2004-05-25	10/073695	2002-02-11	GLOBALFOUNDRIES Inc.	Granted
PRINTED WIRING BOARD	6740819	2004-05-25	10/421272	2003-04-23	GLOBALFOUNDRIES Inc.	Granted
DISTRIBUTED TRANSLATION LOOK-ASIDE BUFFERS FOR GRAPHICS ADDRESS REMAPPING TABLE	6741258	2004-05-25	09/477216	2000-01-04	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT FOR IDENTIFYING DATA PACKET TYPES FROM MULTIPLE PROTOCOL FORMATS ON A NETWORK SWITCH PORT	6741594	2004-05-25	09/594604	2000-06-15	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR RELATING PHOTOLOGRAPHY OVERLAY TARGET DAMAGE AND CHEMICAL MECHANICAL PLANARIZATION (CMP) FAULT DETECTION TO CMP TOOL IDENTIFICATION	6741903	2004-05-25	09/585199	2000-06-01	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL-MECHANICAL PLANARIZATION OF BARRIERS OR LINERS FOR COPPER METALLURGY	6743268	2004-06-01	10/051135	2002-01-18	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE THICKENING OF THE SOURCE-DRAIN AND GATE AREAS OF FIELD EFFECT TRANSISTORS	6743666	2004-06-01	10/134981	2002-04-29	GLOBALFOUNDRIES Inc.	Granted
HIGH DIELECTRIC CONSTANT MATERIALS FORMING COMPONENTS OF DRAM SUCH AS DEEP-TRENCH CAPACITORS AND GATE DIELECTRIC (INSULATORS) FOR SUPPORT CIRCUITS	6743670	2004-06-01	10/382894	2003-03-06	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZED BLOCKING IMPURITY PLACEMENT FOR SIGE HBTS	6744079	2004-06-01	09/683983	2002-03-08	GLOBALFOUNDRIES Inc.	Granted
NON-VOLATILE MEMORY USING FERROELECTRIC GATE FIELD-EFFECT TRANSISTORS	6744087	2004-06-01	10/256881	2002-09-27	GLOBALFOUNDRIES Inc.	Granted
NON-UNIFORM GATE/DIELECTRIC FIELD EFFECT TRANSISTOR	6744101	2004-06-01	09/808896	2001-03-15	GLOBALFOUNDRIES Inc.	Granted
MODULE WITH ADHESIVELY ATTACHED HEAT SINK	6744132	2004-06-01	10/058999	2002-01-29	GLOBALFOUNDRIES Inc.	Granted
RESONANT OPERATION OF MEMS SWITCH	6744338	2004-06-01	10/054409	2001-11-13	GLOBALFOUNDRIES Inc.	Granted
FRAME IDENTIFIER FOR IDENTIFYING LAYER 2 DATA PACKET TYPES FOR UPPER LAYER PACKET CLASSIFICATION IN A NETWORK SWITCH PORT	6744783	2004-06-01	09/594607	2000-06-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING CONTROL ACTIONS INCORPORATING DEFECTIVITY EFFECTS	6745086	2004-06-01	10/114785	2002-04-03	GLOBALFOUNDRIES Inc.	Granted
INTERNET BASED METHOD FOR FACILITATING NETWORKING AMONG PERSONS WITH SIMILAR INTERESTS AND FOR FACILITATING COLLABORATIVE SEARCHING FOR INFORMATION	6745178	2004-06-01	09/561227	2000-04-28	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR INSERTION OF TEST POINTS INTO INTEGRATED CIRCUIT LOGIC DESIGNS	6745373	2004-06-01	09/788925	2001-02-20	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR REPRESENTING GATED-CLOCK LATCHES FOR PHASE ABSTRACTION	6745377	2004-06-01	10/116584	2002-04-04	GLOBALFOUNDRIES Inc.	Granted
LOW STRAIN CHIP REMOVAL APPARATUS	6745932	2004-06-08	10/233008	2002-09-03	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE SHIELD/MATERIAL FLOW MECHANISM	6746578	2004-06-08	09/871557	2001-05-31	GLOBALFOUNDRIES Inc.	Granted
USE OF SURFACE COUPLING AGENT TO IMPROVE ADHESION	6746822	2004-06-08	10/050484	2002-01-16	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING A POLYSILICON LINE STRUCTURE WITH INCREASED METAL SILICIDE PORTIONS AND METHOD FOR FORMING THE POLYSILICON LINE STRUCTURE OF A SEMICONDUCTOR DEVICE	6746927	2004-06-08	10/422492	2003-04-24	GLOBALFOUNDRIES Inc.	Granted
POST-FUSE BLOW CORROSION PREVENTION STRUCTURE FOR COPPER FUSERS	6746947	2004-06-08	10/254277	2002-09-25	GLOBALFOUNDRIES Inc.	Granted

PHASE-LOCKED LOOP WITH AUTOMATIC FREQUENCY TUNING	6747519	2004-06-08	10/261086	2003-02-07	GLOBALFOUNDRIES Inc.	Granted
GAIN CELL STRUCTURE WITH DEEP TRENCH CAPACITOR	6747890	2004-06-08	10/249347	2003-04-02	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR SELECTING BETWEEN A VOLTAGE SPECIFIED BY A PROCESSOR AND AN ALTERNATE VOLTAGE TO BE SUPPLIED TO THE PROCESSOR	6748545	2004-06-08	09/621931	2000-07-24	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A PATTERNED SOI EMBEDDED DRAM/DRAM HAVING A VERTICAL DEVICE CELL AND DEVICE FORMED THEREBY	6750097	2004-06-15	10/210632	2002-07-30	GLOBALFOUNDRIES Inc.	Granted
EPITAXIAL AND POLYCRYSTALLINE GROWTH OF Si1-xYGeXC AND Si1-xCY ALLOY LAYERS ON Si BY UHV-CVD	6750119	2004-06-15	09/838892	2001-04-20	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING A SEMICONDUCTOR DEVICE USING AMORPHOUS CARBON HAVING IMPROVED ETCH RESISTANCE	6750127	2004-06-15	10/367407	2003-02-14	GLOBALFOUNDRIES Inc.	Granted
DUAL DOUBLE GATE TRANSISTOR	6750487	2004-06-15	10/063323	2002-04-11	GLOBALFOUNDRIES Inc.	Granted
ULTRA HIGH-SPEED DRP-SRAM CACHE	6751151	2004-06-15	09/827073	2001-04-05	GLOBALFOUNDRIES Inc.	Granted
PREVENTION OF PARAMETRIC OR FUNCTIONAL CHANGES TO SILICON SEMICONDUCTOR DEVICE PROPERTIES DURING X-RAY INSPECTION	6751294	2004-06-15	10/215075	2002-08-08	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC PROCESS STATE ADJUSTMENT OF A PROCESSING TOOL TO REDUCE NON-UNIFORMITY	6751518	2004-06-15	10/134244	2002-04-29	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ENHANCING GATE PATTERNING PROPERTIES WITH REFLECTIVE HARD MASK	6753266	2004-06-22	09/845654	2001-04-30	GLOBALFOUNDRIES Inc.	Granted
HIGH IMPEDANCE ANTIFUSE	6753590	2004-06-22	10/064375	2002-07-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR REDUCTION OF CONTACT RESISTANCE OF METAL SILICIDES USING A METAL-GERMANIUM ALLOY	6753606	2004-06-22	09/94954	2001-11-27	GLOBALFOUNDRIES Inc.	Granted
ECONOMICAL HIGH DENSITY CHIP CARRIER	6753612	2004-06-22	09/827014	2001-04-05	GLOBALFOUNDRIES Inc.	Granted
SDRAM READ PREFETCH FROM MULTIPLE MASTER DEVICES	6754779	2004-06-22	09/278870	1999-08-23	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND PROGRAM PRODUCTS FOR OPERATIONALLY MIGRATING A CLUSTER THROUGH EMULATION	6754848	2004-06-22	09/408916	1999-09-30	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD TO PREDETERMINE A BITMAP OF A SELF-TESTED EMBEDDED ARRAY	6754864	2004-06-22	09/791003	2001-02-22	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CASCADE CONTROL USING INTEGRATED METROLOGY	6756243	2004-06-29	10/020551	2001-10-30	GLOBALFOUNDRIES Inc.	Granted
CMOS PROCESS WITH AN INTEGRATED, HIGH PERFORMANCE, SILICIDE AGGLOMERATION FUSE	6756255	2004-06-29	10/014064	2001-12-10	GLOBALFOUNDRIES Inc.	Granted
PATTERNED SOI REGIONS ON SEMICONDUCTOR CHIPS	6756257	2004-06-29	09/975435	2001-10-11	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON MOSFET HAVING IMPROVED SOURCE/RAIN EXTENSION DOPANT DIFFUSION RESISTANCE AND METHOD FOR ITS FABRICATION	6756276	2004-06-29	10/335522	2002-12-31	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING COPPER-BASED SEMICONDUCTOR DEVICES USING A SACRIFICIAL DIELECTRIC LAYER	6756297	2004-06-29	10/045895	2001-10-29	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING DUAL DAMASCENE INTERCONNECT STRUCTURE	6756300	2004-06-29	10/324259	2002-12-18	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING FLOATING BODY EFFECTS IN AN ASYMMETRICAL SOI DEVICE	6756637	2004-06-29	09/899957	2001-07-06	GLOBALFOUNDRIES Inc.	Granted
DUAL SILICON LAYER FOR CHEMICAL MECHANICAL POLISHING PLANARIZATION	6756643	2004-06-29	10/459579	2003-06-12	GLOBALFOUNDRIES Inc.	Granted
OXYNITRIDE GATE DIELECTRIC AND METHOD OF FORMING	6756646	2004-06-29	09/862372	2001-05-22	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR CHIP MODULE AND METHOD OF MANUFACTURE OF SAME	6756662	2004-06-29	10/254414	2002-09-25	GLOBALFOUNDRIES Inc.	Granted

PERIPHERAL INTERFACE CIRCUIT FOR HANDLING GRAPHICS RESPONSES IN AN I/O NODE OF A COMPUTER SYSTEM	6757755	2004-06-29	10/093346	2002-03-07	GLOBALFOUNDRIES Inc.	Granted
STACK SWITCHING MECHANISM IN A COMPUTER SYSTEM	6757771	2004-06-29	09/920459	2001-08-01	GLOBALFOUNDRIES Inc.	Granted
ALTERNATING CURRENT BUILT IN SELF TEST (AC BIST) WITH VARIABLE DATA RECEIVER VOLTAGE REFERENCE FOR PERFORMING HIGH-SPEED AC MEMORY SUBSYSTEM SELF-TEST	6757857	2004-06-29	09/829630	2001-04-10	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR DEVELOPER ENDPOINT DETECTION BY REFLECTOMETRY OR SCATTEROMETRY	6758612	2004-07-06	10/050471	2002-01-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR BURIED CIRCUITS AND DEVICES	6759282	2004-07-06	09/879530	2001-06-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING DIELECTRIC LAYERS	6759346	2004-07-06	10/270325	2002-10-15	GLOBALFOUNDRIES Inc.	Granted
MEMORY CELL WITH VERTICAL TRANSISTOR AND TRENCH CAPACITOR WITH REDUCED BURIED STRAP	6759702	2004-07-06	10/261559	2002-09-30	GLOBALFOUNDRIES Inc.	Granted
BUFFER CIRCUIT FOR A PERIPHERAL INTERFACE CIRCUIT IN AN I/O NODE OF A COMPUTER SYSTEM	6760791	2004-07-06	10/093125	2002-03-07	GLOBALFOUNDRIES Inc.	Granted
BUFFER CIRCUIT FOR ROTATING OUTSTANDING TRANSACTONS	6760792	2004-07-06	10/093270	2002-03-07	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR MONITORING AND CONTROLLING A POWER MANAGEABLE RESOURCE BASED UPON ACTIVITIES OF A PLURALITY OF DEVICES	6760852	2004-07-06	09/652647	2000-08-31	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE COMPENSATED DELAY FOR DDR SDRAM INTERFACE USING PROGRAMMABLE DELAY LOOP FOR REFERENCE CALIBRATION	6760856	2004-07-06	09/617558	2000-07-17	GLOBALFOUNDRIES Inc.	Granted
HIGH Q INDUCTOR WITH FARADAY SHIELD AND DIELECTRIC WELL BURIED IN SUBSTRATE	6762088	2004-07-13	10/336291	2003-01-03	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE DOUBLE-GATE FET	6762101	2004-07-13	10/411727	2003-04-11	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC PACKAGE HAVING HIGH DENSITY SIGNAL WIRES WITH LOW RESISTANCE	6762367	2004-07-13	10/246147	2002-09-17	GLOBALFOUNDRIES Inc.	Granted
NARROW FIN FINFET	6762483	2004-07-13	10/248910	2003-01-23	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR GRAPHICS RENDERING USING HARDWARE-EVENT-TRIGGERED EXECUTION OF CAPTURED GRAPHICS HARDWARE INSTRUCTIONS	6762761	2004-07-13	09/283387	1999-03-31	GLOBALFOUNDRIES Inc.	Granted
FAULT FREE FUSE NETWORK	6762918	2004-07-13	10/063858	2002-05-20	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR REMOVING DOPANT IONS FROM A SUBSTRATE	6764551	2004-07-20	09/971820	2001-10-05	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES WITH IMPROVED ADHESION TO Si AND C CONTAINING DIELECTRICS AND METHOD FOR PREPARING THE SAME	6764774	2004-07-20	10/174748	2002-06-19	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PATTERN FORMATION USING WAVELENGTHS	6764808	2004-07-20	10/083914	2002-02-27	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR WAFER INCLUDING A LOW DIELECTRIC CONSTANT THERMOSETTING POLYMER FILM AND METHOD OF MAKING SAME	6764873	2004-07-20	10/199287	2002-07-18	GLOBALFOUNDRIES Inc.	Granted
AMORPHOUS AND POLYCRYSTALLINE SILICON NANOLAMINATE	6764883	2004-07-20	10/338071	2003-01-07	GLOBALFOUNDRIES Inc.	Granted
NARROW WIDTH CMOS DEVICES FABRICATED ON STRAINED LATTICE SEMICONDUCTOR SUBSTRATES WITH MAXIMIZED NMOS AND PMOS DRIVE CURRENTS	6764908	2004-07-20	10/173770	2002-06-19	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING PATTERN DEFORMATION AND PHOTORESIST POISONING IN SEMICONDUCTOR DEVICE FABRICATION	6764949	2004-07-20	10/334392	2002-12-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING NITRIDE CAPPED CU LINES WITH REDUCED HILLOCK FORMATION	6764951	2004-07-20	10/84321	2002-02-28	GLOBALFOUNDRIES Inc.	Granted

SEMICONDUCTOR-ON-INSULATOR (SOI) WAFER HAVING A SIBS/GEST ACTIVE LAYER AND METHOD OF FABRICATION USING WAFER BONDING	6765227	2004-07-20	10/116791	2002-04-04	GLOBALFOUNDRIES Inc.	Granted
FINE-PI-BASED SRAM CELL	6765303	2004-07-20	10/429697	2003-05-06	GLOBALFOUNDRIES Inc.	Granted
TUNABLE COUPLER DEVICE AND OPTICAL FILTER	6766083	2004-07-20	10/268638	2002-10-10	GLOBALFOUNDRIES Inc.	Granted
DISK SUBSTRATE WITH MONOSIZED MICROBUMPS	6767584	2004-07-27	10/144510	2002-05-13	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRICAL MOSFET LAYOUT FOR HIGH CURRENTS AND HIGH SPEED OPERATION	6767779	2004-07-27	10/464400	2003-06-19	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING DUAL INLAD STRUCTURES FOR IC INTERCONNECTIONS	6767827	2004-07-27	10/459328	2003-06-11	GLOBALFOUNDRIES Inc.	Granted
OPEN-BOTTOMED VIA LINER STRUCTURE AND METHOD FOR FABRICATING SAME	6768203	2004-07-27	09/262690	1999-03-04	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE SUBARRAY DRAM HAVING A SINGLE SHARED SENSE AMPLIFIER	6768692	2004-07-27	10/207366	2002-07-29	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ELECTRICALLY BLOWING FUSES UNDER CONTROL OF AN ON-CHIP TESTER INTERFACE APPARATUS	6768694	2004-07-27	10/265591	2002-10-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR POWER NODE CURRENT WAVEFORM MODELING	6769100	2004-07-27	10/242235	2002-09-12	GLOBALFOUNDRIES Inc.	Granted
TRIANGULAR ASSIGNMENT OF PINS USED FOR DIAGONAL INTERCONNECTIONS BETWEEN DIAGONAL CHIPS IN A MULTI-CHIP MODULE	6769108	2004-07-27	10/099776	2002-03-14	GLOBALFOUNDRIES Inc.	Granted
PROCESS OF PASSIVATING A METAL-GATED COMPLEMENTARY METAL OXIDE SEMICONDUCTOR	6770900	2004-08-03	10/099004	2002-03-15	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR BONDING HEAT SINKS TO OVERMOLDS AND DEVICE FORMED THEREBY	6770968	2004-08-03	10/369778	2003-02-19	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR TESTING INTEGRATED CIRCUIT MODULES	6771087	2004-08-03	10/162421	2002-06-04	GLOBALFOUNDRIES Inc.	Granted
THERMALLY-ASSISTED MAGNETIC WRITING USING AN OXIDE LAYER AND CURRENT-INDUCED HEATING	6771534	2004-08-03	10/295678	2002-11-15	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND SOFTWARE FOR DATA DISTRIBUTION IN SEMICONDUCTOR MANUFACTURING AND METHOD THEREOF	6772034	2004-08-03	09/905226	2001-07-12	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED PLATING AND PLANARIZATION PROCESS AND APPARATUS THEREFOR	6773570	2004-08-10	10/294200	2002-11-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING CRITICAL DIMENSION VARIATION IN A LINE STRUCTURE	6773939	2004-08-10	09/897624	2001-07-02	GLOBALFOUNDRIES Inc.	Granted
TRANSFERABLE DEVICE-CONTAINING LAYER FOR SILICON-ON-INSULATOR APPLICATIONS	6774010	2004-08-10	09/769170	2001-01-25	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURES FOR DUAL DEPTH OXYGEN LAYERS IN SILICON-ON-INSULATOR PROCESSES	6774017	2004-08-10	10/190405	2002-07-03	GLOBALFOUNDRIES Inc.	Granted
INCORPORATION OF AN IMPURITY INTO A THIN FILM	6774019	2004-08-10	10/063846	2002-05-17	GLOBALFOUNDRIES Inc.	Granted
FLOATING INTERPOSER	6774315	2004-08-10	09/577457	2000-05-24	GLOBALFOUNDRIES Inc.	Granted
SOI MOSFET WITH ASYMMETRICAL SOURCE/BODY AND DRAIN/BODY JUNCTIONS	6774436	2004-08-10	09/900400	2001-07-05	GLOBALFOUNDRIES Inc.	Granted
FIN-BASED DOUBLE POLY DYNAMIC THRESHOLD CMOS FET WITH SPACER GATE AND METHOD OF FABRICATION	6774437	2004-08-10	09/683486	2002-01-07	GLOBALFOUNDRIES Inc.	Granted
CHIP COOLING	6774482	2004-08-10	10/330742	2002-12-27	GLOBALFOUNDRIES Inc.	Granted
NONINVASIVE OPTICAL METHOD AND SYSTEM FOR INSPECTING OR TESTING CMOS CIRCUITS	6774647	2004-08-10	10/072486	2002-02-07	GLOBALFOUNDRIES Inc.	Granted
RING OSCILLATOR CIRCUIT FOR EDRAM/DRAM PERFORMANCE MONITORING	6774734	2004-08-10	10/306200	2002-11-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR IDENTIFYING MISREGISTRATION IN A COMPLEMENTARY PHASE SHIFT MASK PROCESS	6774998	2004-08-10	10/034790	2001-12-27	GLOBALFOUNDRIES Inc.	Granted

SOFTWARE BASED MEMORY DESIGN GENERATOR	6775200	2004-08-10	10/236137	2003-01-03	GLOBALFOUNDRIES Inc.	Granted
PASSING VLAN INFORMATION THROUGH DESCRIPTORS	6775283	2004-08-10	09/477663	2000-01-05	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED DRAM SYSTEM HAVING WIDE DATA BANDWIDTH AND DATA TRANSFER DATA PROTOCOL	6775736	2004-08-10	10/062812	2002-01-31	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED PLATING AND PLANARIZATION APPARATUS HAVING A VARIABLE-DIAMETER COUNTERELECTRODE	6776885	2004-08-17	10/294199	2002-11-14	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR EVALUATING THE EFFECTS OF MULTIPLE EXPOSURE PROCESSES IN LITHOGRAPHY	6777147	2004-08-17	10/249944	2003-05-21	GLOBALFOUNDRIES Inc.	Granted
NITRIDE PEDESTAL FOR RAISED EXTRINSIC BASE HBT PROCESS	6777302	2004-08-17	10/250100	2003-06-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING DUAL WORKFUNCTION HIGH-PERFORMANCE SUPPORT MOSFETS IN EDRAM ARRAYS	6777733	2004-08-17	09/862827	2001-05-22	GLOBALFOUNDRIES Inc.	Granted
VERTICAL DRAM PUNCHTHROUGH STOP SELF-ALIGNED TO STORAGE TRENCH	6777737	2004-08-17	10/016605	2001-10-30	GLOBALFOUNDRIES Inc.	Granted
BEOL DECOUPLING CAPACITOR	6777809	2004-08-17	10/323132	2002-12-19	GLOBALFOUNDRIES Inc.	Granted
COMPLEMENTARY TWO TRANSISTOR ROM CELL	6778419	2004-08-17	10/063212	2002-03-29	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED DRAM SYSTEM HAVING WIDE DATA BANDWIDTH AND DATA TRANSFER DATA PROTOCOL	6778447	2004-08-17	10/062972	2002-01-31	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ANALYZING AND FILTERING TIMING RUNS USING COMMON TIMING CHARACTERISTICS	6779162	2004-08-17	10/042101	2002-01-07	GLOBALFOUNDRIES Inc.	Granted
SPACING VIOLATION CHECKER	6779165	2004-08-17	09/836164	2001-04-18	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED CORROSION STOP FOR COPPER CAND WIREBOND	6779711	2004-08-24	10/180777	2002-06-25	GLOBALFOUNDRIES Inc.	Granted
ORDERED TWO-PHASE DIELECTRIC FILM, AND SEMICONDUCTOR DEVICE CONTAINING THE SAME	6780699	2004-08-24	09/848153	2001-05-03	GLOBALFOUNDRIES Inc.	Granted
DOPING METHODS FOR FULLY-DEPLETED SOI STRUCTURES, AND DEVICE COMPRISING THE RESULTING DOPED REGIONS	6780686	2004-08-24	10/104319	2002-03-21	GLOBALFOUNDRIES Inc.	Granted
MOS TRANSISTOR	6780694	2004-08-24	10/238930	2003-01-08	GLOBALFOUNDRIES Inc.	Granted
BICMOS INTEGRATION SCHEME WITH RAISED EXTRINSIC BASE	6780695	2004-08-24	10/249563	2003-04-18	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING A NITRIDED SILICON-OXIDE GATE DIELECTRIC	6780720	2004-08-24	10/187572	2002-07-01	GLOBALFOUNDRIES Inc.	Granted
METHOD TO INCREASE CARBON AND BORON DOPING CONCENTRATIONS IN SI AND SiGe FILMS	6780735	2004-08-24	09/843783	2001-04-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IMAGE REVERSAL OF IMPLANT RESIST USING A SINGLE PHOTOLITHOGRAPHY EXPOSURE AND STRUCTURES FORMED THEREBY	6780736	2004-08-24	10/604099	2003-06-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR DETECTION AND MEASUREMENT OF ELECTRICAL AND MECHANICAL RESONANCE ASSOCIATED WITH AN E-BEAM LITHOGRAPHY TOOL	6781141	2004-08-24	10/284509	2002-10-29	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR HIGH DIELECTRIC CONSTANT DECOUPLING CAPACITOR STRUCTURES AND PROCESS FOR FABRICATION	6781185	2004-08-24	10/091193	2002-03-05	GLOBALFOUNDRIES Inc.	Granted
PROCESS OF FABRICATING A PRECISION MICROCONTACT PRINTING STAMP	6783717	2004-08-31	10/127373	2002-04-22	GLOBALFOUNDRIES Inc.	Granted
TOUGHNESS, ADHESION AND SMOOTH METAL LINES OF POROUS LOW K DIELECTRIC INTERCONNECT STRUCTURES	6783862	2004-08-31	10/290682	2002-11-08	GLOBALFOUNDRIES Inc.	Granted
CONTROL OF BURIED OXIDE IN SIMOX	6784072	2004-08-31	10/200822	2002-07-22	GLOBALFOUNDRIES Inc.	Granted
METHOD TO SELECTIVELY CAP INTERCONNECTS WITH INDIUM OR TIN BRONZES AND/OR OXIDES THEREOF AND THE INTERCONNECT SO CAPPED	6784088	2004-08-31	10/345288	2003-01-16	GLOBALFOUNDRIES Inc.	Granted
PHOSPHINE TREATMENT OF LOW DIELECTRIC CONSTANT MATERIALS IN SEMICONDUCTOR DEVICE MANUFACTURING	6784095	2004-08-31	10/073066	2002-02-12	GLOBALFOUNDRIES Inc.	Granted

FORMATION OF HIGH-K GATE DIELECTRIC LAYERS FOR MOS DEVICES FABRICATED ON STRAINED LATTICE SEMICONDUCTOR SUBSTRATES WITH MINIMIZED STRESS RELAXATION	6784101	2004-08-31	10/146029	2002-05-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR REPAIRING OR MODIFYING SURFACE CONNECTIONS ON CIRCUIT BOARDS	6784377	2004-08-31	10/205102	2002-07-25	GLOBALFOUNDRIES Inc.	Granted
RECTICLE DEFECT PRINTABILITY VERIFICATION BY RESIST LATENT IMAGE COMPARISON	6784446	2004-08-31	10/230714	2002-08-29	GLOBALFOUNDRIES Inc.	Granted
INSULATIVE CAP FOR LASER FUSING	6784516	2004-08-31	09/684463	2000-10-06	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL CONDUCTION ARRAY ON THE BOTTOM SIDE OF A TESTER THERMAL HEAD	6784668	2004-08-31	10/040002	2001-11-07	GLOBALFOUNDRIES Inc.	Granted
DIFFERENTIAL AMPLIFIER WITH INPUT GATE OXIDE BREAKDOWN AVOIDANCE	6784729	2004-08-31	10/218352	2002-08-14	GLOBALFOUNDRIES Inc.	Granted
POLARIZATION MEASUREMENT DEVICE AND METHOD	6784892	2004-08-31	10/283119	2003-03-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR ADAPTIVELY SCHEDULING TOOL MAINTENANCE	6785586	2004-08-31	09/791981	2001-02-23	GLOBALFOUNDRIES Inc.	Granted
PROCESS INDEPENDENT SOURCE SYNCHRONOUS DATA CAPTURE APPARATUS AND METHOD	6785832	2004-08-31	09/887792	2001-06-22	GLOBALFOUNDRIES Inc.	Granted
FAULT TOLERANT MEMORY SYSTEM UTILIZING MEMORY ARRAYS WITH HARD ERROR DETECTION	6785837	2004-08-31	09/716916	2000-11-20	GLOBALFOUNDRIES Inc.	Granted
CREATING A PROCESS RECIPE BASED ON A DESIRED RESULT	6787316	2004-09-07	10/154274	2002-05-22	GLOBALFOUNDRIES Inc.	Granted
METHOD TO FABRICATE SIGE HBTS WITH CONTROLLED CURRENT GAIN AND IMPROVED BREAKDOWN VOLTAGE CHARACTERISTICS	6787427	2004-09-07	10/676171	2003-10-01	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND TECHNIQUES FOR SCANNING ELECTRON BEAM BASED CHIP REPAIR	6787783	2004-09-07	10/321942	2002-12-17	GLOBALFOUNDRIES Inc.	Granted
TRENCH CAPACITOR DRAM CELL USING BURIED OXIDE AS ARRAY TOP OXIDE	6787838	2004-09-07	10/250259	2003-06-18	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR (SOI) DEVICE HAVING SOURCE/RAIN SILICON-GERMANIUM REGIONS	6787852	2004-09-07	10/278420	2002-10-23	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A FIN IN A FINETI DEVICE	6787854	2004-09-07	10/385753	2003-03-12	GLOBALFOUNDRIES Inc.	Granted
BARRIER MATERIAL FOR COPPER STRUCTURES	6787912	2004-09-07	10/132173	2002-04-26	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGY AND APPARATUS USING REAL-TIME OPTICAL SIGNAL FOR WAFER-LEVEL DEVICE DIELECTRICAL RELIABILITY STUDIES	6788093	2004-09-07	10/213882	2002-08-07	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR DIRECT WRITE TO DYNAMIC RANDOM ACCESS MEMORY (DRAM) USING PRET-BIT-SWITCH	6788591	2004-09-07	10/604909	2003-08-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS USING INTEGRATED METROLOGY DATA FOR PRE-PROCESS AND POST-PROCESS CONTROL	6788988	2004-09-07	10/023098	2001-12-17	GLOBALFOUNDRIES Inc.	Granted
SENSE-AMP BASED ADDER WITH SOURCE FOLLOWER EVALUATION TREE	6789099	2004-09-07	10/167170	2002-06-10	GLOBALFOUNDRIES Inc.	Granted
BACKSIDE INTEGRATED CIRCUIT DIE SURFACE FINISHING TECHNIQUE AND TOOL	6790125	2004-09-14	09/734225	2000-12-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR INTEGRATING DISPATCH AND PROCESS CONTROL ACTIONS	6790686	2004-09-14	10/323562	2002-12-18	GLOBALFOUNDRIES Inc.	Granted
LOGIC SOI STRUCTURE, PROCESS AND APPLICATION FOR VERTICAL BIPOlar TRANSISTOR	6790722	2004-09-14	09/718850	2000-11-22	GLOBALFOUNDRIES Inc.	Granted
PRESERVING TEOS HARD MASK USING COR FOR RAISED SOURCE- DRAIN INCLUDING REMOVABLE/DISPOSABLE SPACER	6790733	2004-09-14	10/249296	2003-03-28	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHODS FOR PROCESS INTEGRATION IN VERTICAL DRAM CELL FABRICATION	6790739	2004-09-14	10/249997	2003-05-27	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR BODY-SOURCE CONTACT AND METHOD	6790750	2004-09-14	10/163676	2002-06-06	GLOBALFOUNDRIES Inc.	Granted

PREPARATION OF STACK HIGH-K GATE DIELECTRICS WITH NITRIDED LAYER	6790755	2004-09-14	10/034163	2001-12-27	GLOBALFOUNDRIES Inc.	Granted
INTERPOSER CAPACITOR BUILT ON SILICON WAFER AND JOINED TO A CERAMIC SUBSTRATE	6791133	2004-09-14	10/200479	2002-07-19	GLOBALFOUNDRIES Inc.	Granted
I/O NODE FOR A COMPUTER SYSTEM INCLUDING AN INTEGRATED GRAPHICS ENGINE	6791554	2004-09-14	10/034560	2001-12-27	GLOBALFOUNDRIES Inc.	Granted
SCATTEROMETRY STRUCTURE WITH EMBEDDED RING OSCILLATOR, AND METHODS OF USING SAME	6791697	2004-09-14	10/104675	2002-03-21	GLOBALFOUNDRIES Inc.	Granted
REDUNDANT ARRAY ARCHITECTURE FOR WORD REPLACEMENT IN CAM	6791855	2004-09-14	10/041753	2003-08-14	GLOBALFOUNDRIES Inc.	Granted
FERROMAGNETIC RESONANCE SWITCHING FOR MAGNETIC RANDOM ACCESS MEMORY	6791868	2004-09-14	10/335671	2003-01-02	GLOBALFOUNDRIES Inc.	Granted
SRAM CELL WITH BOOTSTRAPPED POWER LINE	6791886	2004-09-14	10/448723	2003-05-30	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR AUTORING AND EXECUTING OPERATIONAL POLICIES THAT USE EVENT RATES	6792456	2004-09-14	09/567445	2000-05-08	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED COBALT SILICIDE PROCESS FOR SEMICONDUCTOR DEVICES	6793735	2004-09-21	09/748965	2000-12-27	GLOBALFOUNDRIES Inc.	Granted
ENHANCEMENT OF MAGNETIZATION SWITCHING SPEED IN SOFT FERROMAGNETIC FILMS THROUGH CONTROL OF EDGE STRESS ANISOTROPY	6793961	2004-09-21	10/717385	2003-11-19	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE INCORPORATING ELEMENTS FORMED OF REFRACTORY METAL-SILICON-NITROGEN AND METHOD FOR FABRICATION	6794226	2004-09-21	10/374395	2003-02-26	GLOBALFOUNDRIES Inc.	Granted
EXTENDIBLE PROCESS FOR IMPROVED TOP OXIDE LAYER FOR DRAM ARRAY AND THE GATE INTERCONNECTS WHILE PROVIDING SELF-ALIGNED GATE CONTACTS	6794242	2004-09-21	09/675435	2000-09-29	GLOBALFOUNDRIES Inc.	Granted
PASSIVATING INORGANIC BOTTOM ANTI-REFLECTIVE COATING (BARCO) USING RAPID THERMAL ANNEAL (RTA) WITH OXIDIZING GAS	6794279	2004-09-21	09/577706	2000-05-23	GLOBALFOUNDRIES Inc.	Granted
FEEDFORWARD TEMPERATURE CONTROL OF DEVICE UNDER TEST	6794620	2004-09-21	10/039525	2001-11-07	GLOBALFOUNDRIES Inc.	Granted
APPLICATIONS OF SPACE-CHARGE-LIMITED CONDUCTION INDUCED CURRENT INCREASE IN NITRIDE-OXIDE DIELECTRIC CAPACITORS	6794706	2004-09-21	10/064493	2002-07-22	GLOBALFOUNDRIES Inc.	Granted
INTEGRATION SYSTEM VIA METAL OXIDE CONVERSION	6794721	2004-09-21	10/328650	2002-12-23	GLOBALFOUNDRIES Inc.	Granted
WDS ANTIFUSE WITH LOW POST-PROGRAM RESISTANCE	6794726	2004-09-21	10/063376	2002-04-17	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR REDUCING SOFT ERRORS IN DYNAMIC CIRCUITS	6794901	2004-09-21	10/64921	2002-08-29	GLOBALFOUNDRIES Inc.	Granted
POWER STATE RESYNCHRONIZATION	6795927	2004-09-21	09/907083	2001-07-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR FAULT-TOLERANT STATIC TIMING ANALYSIS	6795951	2004-09-21	09/780558	2001-02-09	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR THE APPLICATION OF DEVELOPING SOLUTION TO A SEMICONDUCTOR WAFER	6796517	2004-09-28	09/522226	2000-03-09	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MAKING MULTIPLE THRESHOLD VOLTAGE FET USING MULTIPLE WORK-FUNCTION GATE MATERIALS	6797553	2004-09-28	10/205143	2002-07-24	GLOBALFOUNDRIES Inc.	Granted
VERTICAL THERMAL NITRIDE MASK (ANT-COLLAR) AND PROCESSING THEREOF	6797582	2004-09-28	10/426336	2003-04-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A RETROGRADE IMPLANT	6797592	2004-09-28	10/421969	2003-04-23	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MANUFACTURING DEVICE SUBSTRATE WITH METAL BACK-GATE AND STRUCTURE FORMED THEREBY	6797604	2004-09-28	09/817120	2001-03-27	GLOBALFOUNDRIES Inc.	Granted
SUBLITHOGRAPHIC PATTERNING USING MICROTRENCHING	6797610	2004-09-28	10/248019	2002-12-11	GLOBALFOUNDRIES Inc.	Granted
NICKEL ALLOY FOR SMOS PROCESS SILICIDATION	6797614	2004-09-28	10/40847	2003-05-19	GLOBALFOUNDRIES Inc.	Granted

GATE OXIDE STABILIZATION BY MEANS OF GERMANIUM COMPONENTS IN GATE CONDUCTOR	6797641	2004-09-28	10/141279	2002-05-08	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH REDUCED GATE DELAY AND METHOD OF FABRICATING THE SAME	6798028	2004-09-28	09/847622	2001-05-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING MICRO-ELECTROMECHANICAL SWITCHES ON CMOS COMPATIBLE SUBSTRATES	6798029	2004-09-28	10/434999	2003-05-09	GLOBALFOUNDRIES Inc.	Granted
GRAPHICS SUBSYSTEM INCLUDING A RAMDAC IC WITH DIGITAL VIDEO STORAGE INTERFACE FOR CONNECTION TO A GRAPHICS BUS	6798418	2004-09-28	09/577527	2000-05-24	GLOBALFOUNDRIES Inc.	Granted
REFLECTIVE LIGHT VALVE	6798475	2004-09-28	09/260869	1999-03-02	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT DETERMINING POLICIES FOR LAYER 3 FRAME FRAGMENTS IN A NETWORK SWITCH	6798788	2004-09-28	09/482957	2000-01-14	GLOBALFOUNDRIES Inc.	Granted
GUIDES LITHOGRAPHICALLY FABRICATED ON SEMICONDUCTOR DEVICES	6798953	2004-09-28	09/479109	2000-01-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR DETECTING A HARD FAILURE IN A MEMORY ARRAY	6799291	2004-09-28	09/716915	2000-11-20	GLOBALFOUNDRIES Inc.	Granted
BATCH/LOT ORGANIZATION BASED ON QUALITY CHARACTERISTICS	6799311	2004-09-28	10/183265	2002-06-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING COPPER BARRIER/SEED DEPOSITION PROCESSES	6800494	2004-10-05	10/150320	2002-05-17	GLOBALFOUNDRIES Inc.	Granted
MEMS ENCAPSULATED STRUCTURE AND METHOD OF MAKING SAME	6800503	2004-10-05	10/300520	2002-11-20	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF PATTERNED SILICON-ON-INSULATOR (SOI)/SILICON-ON-NOTHING (SON) COMPOSITE STRUCTURE BY POROUS Si ENGINEERING	6800518	2004-10-05	10/334220	2002-12-30	GLOBALFOUNDRIES Inc.	Granted
TRIPLE LAYER HARD MASK FOR GATE PATTERNING TO FABRICATE SCALED CMOS TRANSISTORS	6800530	2004-10-05	10/342420	2003-01-14	GLOBALFOUNDRIES Inc.	Granted
IMPLANTED ASYMMETRIC DOPED POLYSILICON GATE FINNET	6800905	2004-10-05	09/683328	2001-12-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A POLYSILICON CAPACITOR UTILIZING FET AND BIPOLAR BASE POLYSILICON LAYERS	6800921	2004-10-05	09/516615	2000-03-01	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT COOLING DEVICE	6800933	2004-10-05	09/840019	2001-04-23	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR PROVIDING CAPACITIVE SPARE FILL CELLS IN AN INTEGRATED CIRCUIT	6801051	2004-10-05	10/417002	2003-04-16	GLOBALFOUNDRIES Inc.	Granted
RING OSCILLATOR WITH EMBEDDED SCATTEROMETRY GRATE ARRAY	6801096	2004-10-05	10/348014	2003-01-22	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR CONVERTING OPTICAL BEAMS TO COLLIMATED FLAT-TOP BEAMS	6801368	2004-10-05	10/679058	2003-10-02	GLOBALFOUNDRIES Inc.	Granted
OPTICAL BACKPLANE ARRAY CONNECTOR	6801693	2004-10-05	10/272694	2002-10-16	GLOBALFOUNDRIES Inc.	Granted
CMOS PERFORMANCE ENHANCEMENT USING LOCALIZED VOIDS AND EXTENDED DEFECTS	6803270	2004-10-12	10/248819	2003-02-21	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR DEVICE HAVING NON-UNIFORM DEPTH BASE-EMITTER JUNCTION	6803642	2004-10-12	10/008383	2001-12-06	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR SUPPRESSING PACKAGED SEMICONDUCTOR CHIP CURVATURE WHILE MINIMIZING THERMAL IMPEDANCE AND MAXIMIZING SPEED/RELIABILITY	6803653	2004-10-12	10/010392	2001-12-07	GLOBALFOUNDRIES Inc.	Granted
EXTERNAL CPU ASSIST WHEN PERFORMING A NETWORK ADDRESS LOOKUP	6804234	2004-10-12	09/809016	2001-03-16	GLOBALFOUNDRIES Inc.	Granted
PROCESS CONTROL BASED ON TOOL HEALTH DATA	6804619	2004-10-12	10/231910	2002-08-30	GLOBALFOUNDRIES Inc.	Granted
USING TYPE BITS TO TRACK STORAGE OF ECC AND PREDECODE BITS IN A LEVEL TWO CACHE	6804799	2004-10-12	09/892328	2001-06-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CREATING HIGH-QUALITY RELAXED SICE-ON-INSULATOR FOR STRAINED SI CMOS APPLICATIONS	6805962	2004-10-19	10/055138	2002-01-23	GLOBALFOUNDRIES Inc.	Granted

EVU MASK WHICH FACILITATES ELECTRO-STATIC CHUCKING	6806007	2004-10-19	10/428270	2003-05-02	GLOBALFOUNDRIES Inc.	Granted
SUBSTRATE REMOVAL AS A FUNCTION OF EMITTED PHOTONS AT THE BACK SIDE OF A SEMICONDUCTOR CHIP	6806166	2004-10-19	09/379047	1999-08-23	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR USE OF AN EMBEDDED FIELD PROGRAMMABLE GATE ARRAY INTERCONNECT FOR FLEXIBLE I/O CONNECTIVITY	6806730	2004-10-19	10/016772	2001-12-10	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT FOR READING A PRESCRIBED LOCATION OF A FIFO BUFFER IN A NETWORK SWITCH PORT	6807183	2004-10-19	09/566732	2000-05-09	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR, METHOD AND APPARATUS WITH DESCRIPTOR TABLE STORING SEGMENT DESCRIPTORS OF VARYING SIZE	6807617	2004-10-19	09/824995	2001-04-02	GLOBALFOUNDRIES Inc.	Granted
MODEL BASED METAL OVERETCH CONTROL	6808591	2004-10-26	10/021531	2001-12-12	GLOBALFOUNDRIES Inc.	Granted
CMOS STRUCTURE WITH MAXIMIZED POLYSILICON GATE ACTIVATION AND A METHOD FOR SELECTIVELY MAXIMIZING DOPING ACTIVATION IN GATE, EXTENSION, AND SOURCE/RAIN REGIONS	6808974	2004-10-26	09/859021	2001-05-15	GLOBALFOUNDRIES Inc.	Granted
METHOD TO FABRICATE HIGH-PERFORMANCE NPN TRANSISTORS IN A BICMOS PROCESS	6809024	2004-10-26	10/249821	2003-05-09	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED BORDERLESS CONTACTS	6809027	2004-10-26	10/165264	2002-06-06	GLOBALFOUNDRIES Inc.	Granted
MULTI-STAGE, LOW DEPOSITION RATE PECVD OXIDE	6809043	2004-10-26	10/173611	2002-06-19	GLOBALFOUNDRIES Inc.	Granted
ADDRESSABLE AND ELECTRICALLY REVERSIBLE MEMORY SWITCH	6809955	2004-10-26	10/139746	2002-05-07	GLOBALFOUNDRIES Inc.	Granted
CORRELATING AN INLINE PARAMETER TO A DEVICE OPERATION PARAMETER	6810296	2004-10-26	10/254209	2002-09-25	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED DOG-BONE STRUCTURE FOR FINFET APPLICATIONS AND METHODS TO FABRICATE THE SAME	6812075	2004-11-02	10/428705	2003-05-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FILLING AN OPENING IN A MATERIAL LAYER WITH AN INSULATING MATERIAL	6812115	2004-11-02	10/403584	2003-03-31	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A VOLTAGE PROGRAMMING ELEMENT	6812122	2004-11-02	10/095889	2002-03-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A LOW LEAKAGE DIELECTRIC LAYER PROVIDING AN INCREASED CAPACITIVE COUPLING	6812159	2004-11-02	10/420635	2003-04-22	GLOBALFOUNDRIES Inc.	Granted
POLYSILICON LINEWIDTH MEASUREMENT STRUCTURE WITH EMBEDDED TRANSISTOR	6812506	2004-11-02	10/298923	2002-11-19	GLOBALFOUNDRIES Inc.	Granted
METHOD TO CONTROL DEVICE THRESHOLD OF SOI MOSFETS	6812527	2004-11-02	10/235147	2002-09-05	GLOBALFOUNDRIES Inc.	Granted
SOI BASED BIPOLAR TRANSISTOR HAVING A MAJORITY CARRIER ACCUMULATION LAYER AS SUBCOLLECTOR	6812533	2004-11-02	10/328694	2002-12-24	GLOBALFOUNDRIES Inc.	Granted
EPITAXIAL BASE BIPOLAR TRANSISTOR WITH RAISED EXTRINSIC BASE	6812545	2004-11-02	10/425270	2003-04-29	GLOBALFOUNDRIES Inc.	Granted
DEFECT-FREE DIELECTRIC COATINGS AND PREPARATION THEREOF USING POLYMERIC NITROGENOUS POROGENS	6812551	2004-11-02	10/371270	2003-02-21	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE BIDIRECTIONAL MIT TESTING METHODOLOGY AND DEVICE INCLUDING SAME	6813729	2004-11-02	09/595039	2000-06-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF SIMULTANEOUS DISPLAY OF DIE AND WAFER CHARACTERIZATION IN INTEGRATED CIRCUIT TECHNOLOGY DEVELOPMENT	6815233	2004-11-09	10/460615	2003-06-11	GLOBALFOUNDRIES Inc.	Granted
METHODS OF CONTROLLING FORMATION OF METAL SILICIDE REGIONS, AND SYSTEM FOR PERFORMING SAME	6815235	2004-11-09	10/304114	2002-11-25	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING MULTIPLE-PLANE FINFET CMOS	6815277	2004-11-09	10/645063	2003-08-21	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN SILICON-ON-INSULATOR AND STRAINED SILICON-DIRECT-ON-INSULATOR WITH HYBRID CRYSTAL ORIENTATIONS	6815278	2004-11-09	10/647395	2003-08-25	GLOBALFOUNDRIES Inc.	Granted
SILICON ON INSULATOR FIELD EFFECT TRANSISTOR HAVING SHARED BODY CONTACT	6815282	2004-11-09	10/460717	2003-06-12	GLOBALFOUNDRIES Inc.	Granted

POLYSILICON BACK-GATED SOI MOSFET FOR DYNAMIC THRESHOLD VOLTAGE CONTROL	6815296	2004-11-09	10/659950	2003-09-11	GLOBALFOUNDRIES Inc.	Granted
MULTILAYER INTERCONNECT STRUCTURE CONTAINING AIR GAPS AND METHOD FOR MAKING	6815329	2004-11-09	10/117797	2002-04-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING AN ELECTROLESS NUCLEATION LAYER ON A VIA BOTTOM	6815340	2004-11-09	10/145928	2002-05-15	GLOBALFOUNDRIES Inc.	Granted
UNIQUE FEATURE DESIGN ENABLING STRUCTURAL INTEGRITY FOR ADVANCED LOW K SEMICONDUCTOR CHIPS	6815346	2004-11-09	10/437208	2003-05-13	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR IMPROVING THE ETCH STABILITY OF ULTRA-THIN PHOTORESIST	6815359	2004-11-09	09/819552	2001-03-28	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE GATE MOSFET STRUCTURE WITH STRAINED Si FIN BODY	6815738	2004-11-09	10/377388	2003-02-28	GLOBALFOUNDRIES Inc.	Granted
INCORPORATION OF CARBON IN SILICON/SILICON GERMANIUM EPITAXIAL LAYER TO ENHANCE YIELD FOR SIGE BIPOLAR TECHNOLOGY	6815802	2004-11-09	10/122857	2002-04-15	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR SQUARE MULTIPLIER	6815997	2004-11-09	09/829160	2001-04-09	GLOBALFOUNDRIES Inc.	Granted
COMPLIANT LAMINATE CONNECTOR	6816385	2004-11-09	09/714373	2000-11-16	GLOBALFOUNDRIES Inc.	Granted
BI-DIRECTIONAL READ WRITE DATA STRUCTURE AND METHOD FOR MEMORY	6816397	2004-11-09	10/448776	2003-02-29	GLOBALFOUNDRIES Inc.	Granted
MAGNETIC RANDOM ACCESS MEMORY USING MEMORY CELLS WITH ROTATED MAGNETIC STORAGE ELEMENTS	6816431	2004-11-09	10/446297	2003-02-28	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR STATICALLY TIMING SOI DEVICES AND CIRCUITS	6816824	2004-11-09	09/294178	1999-04-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF EXTENDING THE AREAS OF CLEAR FIELD PHASE SHIFT GENERATION	6818358	2004-11-16	10/016439	2001-12-11	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING A CIRCUITIZED SUBSTRATE AND THE RESULTANT CIRCUITIZED SUBSTRATE	6818988	2004-11-16	10/205136	2002-07-25	GLOBALFOUNDRIES Inc.	Granted
SELF-TIMED AND SELF-TESTED FUSE BLOW	6819160	2004-11-16	10/293340	2002-11-13	GLOBALFOUNDRIES Inc.	Granted
ADAPTIVE ENERGY DETECTOR GAIN CONTROL IN PHYSICAL LAYER TRANSCIEVER FOR HOME TELEPHONE WIRE NETWORK	6819760	2004-11-16	09/336711	1999-06-21	GLOBALFOUNDRIES Inc.	Granted
VOLTAGE ISLAND CHIP IMPLEMENTATION	6820240	2004-11-16	10/065201	2002-09-25	GLOBALFOUNDRIES Inc.	Granted
REDUNDANT CONFIGURABLE VCSEL LASER ARRAY OPTICAL LIGHT SOURCE	6821026	2004-11-23	10/235435	2002-09-04	GLOBALFOUNDRIES Inc.	Granted
FULLY UNDERCUT RESIST SYSTEMS USING E-BEAM LITHOGRAPHY FOR THE FABRICATION OF HIGH RESOLUTION MR SENSORS	6821715	2004-11-23	09/853345	2001-05-10	GLOBALFOUNDRIES Inc.	Granted
RADIATION SENSITIVE SILICON-CONTAINING NEGATIVE RESISTS AND USE THEREOF	6821718	2004-11-23	10/657168	2003-09-09	GLOBALFOUNDRIES Inc.	Granted
THREE DIMENSIONAL CMOS INTEGRATED CIRCUITS HAVING DEVICE LAYERS BUILT ON DIFFERENT CRYSTAL ORIENTED WAFERS	6821826	2004-11-23	10/674644	2003-09-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SEPARATELY OPTIMIZING THIN GATE DIELECTRIC OF PMOS AND NMOS TRANSISTORS WITHIN THE SAME SEMICONDUCTOR CHIP AND DEVICE MANUFACTURED THEREBY	6821833	2004-11-23	10/605110	2003-09-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR CONTROLLING AN ELECTRICAL PROPERTY OF A FIELD EFFECT TRANSISTOR	6821859	2004-11-23	10/208564	2002-07-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IMPROVING ADHESION TO COPPER	6821890	2004-11-23	09/849530	2001-05-07	GLOBALFOUNDRIES Inc.	Granted
LINEWIDTH MEASUREMENT STRUCTURE WITH EMBEDDED SCATTEROMETRY STRUCTURE	6822260	2004-11-23	10/298664	2002-11-19	GLOBALFOUNDRIES Inc.	Granted
DUAL MAGNETIC TUNNEL JUNCTION SENSOR WITH A LONGITUDINAL BIAS STACK	6822838	2004-11-23	10/116017	2002-04-02	GLOBALFOUNDRIES Inc.	Granted

PARALLEL EDGE FILTERS IN VIDEO CODEC	6823087	2004-11-23	09/855871	2001-05-15	GLOBALFOUNDRIES Inc.	Granted
EVANESCENT WAVE TUNNELING OPTICAL SWITCH AND NETWORK	6823098	2004-11-23	10/227926	2002-08-26	GLOBALFOUNDRIES Inc.	Granted
HIERARCHICAL POWER SUPPLY NOISE MONITORING DEVICE AND SYSTEM FOR VERY LARGE SCALE INTEGRATED CIRCUITS	6823293	2004-11-23	10/334312	2002-12-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR INITIATING PARTIAL TRANSACTIONS IN A PERIPHERAL INTERFACE CIRCUIT FOR AN I/O NODE OF A COMPUTER SYSTEM	6823405	2004-11-23	10/093349	2002-03-07	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT FOR SECURITY AND MANAGEABILITY	6823451	2004-11-23	09/853447	2001-05-11	GLOBALFOUNDRIES Inc.	Granted
PHYSICAL DESIGN CHARACTERIZATION SYSTEM	6823496	2004-11-23	10/063427	2002-04-23	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED ALTERNATING PHASE SHIFT MASK PATTERNING PROCESS	6824922	2004-11-30	10/164242	2002-06-05	GLOBALFOUNDRIES Inc.	Granted
TRIPLE OXIDE FILL FOR TRENCH ISOLATION	6825097	2004-11-30	10/214510	2002-08-07	GLOBALFOUNDRIES Inc.	Granted
SYNTHESIS OF SOLUBLE DERIVATIVES OF SEXITHIOPHENE AND THEIR USE AS THE SEMICONDUCTING CHANNELS IN THIN-FILM FIELD-EFFECT TRANSISTORS	6825358	2004-11-30	10/057024	2002-01-25	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE ON A COMBINATION BULK SILICON AND SILICON-ON-INSULATOR (SOI) SUBSTRATE	6825534	2004-11-30	09/748256	2000-12-27	GLOBALFOUNDRIES Inc.	Granted
POWER REDUCTION BY STAGE IN INTEGRATED CIRCUIT	6825711	2004-11-30	10/249684	2003-04-30	GLOBALFOUNDRIES Inc.	Granted
SYNCHRONOUS DYNAMIC RANDOM ACCESS MEMORY DEVICE HAVING MEMORY COMMAND CANCEL FUNCTION	6826113	2004-11-30	10/249273	2003-03-27	GLOBALFOUNDRIES Inc.	Granted
ASSOCIATION OF PROCESS CONTEXT WITH CONFIGURATION DOCUMENT FOR MANUFACTURING PROCESS	6826437	2004-11-30	10/083956	2002-02-28	GLOBALFOUNDRIES Inc.	Granted
BROADBAND DISTRIBUTION OF SECS-II DATA	6826439	2004-11-30	09/576511	2000-05-23	GLOBALFOUNDRIES Inc.	Granted
PARAMETER VARIATION TOLERANT METHOD FOR CIRCUIT DESIGN OPTIMIZATION	6826733	2004-11-30	10/159921	2002-05-30	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED BUFFER INSERTION INCORPORATING CONGESTION RELIEF FOR USE IN CONNECTION WITH PHYSICAL DESIGN OF INTEGRATED CIRCUIT	6826740	2004-11-30	10/140517	2002-05-07	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR ACTIVE CONTROL OF BRSG DEPOSITION	6828162	2004-12-07	09/894434	2001-06-28	GLOBALFOUNDRIES Inc.	Granted
LITHOGRAPHY CONTRAST ENHANCEMENT TECHNIQUE BY VARYING FOCUS WITH WAVELENGTH MODULATION	6829040	2004-12-07	10/703643	2003-11-07	GLOBALFOUNDRIES Inc.	Granted
FERRULE-LESS OPTICAL FIBER APPARATUS FOR OPTICAL BACKPLANE CONNECTOR SYSTEMS	6829413	2004-12-07	10/307951	2002-12-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PRESERVING THE CONTENTS OF SYNCHRONOUS DRAM THROUGH SYSTEM RESET	6829677	2004-12-07	09/574186	2000-05-18	GLOBALFOUNDRIES Inc.	Granted
DESTRUCTIVE READ ARCHITECTURE FOR DYNAMIC RANDOM ACCESS MEMORIES	6829682	2004-12-07	09/843504	2001-04-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR IDENTIFYING INDIVIDUAL DIE DURING FAILURE ANALYSIS	6830941	2004-12-14	10/321000	2002-12-17	GLOBALFOUNDRIES Inc.	Granted
STRESS-RELIEVING HEATSINK STRUCTURE AND METHOD OF ATTACHMENT TO AN ELECTRONIC PACKAGE	6830960	2004-12-14	10/225860	2002-08-22	GLOBALFOUNDRIES Inc.	Granted
ALUMINUM NITRIDE AND ALUMINUM OXIDE/ALUMINUM NITRIDE HETEROSTRUCTURE GATE DIELECTRIC STACK BASED FIELD EFFECT TRANSISTORS AND METHOD FOR FORMING SAME	6831339	2004-12-14	09/755164	2001-01-08	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR REDUCING THERMO-MECHANICAL STRESS IN STACKED VIAS	6831363	2004-12-14	10/319032	2002-12-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A POROUS DIELECTRIC MATERIAL LAYER IN A SEMICONDUCTOR DEVICE AND DEVICE FORMED	6831364	2004-12-14	10/210173	2002-08-01	GLOBALFOUNDRIES Inc.	Granted

INTERCONNECTS CONTAINING FIRST AND SECOND POROUS LOW-K DIELECTRICS SEPARATED BY A POROUS BURIED ETCH STOP LAYER	6831366	2004-12-14	10/996274	2003-03-25	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE HAVING IN-SITU FORMED UNIT RESISTORS AND METHOD FOR FABRICATION	6831369	2004-12-14	10/705115	2003-11-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR READ BITLINE CLAMPING FOR GAIN CELL DRAM DEVICES	6831866	2004-12-14	10/604911	2003-08-26	GLOBALFOUNDRIES Inc.	Granted
PERSONAL COMPUTER SECURITY MECHANISM	6832317	2004-12-14	09/853437	2001-05-11	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR PROVIDING AN EXTERNAL CLOCK FROM A CIRCUIT IN SLEEP MODE IN A PROCESSOR-BASED SYSTEM	6832327	2004-12-14	09/969304	2001-10-02	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR ANALYZING POWER DISTRIBUTION USING STATIC TIMING ANALYSIS	6832361	2004-12-14	09/862427	2001-05-21	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATION OF RELAXED SICE BUFFER LAYERS ON SILICON-ON-INSULATORS AND STRUCTURES CONTAINING THE SAME	6833332	2004-12-21	10/323024	2002-12-18	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PLANAR DOUBLE-GATE PROCESS BY AMORPHIZATION	6833569	2004-12-21	10/328234	2002-12-23	GLOBALFOUNDRIES Inc.	Granted
HEAT REMOVAL IN SOI DEVICES USING A BURIED OXIDE LAYER/ CONDUCTIVE LAYER COMBINATION	6833587	2004-12-21	10/174328	2002-06-18	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING A U-SHAPED GATE STRUCTURE	6833588	2004-12-21	10/274867	2002-10-22	GLOBALFOUNDRIES Inc.	Granted
DYNAMICALLY PATTERNED SHIELDED HIGH-Q INDUCTOR	6833603	2004-12-21	10/604696	2003-08-11	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED BARRIER FORMED WITH AN ALLOY HAVING AT LEAST TWO DOPANT ELEMENTS FOR MINIMIZED RESISTANCE OF INTERCONNECT	6833625	2004-12-21	10/690434	2003-10-21	GLOBALFOUNDRIES Inc.	Granted
PHOTON BEACON	6833718	2004-12-21	10/324328	2002-12-20	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR SYNTHESIZING A FREQUENCY USING VERNIER DIVIDERS	6833764	2004-12-21	10/320851	2002-12-16	GLOBALFOUNDRIES Inc.	Granted
SHIFTABLE MAGNETIC SHIFT REGISTER AND METHOD OF USING THE SAME	6834005	2004-12-21	10/458554	2003-06-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR REORDERING PACKET TRANSACTIONS WITHIN A PERIPHERAL INTERFACE CIRCUIT	6834314	2004-12-21	10/093055	2002-03-07	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP LOGIC ANALYZER	6834360	2004-12-21	09/683091	2001-11-16	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED REAL-TIME DATA TRACING WITH LOW PIN COUNT OUTPUT	6834365	2004-12-21	09/907387	2001-07-17	GLOBALFOUNDRIES Inc.	Granted
SYSTEM ON A CHIP BUS WITH AUTOMATIC PIPELINE STAGE INSERTION FOR TIMING CLOSURE	6834378	2004-12-21	10/264162	2002-10-03	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR (SOI) INTEGRATED CIRCUIT (IC) CHIP WITH THE SILICON LAYERS CONSISTING OF REGIONS OF DIFFERENT THICKNESS	6835983	2004-12-28	10/280661	2002-10-25	GLOBALFOUNDRIES Inc.	Granted
PROTECTION OF FLOW-K ILD DURING DAMASCENE PROCESSING WITH THIN LINER	6836017	2004-12-28	10/759170	2004-01-20	GLOBALFOUNDRIES Inc.	Granted
MICRO-ELECTROMECHANICAL SWITCH HAVING A CONDUCTIVE COMPRESSIBLE ELECTRODE	6836029	2004-12-28	09/996148	2001-11-28	GLOBALFOUNDRIES Inc.	Granted
DIFFUSION RESISTOR/CAPACITOR (DRC) NON-ALIGNED MOSFET STRUCTURE	6838323	2005-01-04	10/341182	2003-01-13	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT ELEMENT HAVING A METAL SILICIDE REGION THERMALLY STABILIZED BY A BARRIER DIFFUSION MATERIAL	6838363	2005-01-04	10/402585	2003-03-28	GLOBALFOUNDRIES Inc.	Granted
CMOS DEVICE STRUCTURE WITH IMPROVED PHEET GATE ELECTRODE	6838695	2005-01-04	10/304163	2002-11-25	GLOBALFOUNDRIES Inc.	Granted

STRUCTURE HAVING EMBEDDED FLUSH CIRCUITRY FEATURES AND METHOD OF FABRICATING	6841228	2005-01-11	10/653295	2003-09-03	GLOBALFOUNDRIES Inc.	Granted
USE OF HYDROGEN IMPLANTATION TO IMPROVE MATERIAL PROPERTIES OF SILICON-GERMANIUM-ON-INSULATOR MATERIAL MADE BY THERMAL DIFFUSION	6841457	2005-01-11	10/196611	2002-07-16	GLOBALFOUNDRIES Inc.	Granted
LOW-GIDL MOSFET STRUCTURE AND METHOD FOR FABRICATION	6841826	2005-01-11	10/345472	2003-01-15	GLOBALFOUNDRIES Inc.	Granted
FULLY-DEPLETED SOI MOSFETS WITH LOW SOURCE AND DRAIN RESISTANCE AND MINIMAL OVERLAP CAPACITANCE USING A RECESSED CHANNEL DAMASCENE GATE PROCESS	6841831	2005-01-11	10/461821	2005-01-11	GLOBALFOUNDRIES Inc.	Granted
TWO TRANSISTOR NOR DEVICE	6842048	2005-01-11	10/201617	2002-11-22	GLOBALFOUNDRIES Inc.	Granted
METHOD AND PROCESS TO MAKE MULTIPLE-THRESHOLD METAL GATES CMOS TECHNOLOGY	6846734	2005-01-25	10/300165	2002-11-20	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL COUPLING OF SUBSTRATES BY CONDUCTIVE BUTTONS	6848914	2005-02-01	09/975213	2001-10-11	GLOBALFOUNDRIES Inc.	Granted
FULLY-DEPLETED-COLLECTOR SILICON-ON-INSULATOR (SOI) BIPOLAR TRANSISTOR USEFUL ALONE OR IN SOI BICMOS	6849871	2005-02-01	09/757965	2001-01-10	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING LATTICE-MATCHED STRUCTURE ON SILICON AND STRUCTURE FORMED THEREBY	6852575	2005-02-08	09/898039	2001-07-05	GLOBALFOUNDRIES Inc.	Granted
LEVEL SHIFT CIRCUITRY HAVING DELAY BOOST	6853234	2005-02-08	10/250159	2003-06-09	GLOBALFOUNDRIES Inc.	Granted
DRAM-BASED SEPARATE I/O MEMORY SOLUTION FOR COMMUNICATION APPLICATIONS	6854041	2005-02-08	10/065839	2002-11-25	GLOBALFOUNDRIES Inc.	Granted
ULTRA HIGH-SPEED SVISGE MODULATION-DOPED FIELD EFFECT TRANSISTORS ON ULTRA THIN SOI/SOI SUBSTRATE	6855963	2005-02-15	10/652400	2003-08-29	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED DOUBLE GATE TRANSISTOR HAVING A STRAINED CHANNEL REGION AND PROCESS THEREFOR	6855982	2005-02-15	10/770163	2004-02-02	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE FINFET GATE WITH SELECTIVE METAL INTERDIFFUSION	6855989	2005-02-15	10/674520	2003-10-01	GLOBALFOUNDRIES Inc.	Granted
CHIP AND WAFER INTEGRATION PROCESS USING VERTICAL CONNECTIONS	6856025	2005-02-15	10/465506	2003-06-19	GLOBALFOUNDRIES Inc.	Granted
SRAM CELL WITH WELL CONTACTS AND P+ DIFFUSION CROSSING TO GROUND OR N+ DIFFUSION CROSSING TO VDD	6856031	2005-02-15	10/771824	2004-02-03	GLOBALFOUNDRIES Inc.	Granted
PASSIVE IMPEDANCE NETWORK FOR ROTATING A PHASE SYSTEM	6856946	2005-02-15	10/324761	2002-12-20	GLOBALFOUNDRIES Inc.	Granted
I/O NODE FOR A COMPUTER SYSTEM INCLUDING AN INTEGRATED GRAPHICS ENGINE AND AN INTEGRATED I/O HUB	6857033	2005-02-15	10/034967	2001-12-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DILL LOCK LATENCY DETECTION	6859413	2005-02-22	10/260087	2002-09-27	GLOBALFOUNDRIES Inc.	Granted
LADDER-TYPE GATE STRUCTURE FOR FOUR-TERMINAL SOI SEMICONDUCTOR DEVICE	6861716	2005-03-01	10/605861	2003-10-31	GLOBALFOUNDRIES Inc.	Granted
INTERRUPTABLE AND RE-ENTERABLE SYSTEM MANAGEMENT MODE PROGRAMMING CODE	6862641	2005-03-01	09/853234	2001-05-11	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF DUAL WORK-FUNCTION METAL GATE STRUCTURE FOR COMPLEMENTARY FIELD EFFECT TRANSISTORS	6864163	2005-03-08	10/283523	2002-10-30	GLOBALFOUNDRIES Inc.	Granted
GERMANIUM FIELD EFFECT TRANSISTOR AND METHOD OF FABRICATING THE SAME	6864520	2005-03-08	10/116568	2002-04-04	GLOBALFOUNDRIES Inc.	Granted
COUPLED BODY CONTACTS FOR SOI DIFFERENTIAL CIRCUITS	6868000	2005-03-15	10/436432	2003-05-12	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON ON RELAXED SIGE FILM WITH UNIFORM MISHT DISLOCATION DENSITY	6872641	2005-03-29	10/667603	2003-09-23	GLOBALFOUNDRIES Inc.	Granted
CIRCULAR BUFFER USING GROUPING FOR FIND FIRST FUNCTION	6873184	2005-03-29	10/653802	2003-09-03	GLOBALFOUNDRIES Inc.	Granted

METAL-INSULATOR-METAL CAPACITOR AND METHOD OF FABRICATION	6876028	2005-04-05	10/605444	2003-09-30	GLOBALFOUNDRIES Inc.	Granted
FULLY-DEPLETED SOI DEVICE	6876037	2005-04-05	10/796731	2004-03-09	GLOBALFOUNDRIES Inc.	Granted
ADDITIONAL GATE CONTROL FOR A DOUBLE-GATE MOSFET	6876042	2005-04-05	10/653105	2003-09-03	GLOBALFOUNDRIES Inc.	Granted
LOW-POWER BAND-GAP REFERENCE AND TEMPERATURE SENSOR CIRCUIT	6876250	2005-04-05	10/345039	2003-01-15	GLOBALFOUNDRIES Inc.	Granted
NON-ABRUPT SWITCHING OF SLEEP TRANSISTOR OF POWER GATE STRUCTURE	6876252	2005-04-05	10/609360	2003-06-28	GLOBALFOUNDRIES Inc.	Granted
UNIFIED SRAM CACHE SYSTEM FOR AN EMBEDDED DRAM SYSTEM HAVING A MICRO-CELL ARCHITECTURE	6876557	2005-04-05	09/879653	2001-06-12	GLOBALFOUNDRIES Inc.	Granted
DECODE PATH GATED LOW ACTIVE POWER SRAM	6876595	2005-04-05	10/455601	2003-06-05	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR ACHROMATIZING OPTICAL BEAMS	6879448	2005-04-12	10/609237	2003-06-26	GLOBALFOUNDRIES Inc.	Granted
NONVOLATILE MEMORY DEVICE UTILIZING SPIN-VALVE-TYPE DESIGNS AND CURRENT PULSES	6879512	2005-04-12	10/154796	2002-05-24	GLOBALFOUNDRIES Inc.	Granted
PLASMA ENHANCED LINER	6882052	2005-04-19	10/665322	2003-09-20	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR CONTROL PARAMETER RE-CENTERING IN A CONTROLLED PHASE LOCK LOOP SYSTEM	6882230	2005-04-19	10/604095	2003-06-26	GLOBALFOUNDRIES Inc.	Granted
COINCIDENCE-FREE MEDIA KEY BLOCK FOR CONTENT PROTECTION FOR RECORDABLE MEDIA	6883097	2005-04-19	09/575740	2000-05-22	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED NANOTUBE FIELD EFFECT TRANSISTOR AND METHOD OF FABRICATING SAME	6891227	2005-05-10	10/102365	2002-03-20	GLOBALFOUNDRIES Inc.	Granted
COMPLEMENTARY METAL OXIDE SEMICONDUCTOR (CMOS) GATE STACK WITH HIGH DIELECTRIC CONSTANT GATE DIELECTRIC AND INTEGRATED DIFFUSION BARRIER	6891231	2005-05-10	09/879105	2001-06-13	GLOBALFOUNDRIES Inc.	Granted
BET WITH T-SHAPED GATE	6891235	2005-05-10	09/713830	2000-11-15	GLOBALFOUNDRIES Inc.	Granted
REFERENCE CURRENT GENERATION SYSTEM AND METHOD	6891357	2005-05-10	10/249545	2003-04-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM OF AUTOMATIC DELAY DETECTION AND RECEIVER ADJUSTMENT FOR SYNCHRONOUS BUS INTERFACE	6892314	2005-05-10	09/824389	2001-04-02	GLOBALFOUNDRIES Inc.	Granted
SOFT ERROR RESISTANT SEMICONDUCTOR DEVICE	6894390	2005-05-17	10/649049	2003-08-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR LOW DENSITY PARITY CHECK ENCODING OF DATA	6895547	2005-05-17	09/902859	2001-07-11	GLOBALFOUNDRIES Inc.	Granted
MAGNETIC-FIELD SENSOR DEVICE	6897650	2005-05-24	10/073755	2002-02-11	GLOBALFOUNDRIES Inc.	Granted
ADAPTIVE INTEGRATED CIRCUIT BASED ON TRANSISTOR CURRENT MEASUREMENTS	6897674	2005-05-24	10/604186	2003-06-30	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR DETECTING LOSS OF HIGH-SPEED SIGNAL	6897712	2005-05-24	10/604799	2003-08-18	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR WRITING TO A MAGNETIC SHIFT REGISTER	6898132	2005-05-24	10/458147	2003-06-10	GLOBALFOUNDRIES Inc.	Granted
ENHANCED HIGH-FREQUENCY VIA INTERCONNECTION FOR IMPROVED RELIABILITY	6900395	2005-05-31	10/306756	2002-11-26	GLOBALFOUNDRIES Inc.	Granted
DIFUSED EXTRINSIC BASE AND METHOD FOR FABRICATION	6900519	2005-05-31	10/865138	2004-06-10	GLOBALFOUNDRIES Inc.	Granted
LOWER POWER AND REDUCED DEVICE SPLIT LOCAL AND CONTINUOUS BITLINE FOR DOMINO READ SRAMS	6901003	2005-05-31	10/616847	2003-07-10	GLOBALFOUNDRIES Inc.	Granted
DIODE STRUCTURE FOR SOI CIRCUITS	6905924	2005-06-14	10/629436	2003-07-29	GLOBALFOUNDRIES Inc.	Granted
GROWING COPPER VIAS OR LINES WITHIN A PATTERNED RESIST USING A COPPER SEED LAYER	6905950	2005-06-14	09/893198	2001-06-27	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF MAKING STRAINED CHANNEL CMOS TRANSISTORS HAVING LATTICE MISMATCHED EPITAXIAL EXTENSION AND SOURCE AND DRAIN REGIONS	6906360	2005-06-14	10/605134	2003-09-10	GLOBALFOUNDRIES Inc.	Granted
METHOD TO FABRICATE HIGH PERFORMANCE NPN TRANSISTORS IN A BICMOS PROCESS	6906401	2005-06-14	10/856503	2004-05-28	GLOBALFOUNDRIES Inc.	Granted

STRUCTURE AND METHOD FOR SILICIDED METAL GATE TRANSISTORS	6908850	2005-06-21	10/605130	2003-09-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS TO MAKE A SEMICONDUCTOR CHIP SUSCEPTIBLE TO RADIATION FAILURE	6909159	2005-06-21	10/176233	2002-06-20	GLOBALFOUNDRIES Inc.	Granted
ULTRA THIN CHANNEL MOSFET	6914303	2005-07-05	10/650229	2003-08-28	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND PROGRAM PRODUCTS FOR OPERATIONALLY MIGRATING A CLUSTER THROUGH EMULATION	6915452	2005-07-05	10/797878	2004-03-10	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR INCORPORATING DRIVER SIZING INTO BUFFER INSERTION USING A DELAY PENALTY ESTIMATION TECHNIQUE	6915496	2005-07-05	10/255469	2002-09-26	GLOBALFOUNDRIES Inc.	Granted
RELIABLE LOW-K INTERCONNECT STRUCTURE WITH HYBRID DIELECTRIC	6917108	2005-07-12	10/294139	2002-11-14	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE LOW-POWER HIGH-FREQUENCY DIVIDER	6917662	2005-07-12	10/661050	2003-09-11	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD OF TRANSFER PRINTING AN ORGANIC SEMICONDUCTOR	6918982	2005-07-19	10/314632	2002-12-09	GLOBALFOUNDRIES Inc.	Granted
BIASED, TRIPLE-WEEL FULLY DEPLETED SOI STRUCTURE, AND VARIOUS METHODS OF MAKING AND OPERATING SAME	6919236	2005-07-19	10/104939	2002-03-21	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE-GATE MOS DEVICE AND METHOD FOR MAKING THE SAME	6919250	2005-07-19	10/442131	2003-05-21	GLOBALFOUNDRIES Inc.	Granted
LOADLESS NMOS FOUR TRANSISTOR DYNAMIC DUAL VT SRAM CELL	6920061	2005-07-19	10/649200	2003-08-27	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR READING DATA STORED ON A MAGNETIC SHIFT REGISTER	6920062	2005-07-19	10/685828	2003-10-14	GLOBALFOUNDRIES Inc.	Granted
ASSEMBLY FOR WRITING AND/OR ERASING HIGH DENSITY DATA ON A MEDIA	6920088	2005-07-19	09/774943	2001-01-31	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR REMOTE OPTICAL DIGITAL NETWORKING OF COMPUTING DEVICES	6920289	2005-07-19	09/775374	2001-02-01	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS OF LOCAL WORD-LINE REDUNDANCY IN CAM	6920525	2005-07-19	10/199788	2002-07-19	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING METAL REPLACEMENT GATE OF HIGH PERFORMANCE	6921711	2005-07-26	10/605106	2003-09-09	GLOBALFOUNDRIES Inc.	Granted
NARROW FIN FINFET	6921963	2005-07-26	10/830006	2004-04-23	GLOBALFOUNDRIES Inc.	Granted
COMPLEMENTARY TWO TRANSISTOR ROM CELL	6922349	2005-07-26	10/864238	2004-06-09	GLOBALFOUNDRIES Inc.	Granted
ATA/SATA COMBINED CONTROLLER	6922738	2005-07-26	10/259710	2002-09-27	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON MOSFET HAVING REDUCED LEAKAGE AND METHOD OF ITS FORMATION	6924182	2005-08-02	10/642375	2003-08-15	GLOBALFOUNDRIES Inc.	Granted
POWER SWITCH CIRCUIT SIZING TECHNIQUE	6924661	2005-08-02	10/248696	2003-02-10	GLOBALFOUNDRIES Inc.	Granted
LATCH CIRCUIT WITH METASTABILITY TRAP AND METHOD THEREFOR	6924682	2005-08-02	10/683823	2003-10-10	GLOBALFOUNDRIES Inc.	Granted
PACKET CLASSIFICATION USING HASH KEY SIGNATURES GENERATED FROM INTERRUPTED HASH FUNCTION	6925085	2005-08-02	09/588295	2000-06-07	GLOBALFOUNDRIES Inc.	Granted
HIGH SPEED LATERAL HETEROJUNCTION MISFET'S REALIZED BY 2-DIMENSIONAL BANDGAP ENGINEERING AND METHODS THEREOF	6927414	2005-08-09	10/462933	2003-06-17	GLOBALFOUNDRIES Inc.	Granted
SPLIT POLY-SIG/PLY-SI ALLOY GATE STACK	6927454	2005-08-09	10/680820	2003-10-07	GLOBALFOUNDRIES Inc.	Granted
SEMI-DIGITAL DELAY-LOCKED LOOP USING AN ANALOG-BASED FINITE STATE MACHINE	6927611	2005-08-09	10/696139	2003-10-29	GLOBALFOUNDRIES Inc.	Granted
SELF-TEST ARCHITECTURE TO IMPLEMENT DATA COLUMN REDUNDANCY IN A RAM	6928377	2005-08-09	10/658940	2003-09-09	GLOBALFOUNDRIES Inc.	Granted
ROBUST ULTRA-LOW K INTERCONNECT STRUCTURES USING BRIDGE-THEN-METALLIZATION FABRICATION SEQUENCE	6930034	2005-08-16	10/331038	2002-12-27	GLOBALFOUNDRIES Inc.	Granted

TERMINATING RESISTOR DRIVER FOR HIGH SPEED DATA COMMUNICATION	6930506	2005-08-16	10/065475	2002-10-22	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR INTERFACE SIGNALING USING SINGLE-ENDED AND DIFFERENTIAL DATA SIGNALS	6933752	2005-08-23	09/870623	2001-05-31	GLOBALFOUNDRIES Inc.	Granted
COMPUTER CHIP HEAT RESPONSIVE METHOD AND APPARATUS	6934658	2005-08-23	10/401410	2003-03-27	GLOBALFOUNDRIES Inc.	Granted
STRAINED-SILICON DEVICES WITH DIFFERENT SILICON THICKNESSES	6936506	2005-08-30	10/442975	2003-05-22	GLOBALFOUNDRIES Inc.	Granted
INCREASED CAPACITANCE TRENCH CAPACITOR	6936879	2005-08-30	10/4409778	2003-04-08	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE SILICIDATION OF GATES IN SEMICONDUCTOR DEVICES TO ACHIEVE MULTIPLE THRESHOLD VOLTAGES	6936882	2005-08-30	10/614001	2003-07-08	GLOBALFOUNDRIES Inc.	Granted
BICMOS TECHNOLOGY ON SOI SUBSTRATES	6936910	2005-08-30	10/708743	2004-03-23	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE PEAKING RECEIVER AND METHOD	6937054	2005-08-30	10/250043	2003-05-30	GLOBALFOUNDRIES Inc.	Granted
PREVENTION OF TAZOS MIM CAP SHORTING IN THE BEOL ANNEAL CYCLES	6940117	2005-09-06	10/249550	2003-04-17	GLOBALFOUNDRIES Inc.	Granted
VARIATION OF EFFECTIVE FILTER CAPACITANCE IN PHASE LOCK LOOP CIRCUIT LOOP FILTERS	6940324	2005-09-06	10/707121	2003-11-21	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC DEVICE SUBSTRATE ASSEMBLY WITH MULTILAYER IMPERMEABLE BARRIER AND METHOD OF MAKING	6940712	2005-09-06	10/197661	2002-07-17	GLOBALFOUNDRIES Inc.	Granted
HIGH SPEED EMBEDDED DRAM WITH SRAM-LIKE INTERFACE	6941414	2005-09-06	09/855240	2001-05-15	GLOBALFOUNDRIES Inc.	Granted
DATA PROCESSING SYSTEM AND DATA PROCESSING METHOD	6942157	2005-09-13	10/241979	2002-09-11	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR ON INSULATOR MOSFET HAVING STRAINED SILICON CHANNEL	6943087	2005-09-13	10/738529	2003-12-17	GLOBALFOUNDRIES Inc.	Granted
ATOMIC LAYER DEPOSITION OF METALLIC CONTACTS, GATES AND DIFFUSION BARRIERS	6943097	2005-09-13	10/643534	2003-08-19	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT HAVING PAIRS OF PARALLEL, COMPLEMENTARY FINFETS	6943405	2005-09-13	10/604206	2003-07-01	GLOBALFOUNDRIES Inc.	Granted
TRENCH OPTICAL DEVICE	6943409	2005-09-13	10/709699	2004-05-24	GLOBALFOUNDRIES Inc.	Granted
COOLING OF SURFACE TEMPERATURE OF A DEVICE	6943444	2005-09-13	10/699122	2003-10-30	GLOBALFOUNDRIES Inc.	Granted
RELAXED, LOW-DEFECT SGOI FOR STRAINED SI CMOS APPLICATIONS	6946373	2005-09-20	10/300189	2002-11-20	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED ISOLATION DOUBLE GATE FET	6946696	2005-09-20	10/328285	2002-12-23	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR AND METHOD OF FABRICATING A HIGH-MOBILITY FIELD-EFFECT TRANSISTOR	6949761	2005-09-27	10/685013	2003-10-14	GLOBALFOUNDRIES Inc.	Granted
FULLY-DEPLETED-COLLECTOR SILICON-ON-INSULATOR (SOI) BIPOLAR TRANSISTOR USEFUL ALONE OR IN SOI BICMOS	6949764	2005-09-27	10/993244	2004-11-19	GLOBALFOUNDRIES Inc.	Granted
PLANAR SUBSTRATE DEVICES INTEGRATED WITH FINFETS AND METHOD OF MANUFACTURE	6949768	2005-09-27	10/711974	2004-10-18	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC THRESHOLD FOR VCO CALIBRATION	6949981	2005-09-27	10/708233	2004-02-18	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT FOR SEARCHING PACKET POLICIES USING MULTI-KEY HASH SEARCHES IN A NETWORK SWITCH	6950434	2005-09-27	09/496212	2000-02-01	GLOBALFOUNDRIES Inc.	Granted
CU INTERCONNECTS WITH COMPOSITE BARRIER LAYERS FOR WATER-TO-WAVER UNIFORMITY	6952052	2005-10-04	10/811860	2004-03-30	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING LEAKAGE CURRENT IN SUB ONE VOLT SOI CIRCUITS	6952113	2005-10-04	10/644211	2003-08-20	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC RANDOM ACCESS MEMORY WITH SMART REFRESH SCHEDULER	6954387	2005-10-11	10/604375	2003-07-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR COMMUNICATING CONFIGURATION DATA FOR A PERIPHERAL DEVICE OF A MICROCONTROLLER VIA A SCAN PATH	6954879	2005-10-11	10/661894	2003-09-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF GROWING AS A CHANNEL REGION TO REDUCE SOURCE/RAIN JUNCTION CAPACITANCE	6955969	2005-10-18	10/654497	2003-09-03	GLOBALFOUNDRIES Inc.	Granted

TRANSFER MOLDING OF INTEGRATED CIRCUIT PACKAGES	6956296	2005-10-18	10/681513	2003-10-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PERFORMING PRIORITY-BASED FLOW CONTROL	6957269	2005-10-18	09/752719	2001-01-03	GLOBALFOUNDRIES Inc.	Granted
MODEL CHECKING WITH LAYERED LOCALIZATION REDUCTION	6957404	2005-10-18	10/328112	2002-12-20	GLOBALFOUNDRIES Inc.	Granted
FACILITATING THE USE OF ALIASES DURING THE DEBUGGING OF APPLICATIONS	6957419	2005-10-18	10/099849	2002-03-15	GLOBALFOUNDRIES Inc.	Granted
HIGH-DIELECTRIC CONSTANT INSULATORS FOR FEOL CAPACITORS	6958506	2005-10-25	10/688308	2003-10-17	GLOBALFOUNDRIES Inc.	Granted
DISCRIMINATIVE SOI WITH OXIDE HOLES UNDERNEATH DC SOURCE/DRAIN	6958516	2005-10-25	10/754320	2004-01-08	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC STRUCTURES WITH REDUCED CAPACITANCE	6958526	2005-10-25	10/766249	2004-01-27	GLOBALFOUNDRIES Inc.	Granted
BIPOlar TRANSISTOR SELF-ALIGNMENT WITH RAISED EXTRINSIC BASE EXTENSION AND METHODS OF FORMING SAME	6960820	2005-11-01	10/604212	2003-07-01	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE FREQUENCY DIVIDER WITH SYMMETRICAL OUTPUT	6961403	2005-11-01	10/709804	2004-05-28	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC HANDLING OF LINK FAILURES	6961876	2005-11-01	09/961014	2001-09-21	GLOBALFOUNDRIES Inc.	Granted
DISCRETE NANO-TEXTURED STRUCTURES IN BIOMOLECULAR ARRAYS, AND METHOD OF USE	6962822	2005-11-08	10/214951	2002-08-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A FINFET	6962843	2005-11-08	10/605905	2003-11-05	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY CHIP CARRIER WITH INTEGRATED PASSIVE DEVICES	6962872	2005-11-08	10/930304	2004-08-31	GLOBALFOUNDRIES Inc.	Granted
THIN FILM TRANSISTORS USING SOLUTION PROCESSED PENTACENE PRECURSOR AS ORGANIC SEMICONDUCTOR	6963080	2005-11-08	10/2000630	2002-11-20	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC OPTIMIZATION OF LATENCY AND BANDWIDTH ON DRAM INTERFACES	6963516	2005-11-08	10/306142	2002-11-27	GLOBALFOUNDRIES Inc.	Granted
ADMISSION CONTROL IN A NETWORK DEVICE	6963536	2005-11-08	09/814816	2001-03-23	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR IDENTIFYING DATA PACKET AT WIRE RATE ON A NETWORK SWITCH PORT	6963565	2005-11-08	09/637015	2000-08-14	GLOBALFOUNDRIES Inc.	Granted
ADAPTIVE PHASE LOCKED LOOP	6963629	2005-11-08	09/918809	2001-07-31	GLOBALFOUNDRIES Inc.	Granted
SOI TRENCH CAPACITOR CELL INCORPORATING A LOW-LEAKAGE FLOATING BODY ARRAY TRANSISTOR	6964897	2005-11-15	10/250157	2003-06-09	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE GATE SEMICONDUCTOR PROCESSING WITH LOCAL THINNING OF CHANNEL REGION	6967175	2005-11-22	10/726619	2003-12-04	GLOBALFOUNDRIES Inc.	Granted
FINFET SRAM CELL USING LOW MOBILITY PLANE FOR CELL STABILITY AND METHOD FOR FORMING	6967351	2005-11-22	10/011351	2001-12-04	GLOBALFOUNDRIES Inc.	Granted
LATERAL DIODE WITH MULTIPLE SPACERS	6967363	2005-11-22	10/676904	2003-10-01	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR OPTICAL FILM MEASUREMENTS IN A CONTROLLED ENVIRONMENT	6967715	2005-11-22	10/310759	2002-12-06	GLOBALFOUNDRIES Inc.	Granted
CONCURRENT REFRESH MODE WITH DISTRIBUTED ROW ADDRESS COUNTERS IN AN EMBEDDED DRAM	6967885	2005-11-22	10/757846	2004-01-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR CONFIGURING TERMINATORS IN A SERIAL COMMUNICATION SYSTEM	6968413	2005-11-22	10/266132	2002-10-07	GLOBALFOUNDRIES Inc.	Granted
PEUDO RANDOM OPTIMIZED BUILT-IN SELF-TEST	6968489	2005-11-22	10/055275	2002-01-23	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING BURIED PLATE OF TRENCH CAPACITOR	6969648	2005-11-29	10/604081	2003-06-25	GLOBALFOUNDRIES Inc.	Granted
DUAL GATED FINFET GAIN CELL	6970372	2005-11-29	10/879833	2004-06-29	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR STORING DATA IN AN UNPATTERNERED, CONTINUOUS MAGNETIC LAYER	6970379	2005-11-29	10/685835	2003-10-14	GLOBALFOUNDRIES Inc.	Granted
ENHANCED T-GATE STRUCTURE FOR MODULATION DOPED FIELD EFFECT TRANSISTORS	6972440	2005-12-06	10/750697	2004-01-02	GLOBALFOUNDRIES Inc.	Granted
ISOLATION STRUCTURES FOR IMPOSING STRESS PATTERNS	6974981	2005-12-13	10/318600	2002-12-12	GLOBALFOUNDRIES Inc.	Granted

EMBEDDED INDUCTOR AND METHOD OF MAKING	6975199	2005-12-13	10/016090	2001-12-13	GLOBALFOUNDRIES Inc.	Granted
QUASI-STATIC RANDOM ACCESS MEMORY	6975532	2005-12-13	10/887983	2004-07-08	GLOBALFOUNDRIES Inc.	Granted
MAGNETIC RANDOM ACCESS MEMORY USING MEMORY CELLS WITH ROTATED MAGNETIC STORAGE ELEMENTS	6975555	2005-12-13	10/976598	2004-10-29	GLOBALFOUNDRIES Inc.	Granted
OPTICAL APERTURE FOR DATA RECORDING HAVING TRANSMISSION ENHANCED BY WAVEGUIDE MODE RESONANCE	6975580	2005-12-13	10/090589	2002-02-28	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO IMPROVE CHANNEL MOBILITY BY GATE ELECTRODE STRESS MODIFICATION	6977194	2005-12-20	10/695752	2003-10-30	GLOBALFOUNDRIES Inc.	Granted
LITHOGRAPHY METHOD AND SYSTEM WITH ADJUSTABLE REFLECTOR	6977718	2005-12-20	10/791263	2004-03-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR ADAPTIVE FRAME TRACKING	6978412	2005-12-20	09/375120	1999-08-16	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT FOR COMPENSATING CHARGE LEAKAGE IN A LOW PASS FILTER CAPACITOR OF PLL SYSTEMS	6980038	2005-12-27	10/840561	2004-05-06	GLOBALFOUNDRIES Inc.	Granted
FLOW CONTROL ARRANGEMENT IN A NETWORK SWITCH BASED ON PRIORITY TRAFFIC	6981054	2005-12-27	09/618291	2000-07-18	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED GATE MOSFET WITH SEPARATE GATES	6982460	2006-01-03	09/612260	2000-07-07	GLOBALFOUNDRIES Inc.	Granted
OPTICAL APERTURE FOR DATA RECORDING HAVING TRANSMISSION ENHANCED BY SURFACE PLASMON RESONANCE	6982844	2006-01-03	10/026029	2001-12-18	GLOBALFOUNDRIES Inc.	Granted
PRECURSOR SOURCE MIXTURES	6984591	2006-01-10	09/553997	2000-04-20	GLOBALFOUNDRIES Inc.	Granted
BETA CONTROL USING A RAPID THERMAL OXIDATION	6984593	2006-01-10	10/653912	2003-09-04	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHODS FOR INTEGRALLY PACKAGING OPTOELECTRONIC DEVICES, IC CHIPS AND OPTICAL TRANSMISSION LINES	6985645	2006-01-10	10/669944	2003-09-24	GLOBALFOUNDRIES Inc.	Granted
SYSTEM-ON-A-CHIP STRUCTURE HAVING A MULTIPLE CHANNEL BUS BRIDGE	6985988	2006-01-10	09/708494	2000-11-09	GLOBALFOUNDRIES Inc.	Granted
SIGNAL BALANCING BETWEEN VOLTAGE DOMAINS	6986116	2006-01-10	10/248302	2003-01-07	GLOBALFOUNDRIES Inc.	Granted
HIGH-DENSITY FINFET INTEGRATION SCHEME	6987289	2006-01-17	10/984578	2004-11-09	GLOBALFOUNDRIES Inc.	Granted
MULTILAYER CERAMIC SUBSTRATE WITH SINGLE VIA ANCHORED PAD AND METHOD OF FORMING	6987316	2006-01-17	10/707810	2004-01-14	GLOBALFOUNDRIES Inc.	Granted
NON-VOLATILE MULTISTABLE MEMORY DEVICE AND METHODS OF MAKING AND USING THE SAME	6987689	2006-01-17	10/645240	2003-08-20	GLOBALFOUNDRIES Inc.	Granted
CLIENT SIDE, WEB-BASED SPREADSHEET	6988241	2006-01-17	09/714024	2000-11-15	GLOBALFOUNDRIES Inc.	Granted
USE OF THIN SOI TO INHIBIT RELAXATION OF SICE LAYERS	6989058	2006-01-24	10/654232	2003-09-03	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING FINFET GATES WITHOUT LONG ETCHES	6989308	2006-01-24	10/798907	2004-03-11	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING ULTRA-THIN SILICIDATION-STOP EXTENSIONS IN MOSFET DEVICES	6989322	2006-01-24	10/707175	2003-11-25	GLOBALFOUNDRIES Inc.	Granted
COPPER DAMASCENE WITH LOW-K CAPPING LAYER AND IMPROVED ELECTROMIGRATION RELIABILITY	6989601	2006-01-24	10/946071	2004-09-22	GLOBALFOUNDRIES Inc.	Granted
ON CHIP TIMING ADJUSTMENT IN MULTI-CHANNEL FAST DATA TRANSFER	6990644	2006-01-24	10/063394	2002-04-18	GLOBALFOUNDRIES Inc.	Granted
NEGATIVE PHOTORESIST COMPOSITION INVOLVING NON-CROSSLINKING CHEMISTRY	6991890	2006-01-31	10/773930	2004-02-06	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE INTEGRATION SCHEME FOR DEVELOPING METAL-INSULATOR-METAL CAPACITORS	6992344	2006-01-31	10/319724	2002-12-13	GLOBALFOUNDRIES Inc.	Granted
FINFET HAVING SUPPRESSED PARASITIC DEVICE CHARACTERISTICS	6992354	2006-01-31	10/604086	2003-06-25	GLOBALFOUNDRIES Inc.	Granted
PRODUCTION OF METAL INSULATOR METAL (MIM) STRUCTURES USING ANODIZING PROCESS	6992368	2006-01-31	10/422794	2003-04-25	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC PACKAGE HAVING A THERMAL STRETCHING LAYER	6992379	2006-01-31	09/947098	2001-09-05	GLOBALFOUNDRIES Inc.	Granted

ANALOG UNIDIRECTIONAL SERIAL LINK ARCHITECTURE	6993107	2006-01-31	09/996053	2001-11-28	GLOBALFOUNDRIES Inc.	Granted
HIGH SPEED CLOCK DIVIDER WITH SYNCHRONOUS PHASE START-UP OVER PHYSICALLY DISTRIBUTED SPACE	6993671	2006-01-31	10/249291	2003-03-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A CAPACITOR HAVING SIDEWALL SPACER PROTECTING THE DIELECTRIC LAYER	6993814	2006-02-07	10/057185	2002-01-25	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE INTERPOSER FOR A CHIP PACKAGE USING DEFORMABLE BUTTON CONTACTS	6994570	2006-02-07	10/765042	2004-01-28	GLOBALFOUNDRIES Inc.	Granted
THERMALLY CONDUCTIVE INTEGRATED CIRCUIT MOUNTING STRUCTURES	6994584	2006-02-07	10/231560	2002-08-30	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR LATCH-UP PULSE-RADIATION DETECTOR	6995376	2006-02-07	10/604204	2003-07-01	GLOBALFOUNDRIES Inc.	Granted
ELECTRODE STRUCTURE FOR ELECTRONIC AND OPTO-ELECTRONIC DEVICES	6995391	2006-02-07	10/499538	2002-11-26	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH FULLY SILICIDED SOURCE/DRAIN AND DAMASCENE METAL GATE	6995438	2006-02-07	10/674478	2003-10-01	GLOBALFOUNDRIES Inc.	Granted
HIGH MOBILITY PLANE CMOS SOI	6998684	2006-02-14	10/708907	2004-03-31	GLOBALFOUNDRIES Inc.	Granted
REFRACTIVE INDEX SYSTEM MONITOR AND CONTROL FOR IMMERSION LITHOGRAPHY	6999254	2006-02-14	10/967845	2004-10-18	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN BODY SUPER-STEEP RETROGRADE WELL (SSRW) FET DEVICES	7002214	2006-02-21	10/710736	2004-07-30	GLOBALFOUNDRIES Inc.	Granted
TUNABLE THIN FILM OPTICAL DEVICES AND FABRICATION METHODS FOR TUNABLE THIN FILM OPTICAL DEVICES	7002646	2006-02-21	10/388538	2003-03-17	GLOBALFOUNDRIES Inc.	Granted
DIRECT CONVERSION RECEIVER HAVING A GAIN-SETTING DEPENDENT FILTER PARAMETER	7003271	2006-02-21	10/284642	2002-10-31	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR ON INSULATOR SUBSTRATE AND DEVICES FORMED THEREFROM	7005302	2006-02-28	10/819441	2004-04-07	GLOBALFOUNDRIES Inc.	Granted
GLOBAL PLANARIZATION OF WAFER SCALE PACKAGE WITH PRECISION DIE THICKNESS CONTROL	7005319	2006-02-28	10/993941	2004-11-19	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MEMORY CELL ON SILICON-ON INSULATOR SUBSTRATE	7005665	2006-02-28	10/708667	2004-03-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MONITORING AND CONTROLLING IMAGING IN IMMERSION LITHOGRAPHY SYSTEMS	7006209	2006-02-28	10/628021	2003-07-25	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR MANUFACTURING A PRINTED WIRING BOARD	7007378	2006-03-07	10/317329	2002-12-12	GLOBALFOUNDRIES Inc.	Granted
OUT OF THE BOX VERTICAL TRANSISTOR FOR EDRAM ON SOI	7009237	2006-03-07	10/709450	2004-05-06	GLOBALFOUNDRIES Inc.	Granted
SOI DEVICE WITH REDUCED JUNCTION CAPACITANCE	7009251	2006-03-07	10/422665	2003-04-24	GLOBALFOUNDRIES Inc.	Granted
LOW CAPACITANCE FET FOR OPERATION AT SUBTHRESHOLD VOLTAGES	7009265	2006-03-07	10/710007	2004-06-11	GLOBALFOUNDRIES Inc.	Granted
INDIRECT SWITCHING AND SENSING OF PHASE CHANGE MEMORY CELLS	7009694	2006-03-07	10/856547	2004-05-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF OPTIMIZING AND ANALYZING SELECTED PORTIONS OF A DIGITAL INTEGRATED CIRCUIT	7010763	2006-03-07	10/436213	2003-05-12	GLOBALFOUNDRIES Inc.	Granted
EXTENDING THE RANGE OF LITHOGRAPHIC SIMULATION INTEGRALS	7010776	2006-03-07	10/694466	2003-10-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR ELIMINATION OF BUBBLES IN IMMERSION MEDIUM IN IMMERSION LITHOGRAPHY SYSTEMS	7014966	2006-03-21	10/653844	2003-09-02	GLOBALFOUNDRIES Inc.	Granted
ROUGHENED BONDING PAD AND BONDING WIRE SURFACES FOR LOW PRESSURE WIRE BONDING	7015580	2006-03-21	10/722704	2003-11-25	GLOBALFOUNDRIES Inc.	Granted
LOW-K DIELECTRIC MATERIAL SYSTEM FOR IC APPLICATION	7015581	2006-03-21	11/037995	2005-01-18	GLOBALFOUNDRIES Inc.	Granted
DUMMY METAL FILL SHAPES FOR IMPROVED RELIABILITY OF HYBRID OXIDE/LOW-K DIELECTRICS	7015582	2006-03-21	10/605891	2003-11-04	GLOBALFOUNDRIES Inc.	Granted
RETRY MECHANISM FOR BLOCKING INTERFACES	7016994	2006-03-21	10/285935	2002-11-01	GLOBALFOUNDRIES Inc.	Granted

PERFORMANCE BUILT-IN SELF TEST SYSTEM FOR A DEVICE AND A METHOD OF USE	7017094	2006-03-21	10/304246	2002-11-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF VERIFYING THE PLACEMENT OF SUB-RESOLUTION ASSIST FEATURES IN A PHOTOMASK LAYOUT	7018746	2006-03-28	10/249509	2003-04-15	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC CIRCUIT WITH IMPROVED CURRENT STABILIZATION	7020485	2006-03-28	10/324806	2002-12-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PROVIDING NOISE SUPPRESSION IN A INTEGRATED CIRCUIT	7020857	2006-03-28	10/063859	2002-05-20	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATION OF MINICAP AND RESISTOR AT SAME LEVEL	7022246	2006-04-04	10/336992	2003-01-06	GLOBALFOUNDRIES Inc.	Granted
HIGH SPEED PHOTODIODE WITH A BARRIER LAYER FOR BLOCKING OR ELIMINATING SLOW PHOTONIC CARRIERS AND METHOD FOR FORMING SAME	7022544	2006-04-04	10/321660	2002-12-18	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING RECTANGULAR-SHAPED SPACERS FOR SEMICONDUCTOR DEVICES	7022596	2006-04-04	10/747680	2003-12-30	GLOBALFOUNDRIES Inc.	Granted
DYNAMICALLY ADJUSTABLE PROBE TIPS	7022976	2006-04-04	10/405295	2003-04-02	GLOBALFOUNDRIES Inc.	Granted
TRENCH CAPACITOR VERTICAL STRUCTURE	7023041	2006-04-04	10/341187	2003-01-13	GLOBALFOUNDRIES Inc.	Granted
CMOS ON HYBRID SUBSTRATE WITH DIFFERENT CRYSTAL ORIENTATIONS USING SILICON-TO-SILICON DIRECT WAFER BONDING	7023057	2006-04-04	10/799380	2004-03-12	GLOBALFOUNDRIES Inc.	Granted
TRENCHES TO REDUCE LATERAL SILICIDE GROWTH IN INTEGRATED CIRCUIT TECHNOLOGY	7023059	2006-04-04	10/791094	2004-03-01	GLOBALFOUNDRIES Inc.	Granted
TEMPERATURE STABLE METAL NITRIDE GATE ELECTRODE	7023064	2006-04-04	10/710063	2004-06-16	GLOBALFOUNDRIES Inc.	Granted
VERY LOW EFFECTIVE DIELECTRIC CONSTANT INTERCONNECT STRUCTURES AND METHODS FOR FABRICATING THE SAME	7023093	2006-04-04	10/280283	2002-10-24	GLOBALFOUNDRIES Inc.	Granted
SIGE LATTICE ENGINEERING USING A COMBINATION OF OXIDATION, THINNING AND EPITAXIAL GROWTH	7026249	2006-04-11	10/448954	2003-05-30	GLOBALFOUNDRIES Inc.	Granted
ORGANIC N-CHANNEL SEMICONDUCTOR DEVICE OF N,N' 3,4,9,10 PERYLENE TETRACARBOXYLIC DIMIDE	7026643	2006-04-11	10/014766	2001-12-11	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD FOR DETERMINING AN ILLUMINATION INTENSITY PROFILE OF AN ILLUMINATOR FOR A LITHOGRAPHY SYSTEM	7027130	2006-04-11	10/833651	2004-04-28	GLOBALFOUNDRIES Inc.	Granted
COOLING SYSTEM FOR A SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING SAME	7029951	2006-04-18	10/661299	2003-09-12	GLOBALFOUNDRIES Inc.	Granted
SELF ALIGNED DAMASCENE GATE	7029958	2006-04-18	10/699887	2003-11-04	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING A STRAINED SILICON ON A SIGE ON SOI SUBSTRATE	7029964	2006-04-18	10/706061	2003-11-13	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR PATTERNING FEATURES IN SEMICONDUCTOR DEVICES	7030008	2006-04-18	10/661041	2003-09-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING DAMASCENE STRUCTURE UTILIZING PLANARIZING MATERIAL COUPLED WITH DIFFUSION BARRIER MATERIAL	7030031	2006-04-18	10/604056	2003-06-24	GLOBALFOUNDRIES Inc.	Granted
LOW K AND ULTRA LOW K SICOH DIELECTRIC FILMS AND METHODS TO FORM THE SAME	7030468	2006-04-18	10/758724	2004-01-16	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY CHIP CARRIER WITH INTEGRATED PASSIVE DEVICES	7030481	2006-04-18	10/314589	2002-12-09	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING A SELF-ALIGNED NANOCOLUMNAR AIRBRIDGE AND STRUCTURE PRODUCED THEREBY	7030495	2006-04-18	10/804553	2004-03-19	GLOBALFOUNDRIES Inc.	Granted

COMPUTER GRAPHICS PROCESSING SYSTEM, COMPUTER MEMORY, AND METHOD OF USE WITH COMPUTER GRAPHICS PROCESSING SYSTEM UTILIZING HIERARCHICAL IMAGE DEPTH BUFFER	7030877	2006-04-18	10/090507	2002-03-04	GLOBALFOUNDRIES Inc.	Granted
MAGNETIC SHIFT REGISTER WITH SHIFTABLE MAGNETIC DOMAINS BETWEEN TWO REGIONS, AND METHOD OF USING THE SAME	7031178	2006-04-18	10/984055	2004-11-09	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR PROGRAMMABLE MEMORY ACCESS SLOT ASSIGNMENT	7031305	2006-04-18	09/317156	1999-05-24	GLOBALFOUNDRIES Inc.	Granted
METHODS OF CONTROLLING GATE ELECTRODE DOPING, AND SYSTEMS FOR ACCOMPLISHING SAME	7033873	2006-04-25	10/246572	2002-09-18	GLOBALFOUNDRIES Inc.	Granted
ENGINEERED METAL GATE ELECTRODE	7033888	2006-04-25	10/806117	2004-03-23	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF DUAL WORK-FUNCTION METAL GATE STRUCTURE FOR COMPLEMENTARY FIELD EFFECT TRANSISTORS	7033919	2006-04-25	11/042426	2005-01-25	GLOBALFOUNDRIES Inc.	Granted
DOUBLE SILICON-ON-INSULATOR (SOI) METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (MOSFET) STRUCTURES	7034362	2006-04-25	10/688692	2003-10-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SUM-ADDRESSED CELL ENCODER FOR ENHANCED COMPARE AND SEARCH TIMING FOR CAM COMPARE	7035127	2006-04-25	10/970522	2004-10-21	GLOBALFOUNDRIES Inc.	Granted
TRANSPORT STREAM PARSER	7035335	2006-04-25	09/854586	2001-05-11	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR FACILITATING COMMUNICATION ACROSS AN ASYNCHRONOUS CLOCK BOUNDARY	7035983	2006-04-25	10/423993	2003-04-25	GLOBALFOUNDRIES Inc.	Granted
COPPER TO ALUMINUM INTERLAYER INTERCONNECT USING STUD AND VIA LINER	7037824	2006-05-02	10/844533	2004-05-13	GLOBALFOUNDRIES Inc.	Granted
NON-PLANARIZED, SELF-ALIGNED, NON-VOLATILE PHASE-CHANGE MEMORY ARRAY AND METHOD OF FORMATION	7038231	2006-05-02	10/835814	2004-04-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND INTERFACE FOR GLITCH-FREE CLOCK SWITCHING	7039146	2006-05-02	09/760560	2001-01-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR POWERING DOWN THE CPU/MEMORY CONTROLLER COMPLEX WHILE PRESERVING THE SELF-REFRESH STATE OF MEMORY IN THE SYSTEM	7039755	2006-05-02	09/584301	2000-05-31	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR INITIATING A SLEEP STATE IN A SYSTEM ON A CHIP DEVICE	7039819	2006-05-02	10/426487	2003-04-30	GLOBALFOUNDRIES Inc.	Granted
RETAINING FLAG VALUE ASSOCIATED WITH DEAD RESULT DATA IN FREED RENAME PHYSICAL REGISTER WITH AN INDICATOR TO SELECT SET-ASIDE REGISTER INSTEAD FOR RENAMING	7043626	2006-05-09	10/676636	2003-10-01	GLOBALFOUNDRIES Inc.	Granted
PIGGYBACKING OF ECC CORRECTIONS BEHIND LOADS	7043679	2006-05-09	10/180207	2002-06-27	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR FORMING A BATTERY IN AN INTEGRATED CIRCUIT	7045372	2006-05-16	10/632652	2003-08-02	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DETERMINING METAL WORK FUNCTION BY FORMATION OF SCHOTTKY DIODES WITH SHADOW MASK	7045384	2006-05-16	10/614031	2003-07-08	GLOBALFOUNDRIES Inc.	Granted
NONVOLATILE MEMORY DEVICE USING SEMICONDUCTOR NANOCRYSTALS AND METHOD OF FORMING SAME	7045851	2006-05-16	10/465797	2003-06-20	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC THRESHOLD VOLTAGE MOSFET ON SOI	7045873	2006-05-16	10/728750	2003-12-08	GLOBALFOUNDRIES Inc.	Granted
LOW POWER MANAGER FOR STANDBY OPERATION OF MEMORY SYSTEM	7046572	2006-05-16	10/250233	2003-06-16	GLOBALFOUNDRIES Inc.	Granted
DIGITALLY CONTROLLED FILTER TUNING FOR WLAN COMMUNICATION DEVICES	7050762	2006-05-23	10/970266	2004-10-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR ARCHITECTURAL POWER ESTIMATION	7051300	2006-05-23	10/655390	2003-09-04	GLOBALFOUNDRIES Inc.	Granted

SYSTEM AND METHOD FOR ACTIVE CONTROL OF ETCH PROCESS	7052575	2006-05-30	09/845454	2001-04-30	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD USING IN SITU SCATTEROMETRY TO DETECT PHOTORESIST PATTERN INTEGRITY DURING THE PHOTOLITHOGRAPHY PROCESS	7052921	2006-05-30	10/934192	2004-09-03	GLOBALFOUNDRIES Inc.	Granted
FINFET CMOS WITH NVRAM CAPABILITY	7052958	2006-05-30	10/675625	2003-09-30	GLOBALFOUNDRIES Inc.	Granted
SYNTHESIS AND APPLICATION OF PHOTORESISTIVE PENTACENE PRECURSOR IN ORGANIC THIN FILM TRANSISTORS	7053401	2006-05-30	10/323899	2002-12-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING COMMON-MODE OUTPUT VOLTAGE IN FULLY DIFFERENTIAL AMPLIFIERS	7053712	2006-05-30	10/710745	2004-07-30	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR BLOCKING CACHE USE DURING DEBUGGING	7055006	2006-05-30	10/426755	2003-04-30	GLOBALFOUNDRIES Inc.	Granted
CUSTOMIZED MESH PLANE, METHOD AND COMPUTER PROGRAM PRODUCT FOR CREATING CUSTOMIZED MESH PLANES WITHIN ELECTRONIC PACKAGES	7055119	2006-05-30	10/632183	2003-07-31	GLOBALFOUNDRIES Inc.	Granted
USE OF BASE DEVELOPERS AS IMMERSION LITHOGRAPHY FLUID	7056646	2006-06-06	10/676749	2003-10-01	GLOBALFOUNDRIES Inc.	Granted
FET GATE STRUCTURE WITH METAL GATE ELECTRODE AND SILICIDE CONTACT	7056794	2006-06-06	10/707757	2004-01-09	GLOBALFOUNDRIES Inc.	Granted
HIGH MOBILITY HETEROJUNCTION COMPLEMENTARY FIELD EFFECT TRANSISTORS AND METHODS THEREOF	7057216	2006-06-06	10/698122	2003-10-31	GLOBALFOUNDRIES Inc.	Granted
SILICON CARRIER FOR OPTICAL INTERCONNECT MODULES	7058247	2006-06-06	10/738064	2003-12-17	GLOBALFOUNDRIES Inc.	Granted
EQUALIZING CIRCUIT WITH NOTCH COMPENSATION FOR A DIRECT CONVERSION RECEIVER	7058381	2006-06-06	10/361088	2003-02-07	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR ESTIMATING THE TEMPORAL VALIDITY OF LOCATION REPORTS THROUGH PATTERN ANALYSIS	7058668	2006-06-06	10/042366	2002-01-11	GLOBALFOUNDRIES Inc.	Granted
COMPUTER SYSTEM INITIALIZATION VIA BOOT CODE STORED IN A NON-VOLATILE MEMORY HAVING AN INTERFACE COMPATIBLE WITH SYNCHRONOUS DYNAMIC RANDOM ACCESS MEMORY	7058779	2006-06-06	10/091766	2002-03-05	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF CAPACITOR HAVING A FIN STRUCTURE	7060553	2006-06-13	11/216862	2005-08-31	GLOBALFOUNDRIES Inc.	Granted
DEEP FILLED VIAS	7060624	2006-06-13	10/639989	2003-08-13	GLOBALFOUNDRIES Inc.	Granted
FUSE LATCH WITH COMPENSATED PROGRAMMABLE RESISTIVE TRIP POINT	7061304	2006-06-13	10/707963	2004-01-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MONITORING AND CONTROLLING IMAGING IN IMMERSION LITHOGRAPHY SYSTEMS	7061578	2006-06-13	10/638927	2003-08-11	GLOBALFOUNDRIES Inc.	Granted
ADDRESS WRAP FUNCTION FOR ADDRESSABLE MEMORY DEVICES	7061821	2006-06-13	10/072346	2002-02-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CHIP-COOLING	7063127	2006-06-20	10/665798	2003-09-18	GLOBALFOUNDRIES Inc.	Granted
POSITIVE PHOTORESIST COMPOSITION WITH A POLYMER INCLUDING A FLUOROSULFONAMIDE GROUP AND PROCESS FOR ITS USE	7063931	2006-06-20	10/753989	2004-01-08	GLOBALFOUNDRIES Inc.	Granted
IMPLANTED ASYMMETRIC DOPED POLY-SILICON GATE FINFET	7064019	2006-06-20	10/869624	2004-06-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE TO USE AN ETCH RESISTANT LINER ON TRANSISTOR GATE STRUCTURE TO ACHIEVE HIGH DEVICE PERFORMANCE	7064027	2006-06-20	10/713227	2003-11-13	GLOBALFOUNDRIES Inc.	Granted
REDUCTION OF LATERAL SILICIDE GROWTH IN INTEGRATED CIRCUIT TECHNOLOGY	7064067	2006-06-20	10/770905	2004-02-02	GLOBALFOUNDRIES Inc.	Granted

TECHNIQUE FOR FORMING CONTACTS FOR BURIED DOPED REGIONS IN A SEMICONDUCTOR DEVICE	7064074	2006-06-20	10/624712	2003-07-22	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND PROGRAMMING OF LASER FUSE	7064409	2006-06-20	10/603885	2003-11-04	GLOBALFOUNDRIES Inc.	Granted
MOS ANTIFUSE WITH LOW POST-PROGRAM RESISTANCE	7064410	2006-06-20	10/672173	2004-06-18	GLOBALFOUNDRIES Inc.	Granted
FIN-TYPE RESISTORS	7064413	2006-06-20	10/774773	2004-02-09	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE LOW COST MONOPOLE ANTENNA FOR WIRELESS APPLICATIONS	7064717	2006-06-20	10/987778	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
SECURE EXECUTION BOX	7065654	2006-06-20	09/852372	2001-05-10	GLOBALFOUNDRIES Inc.	Granted
SIMULTANEOUS MULTIPROCESSOR MEMORY TESTING AND INITIALIZATION	7065688	2006-06-20	10/370325	2003-02-19	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES WITH IMPROVED INTERFACIAL STRENGTH OF SICOH DIELECTRICS AND METHOD FOR PREPARING THE SAME	7067437	2006-06-27	10/662022	2003-09-12	GLOBALFOUNDRIES Inc.	Granted
BUILDING METAL PILLARS IN A CHIP FOR STRUCTURE SUPPORT	7067902	2006-06-27	10/726140	2003-12-02	GLOBALFOUNDRIES Inc.	Granted
EXTENSION OF FATIGUE LIFE FOR C4 SOLDER BALL TO CHIP CONNECTION	7067916	2006-06-27	09/838853	2001-06-20	GLOBALFOUNDRIES Inc.	Granted
HIGH Q FACTOR INTEGRATED CIRCUIT INDUCTOR	7068138	2006-06-27	10/768773	2004-01-29	GLOBALFOUNDRIES Inc.	Granted
TIMER LOCKOUT CIRCUIT FOR SYNCHRONOUS APPLICATIONS	7068364	2006-06-27	10/604168	2003-06-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR THERMO-OPTIC MODULATION OF OPTICAL SIGNALS	7068865	2006-06-27	10/755816	2004-01-12	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR REDUCING SCHEDULING CONFLICTS FOR A RESOURCE	7069097	2006-06-27	10/231561	2002-08-30	GLOBALFOUNDRIES Inc.	Granted
REAL TIME ANALYTICAL MONITOR FOR SOFT DEFECTS ON RETICLE DURING RETICLE INSPECTION	7069155	2006-06-27	10/676455	2003-10-01	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A THIN, HIGH QUALITY BUFFER LAYER IN A FIELD EFFECT TRANSISTOR AND RELATED STRUCTURE	7071051	2006-07-04	10/761009	2004-01-20	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON PMOS HAVING SILICON GERMANIUM SOURCE/DRAIN EXTENSIONS AND METHOD FOR ITS FABRICATION	7071065	2006-07-04	10/738716	2003-12-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A METAL GATE STRUCTURE WITH TUNING OF WORK FUNCTION BY SILICON INCORPORATION	7071086	2006-07-04	10/420721	2003-04-23	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH ETCHED-BACK GATE DIELECTRIC	7071122	2006-07-04	10/730892	2003-12-10	GLOBALFOUNDRIES Inc.	Granted
ADJUSTABLE SELF-ALIGNED AIR GAP DIELECTRIC FOR LOW CAPACTANCE WIRING	7071532	2006-07-04	10/605440	2003-09-30	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL PLANARIZATION PERFORMANCE FOR COPPER/LOW-K INTERCONNECT STRUCTURES	7071539	2006-07-04	10/628925	2003-07-28	GLOBALFOUNDRIES Inc.	Granted
COMPOSITE TANTALUM CAPPED INLAID COPPER WITH REDUCED ELECTROMIGRATION AND REDUCED STRESS MIGRATION	7071564	2006-07-04	10/791904	2004-03-04	GLOBALFOUNDRIES Inc.	Granted
ACTION TAG GENERATION WITHIN A NETWORK BASED ON PRIORITY OR DIFFERENTIAL SERVICES INFORMATION	7072300	2006-07-04	09/814812	2001-03-23	GLOBALFOUNDRIES Inc.	Granted
COLLISION RECOVERY INTERFACE SUPPORT IN A HOME PHONELINE NETWORKING ALLIANCE MEDIA ACCESS CONTROLLER (HPNA MAC) OPERATING IN ACCORDANCE WITH AT LEAST TWO DIFFERENT DATA RATE STANDARDS	7072351	2006-07-04	09/893100	2001-06-26	GLOBALFOUNDRIES Inc.	Granted
LOW-POWER MULTIPLE-CHANNEL FULLY DEPLETED QUANTUM WELL CMOSSETS	7074657	2006-07-11	10/706948	2003-11-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CREATING HIGH-QUALITY RELAXED SIGE-ON-INSULATOR FOR STRAINED SI CMOS APPLICATIONS	7074686	2006-07-11	10/824289	2004-04-14	GLOBALFOUNDRIES Inc.	Granted

ULTRA-THIN SI CHANNEL MOSFET USING A SELF-ALIGNED OXYGEN IMPLANT AND DAMASCENE TECHNIQUE	7075150	2006-07-11	10/725849	2003-12-02	GLOBALFOUNDRIES Inc.	Granted
GERONDED BODY SOI SRAM CELL	7075153	2006-07-11	10/640807	2003-08-14	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A SEMICONDUCTOR DEVICE HAVING AIR GAPS AND THE STRUCTURE SO FORMED	7078814	2006-07-18	10/709722	2004-05-25	GLOBALFOUNDRIES Inc.	Granted
FLUIDIC COOLING SYSTEMS AND METHODS FOR ELECTRONIC COMPONENTS	7079393	2006-07-18	10/904555	2004-11-16	GLOBALFOUNDRIES Inc.	Granted
MULTILAYERED CAP BARRIER IN MICROELECTRONIC INTERCONNECT STRUCTURES	7081673	2006-07-25	10/648884	2003-08-27	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR CONTROLLING THE INTERSPACE ROUGHNESS OF COBALT DISILICIDE	7081676	2006-07-25	10/691299	2003-10-22	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED CORROSION STOP FOR COPPER CANNI WIREBOND	7081680	2006-07-25	10/849459	2004-05-19	GLOBALFOUNDRIES Inc.	Granted
HIGH SPEED COMPOSITE P-CHANNEL SVISGE HETEROSTRUCTURE FOR FIELD EFFECT DEVICES	7084431	2006-08-01	10/832217	2004-04-26	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING SIGE-ON-INSULATOR (SGOI) AND GE-ON-INSULATOR (GOI) SUBSTRATES	7084460	2006-08-01	10/700085	2003-11-03	GLOBALFOUNDRIES Inc.	Granted
BACK GATE FINFET SRAM	7084461	2006-08-01	10/709998	2004-06-11	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT LOGIC WITH SELF COMPENSATING BLOCK DELAYS	7084476	2006-08-01	10/787488	2004-02-26	GLOBALFOUNDRIES Inc.	Granted
LOW LEAKAGE MONOTONIC CMOS LOGIC	7084667	2006-08-01	10/710453	2004-07-13	GLOBALFOUNDRIES Inc.	Granted
LOCATION-BASED REMINDERS	7084758	2006-08-01	10/804308	2004-03-19	GLOBALFOUNDRIES Inc.	Granted
INSTANT MESSAGING WITH VOICE CONVERSATION FEATURE	7085258	2006-08-01	09/910187	2001-07-19	GLOBALFOUNDRIES Inc.	Granted
HARMONIC MIXER	7085548	2006-08-01	09/904751	2001-07-13	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED ANTIFUSE STRUCTURE FOR FINFET AND CMOS DEVICES	7087499	2006-08-08	10/539333	2002-12-20	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF FORMING BIPOLAR TRANSISTOR HAVING A SELF-ALIGNED RAISED EXTRINSIC BASE USING SELF-ALIGNED ETCH STOP LAYER	7087940	2006-08-08	10/709220	2004-04-22	GLOBALFOUNDRIES Inc.	Granted
NITROGEN-CONTAINING POLYMERS AS POROGENS IN THE PREPARATION OF HIGHLY POROUS, LOW DIELECTRIC CONSTANT MATERIALS	7087982	2006-08-08	10/366780	2003-02-13	GLOBALFOUNDRIES Inc.	Granted
COPPER TO ALUMINUM INTERLAYER INTERCONNECT USING STUD AND VIA LINER	7087997	2006-08-08	09/805027	2001-03-12	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES AND METHODS FOR INTEGRATION OF ULTRALOW-K DIELECTRICS WITH IMPROVED RELIABILITY	7088003	2006-08-08	10/780554	2004-02-19	GLOBALFOUNDRIES Inc.	Granted
DUAL STRAIN-STATE SIGE LAYERS FOR MICROELECTRONICS	7091095	2006-08-15	11/053707	2005-02-08	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING STI DIVOT FORMATION DURING SEMICONDUCTOR DEVICE FABRICATION	7091106	2006-08-15	10/791759	2004-03-04	GLOBALFOUNDRIES Inc.	Granted
DUAL GATE FINFET	7091566	2006-08-15	10/717737	2003-11-20	GLOBALFOUNDRIES Inc.	Granted
SRAM WITH DYNAMICALLY ASYMMETRIC CELL	7092280	2006-08-15	10/996284	2004-11-22	GLOBALFOUNDRIES Inc.	Granted
HYDRAZINE-FREE SOLUTION DEPOSITION OF CHALCOGENIDE FILMS	7094651	2006-08-22	10/801766	2004-03-16	GLOBALFOUNDRIES Inc.	Granted
VARYING CARRIER MOBILITY IN SEMICONDUCTOR DEVICES TO ACHIEVE OVERALL DESIGN GOALS	7095065	2006-08-22	10/633504	2003-08-05	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP HIGH SPEED DATA INTERFACE	7096290	2006-08-22	10/259665	2002-09-27	GLOBALFOUNDRIES Inc.	Granted
COMPUTER SYSTEM WITH PROCESSOR CACHE THAT STORES REMOTE CACHE PRESENCE INFORMATION	7096323	2006-08-22	10/256970	2002-09-27	GLOBALFOUNDRIES Inc.	Granted
MACRO DESIGN TECHNIQUES TO ACCOMMODATE CHIP LEVEL WIRING AND CIRCUIT PLACEMENT ACROSS THE MACRO	7096436	2006-08-22	10/946552	2004-09-21	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD FOR FABRICATING DOUBLE-SIDED SOI WAFER SCALE PACKAGE WITH THROUGH VIA CONNECTIONS	7098070	2006-08-29	10/990252	2004-11-16	GLOBALFOUNDRIES Inc.	Granted

MULTILAYER INTERCONNECT STRUCTURE CONTAINING AIR GAPS AND METHOD FOR MAKING	7098476	2006-08-29	10/949837	2004-09-24	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN SILICON-ON-INSULATOR AND STAINED-SILICON-DIRECT-ON-INSULATOR WITH HYBRID CRYSTAL ORIENTATIONS	7098508	2006-08-29	10/932982	2004-09-02	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR STAINED CHANNEL FIELD EFFECT TRANSISTOR PAIR HAVING A MEMBER AND A CONTACT VIA	7098536	2006-08-29	10/904059	2004-10-21	GLOBALFOUNDRIES Inc.	Granted
LOW VOLTAGE PROGRAMMABLE EFUSE WITH DIFFERENTIAL SENSING SCHEME	7098721	2006-08-29	10/711205	2004-09-01	GLOBALFOUNDRIES Inc.	Granted
DUAL DOUBLE GATE TRANSISTOR AND METHOD FOR FORMING	7101741	2006-09-05	10/780393	2004-02-17	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED SOI FINGERED DECOUPLING CAPACITOR	7102204	2006-09-05	10/710256	2004-06-29	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR TRANSISTOR WITH EXTRINSIC STRESS LAYER	7102205	2006-09-05	10/931660	2004-09-01	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE TO IMPROVE ADHESION BETWEEN TOP CVD LOW-K DIELECTRIC AND DIELECTRIC CAPPING LAYER	7102232	2006-09-05	10/827693	2004-04-19	GLOBALFOUNDRIES Inc.	Granted
PLANAR PEDESTAL MULTIGATE DEVICE	7105391	2006-09-12	10/708451	2004-03-04	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE EPITAXIAL GROWTH FOR TUNABLE CHANNEL THICKNESS	7105399	2006-09-12	11/004951	2004-12-07	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT AND METHOD OF CONTROLLING INTEGRATED CIRCUIT POWER CONSUMPTION USING PHASE CHANGE SWITCHES	7106096	2006-09-12	10/904460	2004-11-11	GLOBALFOUNDRIES Inc.	Granted
CLOCK DITHERING SYSTEM AND METHOD DURING FREQUENCY SCALING	7106110	2006-09-12	10/710681	2004-07-28	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR ELECTRONIC FUSE WITH IMPROVED ESD TOLERANCE	7106164	2006-09-12	10/707283	2003-12-03	GLOBALFOUNDRIES Inc.	Granted
BUS ARCHITECTURE USING DEBUG PACKETS TO MONITOR TRANSACTIONS ON AN INTERNAL DATA PROCESSOR BUS	7107494	2006-09-12	10/426040	2003-04-29	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A SHIFTABLE MAGNETIC SHIFT REGISTER	7108797	2006-09-19	10/787738	2004-02-25	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUE FOR FORMING A SPACER FOR A LINE ELEMENT BY USING AN ETCH STOP LAYER DEPOSITED BY A HIGHLY DIRECTIONAL DEPOSITION TECHNIQUE	7109086	2006-09-19	10/987827	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
DENDRITE GROWTH CONTROL CIRCUIT	7109584	2006-09-19	10/904680	2004-11-23	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE VOLTAGE INTEGRATED CIRCUIT AND DESIGN METHOD THEREFOR	7111266	2006-09-19	10/720464	2003-11-24	GLOBALFOUNDRIES Inc.	Granted
PRECISION POLYSILICON RESISTOR PROCESS	7112335	2006-09-26	10/605439	2003-09-30	GLOBALFOUNDRIES Inc.	Granted
PATTERNED SUBSTRATE WITH HYDROPHILIC/HYDROPHOBIC CONTRAST, AND METHOD OF USE	7112617	2006-09-26	10/421394	2003-04-22	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR SINGLE DIE BACKSIDE PROBING OF SEMICONDUCTOR DEVICES	7112983	2006-09-26	10/904435	2004-11-10	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR MEASURING A HIGH SPEED SIGNAL	7113749	2006-09-26	10/604419	2003-07-18	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR VLSI SYSTEM DEBUG AND TIMING ANALYSIS	7114136	2006-09-26	10/663020	2003-09-16	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING DIFFERENT METAL-SEMICONDUCTOR PORTIONS FORMED IN A SEMICONDUCTOR REGION AND A METHOD FOR FABRICATING THE SEMICONDUCTOR DEVICE	7115464	2006-10-03	10/259016	2002-09-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ULTRA-LOW ENERGY ION IMPLANTATION TO FORM ALLOY LAYERS IN COPPER	7115498	2006-10-03	10/803852	2004-03-18	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR MOLECULAR OPTICAL EMISSION	7115916	2006-10-03	10/255351	2002-09-26	GLOBALFOUNDRIES Inc.	Granted
FINNET TRANSISTOR AND CIRCUIT	7115920	2006-10-03	10/709076	2004-04-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING METAL/HIGH-K GATE STACKS WITH HIGH MOBILITY	7115959	2006-10-03	10/873733	2004-06-22	GLOBALFOUNDRIES Inc.	Granted

METHOD TO SELECTIVELY CAP INTERCONNECTS WITH IODIUM OR TIN BRONZES AND/OR OXIDES THEREOF AND THE INTERCONNECT SO CAPPED	7115996	2006-10-03	10/852142	2004-05-25	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM, AND PROGRAM FOR SYNCHRONIZATION AND RESYNCHRONIZATION OF A DATA STREAM	7116736	2006-10-03	10/038163	2002-01-02	GLOBALFOUNDRIES Inc.	Granted
MICROTLB AND MICRO TAG FOR REDUCING POWER IN A PROCESSOR	7117290	2006-10-03	10/653749	2003-09-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS TO INCREASE STRAIN EFFECT IN A TRANSISTOR CHANNEL	7118999	2006-10-10	10/707842	2004-01-16	GLOBALFOUNDRIES Inc.	Granted
COPPER CONDUCTOR	7119018	2006-10-10	10/887087	2004-07-09	GLOBALFOUNDRIES Inc.	Granted
ION DETECTOR FOR ION BEAM APPLICATIONS	7119333	2006-10-10	10/904438	2004-11-10	GLOBALFOUNDRIES Inc.	Granted
TUNABLE SEMICONDUCTOR DIODES	7119401	2006-10-10	10/707722	2004-01-07	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE STRAINED CMOS DEVICES	7119403	2006-10-10	10/605672	2003-10-16	GLOBALFOUNDRIES Inc.	Granted
SINGLE SUPPLY LEVEL CONVERTER	7119578	2006-10-10	10/720466	2003-11-24	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR EVALUATION OF RETICLE IMAGE USING AERIAL IMAGE SIMULATOR	7120285	2006-10-10	09/515348	2000-02-29	GLOBALFOUNDRIES Inc.	Granted
BACKPLANE ASSEMBLY WITH BOARD TO BOARD OPTICAL INTERCONNECTIONS	7120327	2006-10-10	10/305853	2002-11-27	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY STRUCTURE	7120732	2006-10-10	10/708317	2004-02-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETECTION OF A POWER MANAGEMENT STATE BASED ON A POWER CONTROL SIGNAL CONTROLLING MAIN POWER TO THE COMPUTER SYSTEM AND A POWER CONTROL SIGNAL CONTROLLING POWER TO SYSTEM MEMORY AND WAKING UP THEREROM	7120811	2006-10-10	10/230715	2002-08-29	GLOBALFOUNDRIES Inc.	Granted
PATTERNING WITH RIGID ORGANIC UNDER-LAYER	7122455	2006-10-17	10/790567	2004-03-01	GLOBALFOUNDRIES Inc.	Granted
SOI DEVICE WITH STRUCTURE FOR ENHANCING CARRIER RECOMBINATION AND METHOD OF FABRICATING SAME	7122863	2006-10-17	09/850393	2001-05-07	GLOBALFOUNDRIES Inc.	Granted
ALTERNATING PHASE-SHIFT MASK RULE COMPLIANT IC DESIGN	7124396	2006-10-17	10/708684	2004-03-18	GLOBALFOUNDRIES Inc.	Granted
MULTI-STEP CHEMICAL MECHANICAL POLISHING OF A GATE AREA IN A FINFET	7125776	2006-10-24	11/030191	2005-01-07	GLOBALFOUNDRIES Inc.	Granted
MIXED ORIENTATION AND MIXED MATERIAL SEMICONDUCTOR-ON-INSULATOR WAFER	7125785	2006-10-24	10/865920	2004-06-14	GLOBALFOUNDRIES Inc.	Granted
HETERO DIELS-ALDER ADDUCTS OF PENTACENE AS SOLUBLE PRECURSORS OF PENTACENE	7125989	2006-10-24	10/300645	2002-11-20	GLOBALFOUNDRIES Inc.	Granted
POWER GATING TECHNIQUES ABLE TO HAVE DATA RETENTION AND VARIABILITY IMMUNITY PROPERTIES	7126370	2006-10-24	10/978067	2004-10-28	GLOBALFOUNDRIES Inc.	Granted
ACCUMULATOR CONTROLLED PRESICALER IN A PHASED LOCKED LOOP	7127225	2006-10-24	10/617485	2003-07-11	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DYNAMICALLY CONTROLLING CACHE SIZE	7127560	2006-10-24	10/605616	2003-10-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR GENERATING STEINER TREES USING SIMULTANEOUS BLOCKAGE AVOIDANCE, DELAY OPTIMIZATION AND DESIGN DENSITY MANAGEMENT	7127696	2006-10-24	10/738711	2003-12-17	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR OPTIMIZING A NUMBER OF KERNELS USED IN A SUM OF COHERENT SOURCES FOR OPTICAL PROXIMITY CORRECTION IN AN OPTICAL MICROLITHOGRAPHY PROCESS	7127699	2006-10-24	10/737626	2003-12-16	GLOBALFOUNDRIES Inc.	Granted
COOLING DEVICE USING MULTIPLE FANS AND HEAT SINKS	7128135	2006-10-31	10/988215	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PROVIDING OPTOELECTRONIC COMMUNICATION WITH AN ELECTRONIC DEVICE	7128472	2006-10-31	10/631933	2003-07-31	GLOBALFOUNDRIES Inc.	Granted

METHOD OF FORMING DOPED REGIONS IN THE BULK SUBSTRATE OF AN SOI SUBSTRATE TO CONTROL THE OPERATIONAL CHARACTERISTICS OF TRANSISTORS FORMED THEREAFTER, AND AN INTEGRATED CIRCUIT DEVICE COMPRISING SAME	7129142	2006-10-31	10/167184	2002-06-11	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED DUAL DAMASCENE RIE PROCESS WITH ORGANIC PATTERNING LAYER	7129159	2006-10-31	10/921007	2004-08-17	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CONTROLLING VOIDING AND BRIDGING IN SILICIDE FORMATION	7129169	2006-10-31	10/709534	2004-05-12	GLOBALFOUNDRIES Inc.	Granted
MOSFET STRUCTURE WITH MULTIPLE SELF-ALIGNED SILICIDE CONTACTS	7129548	2006-10-31	10/916201	2004-08-11	GLOBALFOUNDRIES Inc.	Granted
THERMAL MEMORY CELL AND MEMORY DEVICE INCLUDING THE THERMAL MEMORY CELL	7129560	2006-10-31	10/401564	2003-03-31	GLOBALFOUNDRIES Inc.	Granted
TRIMETAL AND DUAL-METAL STACKED INDUCTORS	7129561	2006-10-31	10/707065	2003-11-19	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MINIMIZING THRESHOLD VARIATION FROM BODY CHARGE IN SILICON-ON-INSULATOR CIRCUITRY	7129839	2006-10-31	10/896504	2004-07-22	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT DEVICE WITH A CHANNEL WITH A SWITCHABLE CONDUCTIVITY	7130212	2006-10-31	10/987749	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SELECTIVELY DISABLING INTERRUPTS ON A SECURE EXECUTION MODE CAPABLE PROCESSOR	7130951	2006-10-31	10/419091	2003-04-18	GLOBALFOUNDRIES Inc.	Granted
NESTED VOLTAGE ISLAND ARCHITECTURE	7131074	2006-10-31	10/604277	2003-07-08	GLOBALFOUNDRIES Inc.	Granted
SIMULATION MANAGEMENT SYSTEM	7131080	2006-10-31	10/651150	2003-08-28	GLOBALFOUNDRIES Inc.	Granted
FAST AND ACCURATE OPTICAL PROXIMITY CORRECTION ENGINE FOR INCORPORATING LONG RANGE FLARE EFFECTS	7131104	2006-10-31	10/844794	2004-05-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ASSESSING POTENTIAL FOR CHARGING DAMAGE IN SOI DESIGNS AND STRUCTURES FOR ELIMINATING POTENTIAL FOR DAMAGE	7132318	2006-11-07	11/003988	2004-12-04	GLOBALFOUNDRIES Inc.	Granted
CMOS WELL STRUCTURE AND METHOD OF FORMING THE SAME	7132323	2006-11-07	10/713447	2003-11-14	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC DEVICE INCLUDING A SELF-ASSEMBLED MONOLAYER, AND A METHOD OF FABRICATING THE SAME	7132678	2006-11-07	10/392983	2003-03-21	GLOBALFOUNDRIES Inc.	Granted
ORGANIC FIELD-EFFECT TRANSISTOR AND METHOD OF MAKING SAME BASED ON POLYMERIZABLE SELF-ASSEMBLED MONOLAYERS	7132680	2006-11-07	10/456749	2003-06-09	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT FOR MINIMIZING FILTER CAPACITANCE LEAKAGE INDUCED LITTER IN PHASE LOCKED LOOPS (PLLs)	7132896	2006-11-07	10/981155	2004-11-04	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR HANDLING EXCEPTIONAL INSTRUCTIONS IN A TRACE CACHE BASED PROCESSOR	7133969	2006-11-07	10/676437	2003-10-01	GLOBALFOUNDRIES Inc.	Granted
POLYCRYSTALLINE SIGE JUNCTIONS FOR ADVANCED DEVICES	7135391	2006-11-14	10/851821	2004-05-21	GLOBALFOUNDRIES Inc.	Granted
RELIABLE LOW-K INTERCONNECT STRUCTURE WITH HYBRID DIELECTRIC	7135398	2006-11-14	10/901868	2004-07-29	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT CHIP UTILIZING CARBON NANOTUBE COMPOSITE INTERCONNECTION VIAS	7135773	2006-11-14	10/787640	2004-02-26	GLOBALFOUNDRIES Inc.	Granted
VOLTAGE MODE TRANSDUCER HAVING PROGRAMMABLE VOLTAGE SWING AND EXTERNAL REFERENCE-BASED CALIBRATION	7135884	2006-11-14	11/033757	2005-01-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS TO MANAGE MULTI-COMPUTER DEMAND	7136798	2006-11-14	10/064486	2002-07-19	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PERFORMING DENSITY-BIASED BUFFER INSERTION IN AN INTEGRATED CIRCUIT DESIGN	7137081	2006-11-14	10/738714	2003-12-17	GLOBALFOUNDRIES Inc.	Granted

WAFER LEVEL GLOBAL BITMAP CHARACTERIZATION IN INTEGRATED CIRCUIT TECHNOLOGY DEVELOPMENT	7137085	2006-11-14	10/858739	2004-06-01	GLOBALFOUNDRIES Inc.	Granted
INTERPOSER WITH ELECTRICAL CONTACT BUTTON AND METHOD	7137827	2006-11-21	10/715288	2003-11-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING AN INTEGRATED CIRCUIT CHANNEL REGION	7138302	2006-11-21	10/755763	2004-01-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING BODY-TIED SOI TRANSISTOR HAVING HALO IMPLANT REGION UNDERLYING HAMMERHEAD PORTION OF GATE	7138318	2006-11-21	10/447047	2003-05-28	GLOBALFOUNDRIES Inc.	Granted
ADVANCED TECHNIQUE FOR FORMING A TRANSISTOR HAVING RAISED DRAIN AND SOURCE REGIONS	7138320	2006-11-21	10/974232	2004-10-24	GLOBALFOUNDRIES Inc.	Granted
WAFER INTEGRATED RIGID SUPPORT RING	7138336	2006-11-21	10/625635	2003-07-23	GLOBALFOUNDRIES Inc.	Granted
SILICON GERMANIUM HETEROJUNCTION BIPOLAR TRANSISTOR WITH CARBON INCORPORATION	7138669	2006-11-21	10/660048	2003-09-11	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE NITRIDATION OF GATE OXIDES	7138691	2006-11-21	10/707897	2004-01-22	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR AND METHOD OF FABRICATING A HIGH-SPEED CMOS-COMPATIBLE GE-ON-INSULATOR PHOTODETECTOR	7138697	2006-11-21	10/785894	2004-02-24	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC DISCHARGE PROTECTION NETWORKS FOR TRIPLE WELL SEMICONDUCTOR DEVICES	7138701	2006-11-21	10/605483	2003-10-02	GLOBALFOUNDRIES Inc.	Granted
HDP-BASED ILD CAPPING LAYER	7138717	2006-11-21	10/904827	2004-12-01	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHODS FOR MICROCHANNEL COOLING OF SEMICONDUCTOR INTEGRATED CIRCUIT PACKAGES	7139172	2006-11-21	10/883392	2004-07-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PRODUCING SILICON-GERMANIUM-ON-INSULATOR MATERIAL USING UNSTRAINED GE-CONTAINING SOURCE LAYERS	7141115	2006-11-28	10/932598	2004-09-02	GLOBALFOUNDRIES Inc.	Granted
SRAM RING OSCILLATOR	7142064	2006-11-28	10/973366	2004-10-26	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR VIEWING DATA PROCESSOR BUS TRANSACTIONS ON ADDRESS PINS DURING MEMORY IDLE CYCLES	7143225	2006-11-28	10/426010	2003-04-29	GLOBALFOUNDRIES Inc.	Granted
CRITICAL AREA COMPUTATION OF COMPOSITE FAULT MECHANISMS USING VORONOI DIAGRAMS	7143371	2006-11-28	10/709293	2004-04-27	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR SUBSTRATE AND PROCESSES THEREFOR	7144818	2006-12-05	10/729479	2003-12-05	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MANUFACTURING DEVICE SUBSTRATE WITH METAL BACK-GATE AND STRUCTURE FORMED THEREBY	7145212	2006-12-05	10/868791	2004-06-17	GLOBALFOUNDRIES Inc.	Granted
THIN-FILM RESISTOR AND METHOD OF MANUFACTURING THE SAME	7145218	2006-12-05	10/709692	2004-05-24	GLOBALFOUNDRIES Inc.	Granted
DIAMOND LIKE CARBON SILICON ON INSULATOR SUBSTRATES AND METHODS OF FABRICATION THEREOF	7148079	2006-12-12	10/285860	2002-11-01	GLOBALFOUNDRIES Inc.	Granted
SUBSTRATE ENGINEERING FOR OPTIMUM CMOS DEVICE PERFORMANCE	7148559	2006-12-12	10/604003	2003-06-20	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZED ECCREDUNDANCY FAULT RECOVERY	7149941	2006-12-12	10/063497	2002-04-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR CONTROLLING THE CHEMICAL MECHANICAL POLISHING BY USING A SENSOR SIGNAL OF A PAD CONDITIONER	7150675	2006-12-19	10/747723	2003-12-29	GLOBALFOUNDRIES Inc.	Granted
FLUORINATED VINYL ETHERS, COPOLYMERS THEREOF, AND USE IN LITHOGRAPHIC PHOTORESIST COMPOSITIONS	7150957	2006-12-19	10/424673	2003-04-25	GLOBALFOUNDRIES Inc.	Granted
CONVERSION OF TRANSITION METAL TO SILICIDE THROUGH BACK END PROCESSING IN INTEGRATED CIRCUIT TECHNOLOGY	7151020	2006-12-19	10/839437	2004-05-04	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC DISCHARGE PROTECTION NETWORK HAVING DISTRIBUTED COMPONENTS	7151298	2006-12-19	09/468015	1999-12-20	GLOBALFOUNDRIES Inc.	Granted

SELF-ALIGNED, SILICIDED, TRENCH-BASED, DRAM/EDRAM PROCESSES WITH IMPROVED RETENTION	7153737	2006-12-26	10/905684	2005-01-17	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING AMINE BASED CONTAMINANTS	7153776	2006-12-26	10/605926	2003-11-06	GLOBALFOUNDRIES Inc.	Granted
DUAL-MODE OUTPUT DRIVER CONFIGURED FOR OUTPUTTING A SIGNAL ACCORDING TO EITHER A SELECTED HIGH VOLTAGE/LOW SPEED MODE OR A LOW VOLTAGE/HIGH SPEED MODE	7154309	2006-12-26	11/033754	2005-01-13	GLOBALFOUNDRIES Inc.	Granted
PREVENTION OF COUNTEREIT MARKINGS ON SEMICONDUCTOR DEVICES	7157131	2007-01-02	10/212950	2002-08-06	GLOBALFOUNDRIES Inc.	Granted
GAIN CONTROL IN WIRELESS LAN DEVICES	7158590	2007-01-02	10/184408	2002-06-27	GLOBALFOUNDRIES Inc.	Granted
ENHANCEMENT OF ELECTRON AND HOLE MOBILITIES IN <110>-SI UNDER BIAXIAL COMPRESSIVE STRAIN	7161169	2007-01-09	10/980220	2004-11-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR VARIABLE PITCH MICROWAVE PROBE ASSEMBLY	7161344	2007-01-09	10/821730	2004-04-20	GLOBALFOUNDRIES Inc.	Granted
CONCURRENT FIN-FET AND THICK-BODY DEVICE FABRICATION	7163851	2007-01-16	10/227995	2002-08-26	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING SEMICONDUCTOR SIDE WALL FIN EDGE SEAL FOR A SEMICONDUCTOR DEVICE	7163864	2007-01-16	09/691353	2000-10-18	GLOBALFOUNDRIES Inc.	Granted
MECHANISM TO STRIP LARQ HEADER AND PRESERVE LARQ HEADER IN STATUS FRAME	7163883	2007-01-16	10/694500	2003-10-27	GLOBALFOUNDRIES Inc.	Granted
PROCESSING NODE INCLUDING A PLURALITY OF PROCESSOR CORES AND AN INTERCONNECT CONFIGURABLE IN A TEST-MODE TO CAUSE FIRST AND SECOND TRANSACTION SOURCE INDICATORS TO BE INTERCHANGED	7164681	2007-01-16	09/905132	2001-07-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING INTERRUPTS IN A SECURE EXECUTION MODE-CAPABLE PROCESSOR	7165132	2007-01-16	10/956650	2004-10-01	GLOBALFOUNDRIES Inc.	Granted
FACILITATING COLD RESET AND WARM RESET TASKING IN A COMPUTER SYSTEM	7165135	2007-01-16	10/419122	2003-04-18	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PREPARING A CONJUGATED MOLECULAR ASSEMBLY	7165172	2007-01-16	10/676600	2003-10-01	GLOBALFOUNDRIES Inc.	Granted
SOI WAFERS WITH 30-100 BURIED OXIDE (BOX) CREATED BY WAFER BONDING USING 30-100 THIN OXIDE AS BONDING LAYER	7166327	2007-01-23	10/392977	2003-03-21	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR LOCAL RESISTOR ELEMENT IN INTEGRATED CIRCUIT TECHNOLOGY	7166521	2007-01-23	10/957833	2004-10-04	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING A PACKAGED RADIATION SENSITIVE RESIST FILM-COATED WORKPIECE	7166904	2007-01-23	10/708023	2004-02-03	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REDUCING WAFER CONTAMINATION BY REMOVING UNDER-METAL LAYERS AT THE WAFER EDGE	7168224	2007-01-30	10/295595	2002-11-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR REPAIR OF REFLECTIVE PHOTOMASKS	7169664	2007-01-30	10/747722	2003-12-29	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON MOSFET HAVING IMPROVED SOURCE/RAIN EXTENSION DOPANT DIFFUSION RESISTANCE AND METHOD FOR ITS FABRICATION	7170030	2007-01-30	10/660477	2003-09-12	GLOBALFOUNDRIES Inc.	Granted
OPTIMUM PADSET FOR WIRE BONDING RF TECHNOLOGIES WITH HIGH-Q INDUCTORS	7170084	2007-01-30	10/872707	2004-06-21	GLOBALFOUNDRIES Inc.	Granted
DIAGNOSING FAULTS AND ERRORS FROM A DATA REPOSITORY USING DIRECTED GRAPHS	7170181	2007-01-30	10/707064	2003-11-19	GLOBALFOUNDRIES Inc.	Granted
ANTIREFLECTIVE HARDMASK AND USES THEREOF	7171585	2007-01-30	10/723751	2003-11-26	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON-ON-INSULATOR BY ANODIZATION OF A BURIED P+ SILICON GERMANIUM LAYER	7172849	2007-02-06	10/646307	2003-08-22	GLOBALFOUNDRIES Inc.	Granted
	7172930	2007-02-06	10/833887	2004-07-02	GLOBALFOUNDRIES Inc.	Granted

INCORPORATION OF CARBON IN SILICON/SILICON GERMANIUM EPITAXIAL LAYER TO ENHANCE YIELD FOR SI-GE BIPOLAR TECHNOLOGY	7173274	2007-02-06	10/9533378	2004-09-29	GLOBALFOUNDRIES Inc.	Granted
FIN FIELD EFFECT TRANSISTOR WITH SELF-ALIGNED GATE SUPPRESSION OF LOCALIZED METAL PRECIPITATE FORMATION AND CORRESPONDING METALLIZATION DEPLETION IN SEMICONDUCTOR PROCESSING	7173303 7173338	2007-02-06 2007-02-06	10/695335 10/708486	2003-10-28 2004-03-06	GLOBALFOUNDRIES Inc. GLOBALFOUNDRIES Inc.	Granted Granted
METHOD AND APPARATUS FOR PROVIDING PROTECTED USER INTERFACE FOR COMPUTING DEVICE	7173605	2007-02-06	10/622656	2003-07-18	GLOBALFOUNDRIES Inc.	Granted
WATER AND AQUEOUS BASE SOLUBLE ANTIREFLECTIVE COATING/HARDMASK MATERIALS	7175966	2007-02-13	10/666541	2003-09-19	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUE FOR FORMING TRANSISTORS HAVING RAISED DRAIN AND SOURCE REGIONS WITH DIFFERENT HEIGHTS	7176110	2007-02-13	10/862518	2004-06-07	GLOBALFOUNDRIES Inc.	Granted
USE OF AN ENERGY SOURCE TO CONVERT PRECURSORS INTO PATTERNED SEMICONDUCTORS	7176484	2007-02-13	10/514607	2002-12-09	GLOBALFOUNDRIES Inc.	Granted
TEMPERATURE SENSOR FOR HIGH POWER VERY LARGE SCALE INTEGRATION CIRCUITS	7176508	2007-02-13	10/899768	2004-07-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR GRAPHICS RENDERING USING HARDWARE- EVENT-TRIGGERED EXECUTION OF CAPTURED GRAPHICS HARDWARE INSTRUCTIONS	7176927	2007-02-13	10/665289	2003-09-22	GLOBALFOUNDRIES Inc.	Granted
DUAL GATE FINNET RADIO FREQUENCY SWITCH AND MIXER	7177619	2007-02-13	10/905874	2005-01-25	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CREATING AND DISPLAYING RELATIONSHIP CHAINS BETWEEN USERS OF A COMPUTERIZED NETWORK	7177880	2007-02-13	10/232366	2002-12-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING A FIN STRUCTURE	7179692	2007-02-20	10/913409	2004-08-09	GLOBALFOUNDRIES Inc.	Granted
INTERLAYER CONNECTOR FOR PREVENTING DELAMINATION OF SEMICONDUCTOR DEVICE	7180187	2007-02-20	10/710147	2004-06-22	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE REGISTER FILE WITH BOOTSTRAPPED STORAGE SUPPLY AND METHOD OF READING DATA THEREFROM	7180818	2007-02-20	10/996311	2004-11-22	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR AUTOPOLLING PHYSICAL LAYER DEVICES IN A NETWORK	7180906	2007-02-20	10/505062	2000-02-16	GLOBALFOUNDRIES Inc.	Granted
PHASE ERROR CORRECTOR AND METHOD	7180960	2007-02-20	10/322765	2002-12-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DATA STACKING/UNSTACKING FOR RUN-TO- RUN CONTROL	7181354	2007-02-20	10/227753	2002-08-26	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING SMALL CONTACTS	7183223	2007-02-27	10/728909	2003-12-08	GLOBALFOUNDRIES Inc.	Granted
PIEZOELECTRIC ARRAY WITH STRAIN DEPENDANT CONDUCTING ELEMENTS AND METHOD THEREFOR	7183568	2007-02-27	10/326172	2002-12-23	GLOBALFOUNDRIES Inc.	Granted
EPITAXIAL AND POLYCRYSTALLINE GROWTH OF SI-X-GE/GE/XY AND SI-X-GE ALLOY LAYERS ON SI BY UHV-CVD	7183576	2007-02-27	10/775514	2004-02-10	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC PACKAGE WITH THERMALLY-ENHANCED LID	7183642	2007-02-27	10/241994	2002-09-11	GLOBALFOUNDRIES Inc.	Granted
FREQUENCY DOMAIN ESTIMATION OF IQ IMBALANCE IN A WIRELESS OFDM DIRECT CONVERSION RECEIVER USING LOOPBACK CONNECTION	7184714	2007-02-27	10/699667	2003-11-04	GLOBALFOUNDRIES Inc.	Granted
DIGITAL AUTOMATIC GAIN CONTROL FOR TRANSDUCER DEVICES	7184729	2007-02-27	10/259708	2002-09-27	GLOBALFOUNDRIES Inc.	Granted
MACHINE CODE BUILDER DERIVED POWER CONSUMPTION REDUCTION	7185215	2007-02-27	10/248838	2003-02-24	GLOBALFOUNDRIES Inc.	Granted
PLASMA ENHANCED ALD OF TANTALUM NITRIDE AND BILAYER	7186446	2007-03-06	10/699226	2003-10-31	GLOBALFOUNDRIES Inc.	Granted
CONTROL OF BOTTOM DIMENSION OF TAPERED CONTACT VIA VARIATION(S) OF ETCH PROCESS	7186650	2007-03-06	10/909509	2004-08-02	GLOBALFOUNDRIES Inc.	Granted

COMPRESSIVE STIGE <110> GROWTH AND STRUCTURE OF MOSFET DEVICES	7187059	2007-03-06	10/875727	2004-06-24	GLOBALFOUNDRIES Inc.	Granted
SIMULATION MONITORS BASED ON TEMPORAL FORMULAS	7188061	2007-03-06	10/196702	2002-07-15	GLOBALFOUNDRIES Inc.	Granted
CMOS DEVICE INTEGRATION FOR LOW EXTERNAL RESISTANCE	7189644	2007-03-13	10/763308	2004-01-23	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR ADDRESS DECODING OF EMBEDDED DRAM DEVICES	7191305	2007-03-13	10/952269	2004-09-28	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR SEQUENTIAL TESTING OF HIGH SPEED SERIAL LINK CORE	7191371	2007-03-13	10/118751	2002-04-09	GLOBALFOUNDRIES Inc.	Granted
INCREASED DAMPING OF MAGNETIZATION IN MAGNETIC MATERIALS	7192491	2007-03-20	10/195178	2002-07-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR PROVIDING HALO IMPLANT TO A SEMICONDUCTOR DEVICE WITH MINIMAL IMPACT TO THE JUNCTION CAPACTANCE	7192836	2007-03-20	09/497320	2000-02-03	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING FOREIGN MATERIAL CONCENTRATIONS IN ETCH CHAMBERS	7192874	2007-03-20	10/604367	2003-07-15	GLOBALFOUNDRIES Inc.	Granted
LOW-COST DEEP TRENCH DECOUPLING CAPACITOR DEVICE AND PROCESS OF MANUFACTURE	7193262	2007-03-20	10/905094	2004-12-15	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE POWER DENSITY CHIP STRUCTURE	7193318	2007-03-20	10/711023	2004-08-18	GLOBALFOUNDRIES Inc.	Granted
RANDOM ACCESS MEMORY WITH STABILITY ENHANCEMENT AND EARLY READ ELIMINATION	7193904	2007-03-20	10/985453	2004-11-10	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC CHECK FOR CYCLIC OPERATING CONDITIONS FOR SOI CIRCUIT SIMULATION	7194399	2007-03-20	09/902140	2001-07-10	GLOBALFOUNDRIES Inc.	Granted
METHOD, APPARATUS AND PROGRAM STORAGE DEVICE FOR PROVIDING DATA PATH OPTIMIZATION	7194662	2007-03-20	10/377359	2003-02-28	GLOBALFOUNDRIES Inc.	Granted
COMMAND MULTIPLIER FOR BUILT-IN-SELF-TEST	7194670	2007-03-20	10/708184	2004-02-13	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR PLASMA INDUCED MODIFICATION AND IMPROVEMENT OF CRITICAL DIMENSION UNIFORMITY	7196014	2007-03-27	10/983345	2004-11-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CLOCK-AND-DATA RECOVERY USING A SECONDARY DELAY-LOCKED LOOP	7197102	2007-03-27	10/163340	2002-06-07	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT SPEED SENSING CIRCUITRY	7197727	2007-03-27	10/700902	2003-11-04	GLOBALFOUNDRIES Inc.	Granted
SOFTWARE MODEM FOR COMMUNICATING DATA USING ENCRYPTED DATA AND UNENCRYPTED CONTROL CODES	7197768	2007-03-27	09/901329	2001-07-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR CONTROLLING THE CHEMICAL MECHANICAL POLISHING BY USING A SEISMIC SIGNAL OF A SEISMIC SENSOR	7198542	2007-04-03	10/987804	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
LIGHT SCATTERING EUVL MASK	7198872	2007-04-03	10/709733	2004-05-25	GLOBALFOUNDRIES Inc.	Granted
STRAINED FINETS AND METHOD OF MANUFACTURE	7198995	2007-04-03	10/733378	2003-12-12	GLOBALFOUNDRIES Inc.	Granted
LIVE CONNECTION ENHANCEMENT FOR DATA SOURCE INTERFACE	7200666	2007-04-03	09/612534	2000-07-07	GLOBALFOUNDRIES Inc.	Granted
NOBLE METAL CONTACTS FOR MICRO-ELECTROMECHANICAL SWITCHES	7202764	2007-04-10	10/604278	2003-07-08	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DETERMINING THE RELIABILITY OF DIELECTRIC LAYERS	7205165	2007-04-17	10/664665	2003-09-18	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PLANAR DOUBLE-GATE PROCESS BY SELF-ALIGNED OXIDATION	7205185	2007-04-17	10/663471	2003-09-15	GLOBALFOUNDRIES Inc.	Granted
ULTRA SCALABLE HIGH SPEED HETEROJUNCTION VERTICAL N-CHANNEL MISSETS AND METHODS THEREOF	7205604	2007-04-17	10/463038	2003-06-17	GLOBALFOUNDRIES Inc.	Granted
EMULATION OF LONG DELAY CHAIN BY RING OSCILLATOR WITH FLOATING BODY-TIED BODY DEVICES	7205825	2007-04-17	10/315393	2002-12-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR INTELLIGENT AUTOMATED RETICLE MANAGEMENT	7206652	2007-04-17	10/711079	2004-08-20	GLOBALFOUNDRIES Inc.	Granted

METHOD OF MANUFACTURING HIGH PERFORMANCE COPPER INDUCTORS WITH BOND PADS	7207096	2007-04-24	10/707896	2004-01-22	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PERFORMING LASER CVD PEALD OF TAN DIFFUSION BARRIER REGION ON LOW-K MATERIALS	7211300	2007-05-01	10/698884	2003-10-31	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT BOARD INTEGRATED OPTICAL COUPLING ELEMENTS	7211507	2007-05-01	10/709865	2004-06-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND PROCESSOR INCLUDING LOGIC FOR STORING TRACES WITHIN A TRACE CACHE	7212698	2007-05-01	10/758554	2004-02-10	GLOBALFOUNDRIES Inc.	Granted
PASSIVATION FOR IMPROVED BIPOLAR YIELD	7213126	2007-05-01	10/75742	2004-01-12	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE CHIP CARRIER SUBSTRATE	7214593	2007-05-08	09/773798	2001-02-01	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY HAVING REDUCED POWER CONSUMPTION	7214886	2007-05-08	10/722226	2003-11-25	GLOBALFOUNDRIES Inc.	Granted
INCORPORATION OF UNCERTAINTY INFORMATION IN MODELING A CHARACTERISTIC OF A DEVICE	7216284	2007-05-08	10/145018	2002-05-15	GLOBALFOUNDRIES Inc.	Granted
ENHANCED SECURITY AND MANAGEABILITY USING SECURE STORAGE IN A PERSONAL COMPUTER SYSTEM	7216313	2007-05-08	10/710733	2004-07-30	GLOBALFOUNDRIES Inc.	Granted
FLUORINATED PHOTORESIST MATERIALS WITH IMPROVED ETCH RESISTANT PROPERTIES	7216362	2007-05-08	09/853395	2001-05-11	GLOBALFOUNDRIES Inc.	Granted
ADVANCED PROCESS CONTROL OF THERMAL OXIDATION PROCESSES, AND SYSTEMS FOR ACCOMPLISHING SAME	7217496	2007-05-15	10/988137	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING DIFFERENT METAL SILICIDE PORTIONS AND METHOD FOR FABRICATING THE SEMICONDUCTOR DEVICE	7217578	2007-05-15	10/909497	2004-08-02	GLOBALFOUNDRIES Inc.	Granted
SRAM MEMORIES AND MICROPROCESSORS HAVING LOGIC PORTIONS IMPLEMENTED IN HIGH-PERFORMANCE SILICON SUBSTRATES AND SRAM ARRAY PORTIONS HAVING FIELD EFFECT TRANSISTORS WITH LINKED BODIES AND METHOD FOR MAKING SAME	7217657	2007-05-15	10/260926	2002-09-30	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR TRANSISTOR WITH ISOLATION AND DIRECT CONTACTS	7217978	2007-05-15	11/038593	2005-01-19	GLOBALFOUNDRIES Inc.	Granted
HETEROGENEOUS THERMAL INTERFACE FOR COOLING	7217988	2007-05-15	10/709905	2004-06-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR TAGGING UNCORRECTABLE ERRORS FOR SYMMETRIC MULTIPROCESSORS	7219713	2007-05-22	11/037913	2005-01-18	GLOBALFOUNDRIES Inc.	Granted
LITHOGRAPHIC ANTIREFLECTIVE HARDMASK COMPOSITIONS AND USES THEREOF	7222270	2007-05-22	10/340460	2003-01-10	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING LOW RESISTANCE AND RELIABLE VIA IN INTER-LEVEL DIELECTRIC INTERCONNECT	7223517	2007-05-29	10/634667	2003-08-05	GLOBALFOUNDRIES Inc.	Granted
ESD DISSIPATIVE COATING ON CABLES	7223691	2007-05-29	10/965031	2004-10-14	GLOBALFOUNDRIES Inc.	Granted
MULTI-CHANNEL TRANSISTOR WITH TUNABLE HOT CARRIER EFFECT	7223922	2007-05-29	10/902653	2004-07-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE TO CREATE MULTIPLE DEVICE WIDTHS IN FINFET TECHNOLOGY IN BOTH BULK AND SOI	7224007	2007-05-29	10/873240	2004-06-23	GLOBALFOUNDRIES Inc.	Granted
DUAL-DAMASCENE METALLIZATION INTERCONNECTION	7224029	2007-05-29	10/707964	2004-01-28	GLOBALFOUNDRIES Inc.	Granted
IN-SITU DEFECT MONITOR AND CONTROL SYSTEM FOR IMMERSION MEDIUM IN IMMERSION LITHOGRAPHY	7224063	2007-05-29	09/871883	2001-06-01	GLOBALFOUNDRIES Inc.	Granted
EXTENDED HOST CONTROLLER TEST MODE SUPPORT FOR USE WITH FULL-SPEED USB DEVICES	7224456	2007-05-29	10/858759	2004-06-02	GLOBALFOUNDRIES Inc.	Granted
ATA AND SATA COMPLIANT CONTROLLER	7225288	2007-05-29	10/324782	2002-12-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR CODING TEST PATTERN FOR SCAN DESIGN	7225290	2007-05-29	10/184434	2002-06-27	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR MODELING LATCH TRANSPARENCY	7225376	2007-05-29	10/630957	2003-07-30	GLOBALFOUNDRIES Inc.	Granted
STRAINED-SILICON CMOS DEVICE AND METHOD	7225419	2007-05-29	10/962121	2004-10-08	GLOBALFOUNDRIES Inc.	Granted
	7227205	2007-06-05	10/930404	2004-08-31	GLOBALFOUNDRIES Inc.	Granted

LOW-K GATE SPACERS BY FLUORINE IMPLANTATION	7227230	2007-06-05	10/775440	2004-02-10	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR AUTOMATICALLY ESTIMATING PIN LOCATIONS AND INTERCONNECT PARASITICS OF A CIRCUIT LAYOUT	7228514	2007-06-05	11/040139	2005-01-21	GLOBALFOUNDRIES Inc.	Granted
ALTERNATING PHASE SHIFT MASK DESIGN FOR HIGH PERFORMANCE CIRCUITRY	7229722	2007-06-12	10/707962	2004-01-28	GLOBALFOUNDRIES Inc.	Granted
FOROUS ORGANOSILICATES WITH IMPROVED MECHANICAL PROPERTIES	7229934	2007-06-12	11/031418	2005-01-07	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED LOW-K GATE CAP	7230296	2007-06-12	10/904391	2004-11-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR INTEGRATED CIRCUIT CHIP PACKAGES HAVING INTEGRATED MICROCHANNEL COOLING MODULES	7230334	2007-06-12	10/987985	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
DUAL DAMASCENE COPPER INTERCONNECT TO A DAMASCENE TUNGSTEN WIRING LEVEL	7230336	2007-06-12	10/338624	2003-01-07	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR AVOIDING ALIASED TOKENS DURING ABNORMAL COMMUNICATIONS	7231501	2007-06-12	10/813519	2004-03-30	GLOBALFOUNDRIES Inc.	Granted
DETERMINATION OF GRAIN SIZES OF ELECTRICALLY CONDUCTIVE LINES IN SEMICONDUCTOR INTEGRATED CIRCUITS	7231617	2007-06-12	10/711418	2004-09-17	GLOBALFOUNDRIES Inc.	Granted
LOW-K DIELECTRIC LAYER BASED UPON CARBON NANOSTRUCTURES	7233071	2007-06-19	10/711764	2004-10-04	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT FOR INITIALIZING DIGITAL EQUALIZER SETTINGS BASED ON COMPARING DIGITAL EQUALIZER OUTPUTS TO PRESCRIBED EQUALIZER OUTPUTS	7233616	2007-06-19	10/002185	2001-12-05	GLOBALFOUNDRIES Inc.	Granted
SELECTIVELY ROUGHENING CONDUCTORS FOR HIGH FREQUENCY PRINTED WIRING BOARDS	7235148	2007-06-26	10/616341	2003-07-09	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DOPING STRUCTURES IN FINFET DEVICES	7235436	2007-06-26	10/614051	2003-07-08	GLOBALFOUNDRIES Inc.	Granted
PATTERNING METHOD	7235464	2007-06-26	10/485419	2003-05-28	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL PROBING OF SOT CIRCUITS	7235800	2007-06-26	09/583617	2000-05-31	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CREATING DEFECT FREE HIGH GE CONTENT (>2%) SIG-ON-INSULATOR (SGOI) SUBSTRATES USING WAFER BONDING TECHNIQUES	7235812	2007-06-26	10/939736	2004-09-13	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR TRANSPERRING DATA TO AND FROM A MAGNETIC SHIFT REGISTER WITH A SHIFTABLE DATA COLUMN	7236386	2007-06-26	11/004413	2004-12-04	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR SELECTIVE COMPLIATION OF INSTRUMENTATION ENTITIES INTO A SIMULATION MODEL OF A DIGITAL DESIGN	7236918	2007-06-26	10/749607	2003-12-31	GLOBALFOUNDRIES Inc.	Granted
SILICON BUFFERED SHALLOW TRENCH ISOLATION	7238588	2007-07-03	10/755746	2004-01-12	GLOBALFOUNDRIES Inc.	Granted
HEAT REMOVAL IN SOI DEVICES USING A BURIED OXIDE LAYER/ CONDUCTIVE LAYER COMBINATION	7238591	2007-07-03	10/973871	2004-10-26	GLOBALFOUNDRIES Inc.	Granted
RESISTOR TUNING	7239006	2007-07-03	10/709115	2004-04-14	GLOBALFOUNDRIES Inc.	Granted
TUNNELING MAGNETORESISTIVE (TMR) SENSOR HAVING A MAGNESIUM OXIDE BARRIER LAYER FORMED BY A MULTILAYER PROCESS	7239489	2007-07-03	10/900487	2004-07-28	GLOBALFOUNDRIES Inc.	Granted
FLEXURE PLATE FOR MAINTAINING CONTACT BETWEEN A COOLING PLATE/HEAT SINK AND A MICROCHIP	7239516	2007-07-03	10/939230	2004-09-10	GLOBALFOUNDRIES Inc.	Granted
SCAN CHAIN DIAGNOSTICS USING LOGIC PATHS	7240261	2007-07-03	10/707373	2003-12-09	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND PROGRAM PRODUCT FOR EVALUATING A CIRCUIT	7240310	2007-07-03	10/904950	2004-12-07	GLOBALFOUNDRIES Inc.	Granted
MANUFACTURING METHODS FOR PRINTED CIRCUIT BOARDS	7240430	2007-07-10	11/029969	2005-01-05	GLOBALFOUNDRIES Inc.	Granted
FINFET BODY CONTACT STRUCTURE	7241649	2007-07-10	10/977768	2004-10-29	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY PROGRAMMABLE FUSE FOR SILICON-ON-INSULATOR (SOI) TECHNOLOGY	7242072	2007-07-10	10/904681	2004-11-23	GLOBALFOUNDRIES Inc.	Granted

FLLOATING POINT UNIT WITH VARIABLE SPEED EXECUTION PIPELINE AND METHOD OF OPERATION	7243217	2007-07-10	10/254084	2002-09-24	GLOBALFOUNDRIES Inc.	Granted
METHOD TO ACHIEVE LOW AND STABLE FERROMAGNETIC COUPLING FIELD	7244341	2007-07-17	10/693276	2003-10-23	GLOBALFOUNDRIES Inc.	Granted
EEPROM DEVICE WITH SUBSTRATE HOT-ELECTRON INJECTOR FOR LOW POWER PROGRAMMING	7244976	2007-07-17	11/042866	2005-01-25	GLOBALFOUNDRIES Inc.	Granted
EFFICIENT MEMORY CHECK ARCHITECTURE AND METHOD	7246269	2007-07-17	10/839072	2004-05-05	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR OPTIMIZING INTEGRATED CIRCUIT DEVICE DESIGN AND SERVICE	7246331	2007-07-17	10/966492	2004-10-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING STRAINED SILICON MATERIALS WITH IMPROVED THERMAL CONDUCTIVITY	7247546	2007-07-24	10/710826	2004-08-05	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES AND METHODS FOR MAKING STRAINED MOSFETS	7247912	2007-07-24	10/707690	2004-01-05	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING GRAIN SIZE IN A POLYSILICON LAYER AND IN SEMICONDUCTOR DEVICES HAVING POLYSILICON STRUCTURES	7247924	2007-07-24	10/695336	2003-10-28	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP CU INTERCONNECTION USING 1 TO 5 NM THICK METAL CAP	7247946	2007-07-24	11/037970	2005-01-18	GLOBALFOUNDRIES Inc.	Granted
ARCHITECTURAL LEVEL THROUGHPUT BASED POWER MODELING METHODOLOGY AND APPARATUS FOR Pervasively CLOCK-GATED PROCESSOR CORES	7249331	2007-07-24	10/960730	2004-10-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DYNAMICALLY ALLOCATING PROCESSORS	7249358	2007-07-24	10/248303	2003-01-07	GLOBALFOUNDRIES Inc.	Granted
REVERSED T-SHAPED FINFET	7250645	2007-07-31	10/761374	2004-01-22	GLOBALFOUNDRIES Inc.	Granted
CACHE MEMORY SUBSYSTEM INCLUDING A FIXED LATENCY RW PIPELINE	7251710	2007-07-31	10/755734	2004-01-12	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM, AND PROGRAM FOR TRANSMITTING INPUT/OUTPUT REQUESTS FROM A PRIMARY CONTROLLER TO A SECONDARY CONTROLLER	7251743	2007-07-31	10/719113	2003-11-20	GLOBALFOUNDRIES Inc.	Granted
SIMULATION TESTING OF DIGITAL LOGIC CIRCUIT DESIGNS	7251794	2007-07-31	10/804056	2004-10-21	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR ABATING THE SIMULTANEOUS FLOW OF SILANE AND ARSINE	7252858	2007-08-07	10/780341	2004-02-17	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED NANOTUBE FIELD EFFECT TRANSISTOR AND METHOD OF FABRICATING SAME	7253065	2007-08-07	10/956851	2004-10-01	GLOBALFOUNDRIES Inc.	Granted
MANUFACTURABLE COPPER METAL CAP PROCESS FOR COPPER INTERCONNECTS	7253106	2007-08-07	10/905230	2004-12-22	GLOBALFOUNDRIES Inc.	Granted
INCREASE PRODUCTIVITY AT WAFER TEST USING PROBE RETEST DATA ANALYSIS	7253650	2007-08-07	10/709729	2004-05-25	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR TESTING A MEMORY OF A MICROPROCESSOR	7254509	2007-08-07	11/004265	2004-12-01	GLOBALFOUNDRIES Inc.	Granted
RAID 3+3	7254754	2007-08-07	10/619648	2003-07-14	GLOBALFOUNDRIES Inc.	Granted
METHODS AND FIXTURE FOR COUPLING A LID TO A SUPPORT SUBSTRATE	7256065	2007-08-14	10/859673	2004-06-03	GLOBALFOUNDRIES Inc.	Granted
DOUBLE GATE SEMICONDUCTOR DEVICE HAVING A METAL GATE	7256455	2007-08-14	10/720166	2003-11-25	GLOBALFOUNDRIES Inc.	Granted
ALIGNMENT OF LOCAL TRANSMIT CLOCK TO SYNCHRONOUS DATA TRANSFER CLOCK HAVING PROGRAMMABLE TRANSFER RATE	7256627	2007-08-14	11/033755	2005-01-13	GLOBALFOUNDRIES Inc.	Granted
DIAPHRAGM ACTIVATED MICRO-ELECTROMECHANICAL SWITCH	7256670	2007-08-14	10/523310	2002-08-26	GLOBALFOUNDRIES Inc.	Granted
MESSAGE BASED INTERRUPT TABLE	7257658	2007-08-14	11/001511	2004-12-14	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC RECONFIGURATION OF CACHE MEMORY	7257678	2007-08-14	10/956560	2004-10-01	GLOBALFOUNDRIES Inc.	Granted

TECHNOLOGY MIGRATION FOR INTEGRATED CIRCUITS WITH RADICAL DESIGN RESTRICTIONS	7257783	2007-08-14	10/905008	2004-12-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONVERTING GLOBALLY CLOCK-GATED CIRCUITS TO LOCALLY CLOCK-GATED CIRCUITS	7257788	2007-08-14	10/904397	2004-11-08	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE-GATE DEVICE WITH FLOATING BACK GATE	7259420	2007-08-21	10/710680	2004-07-28	GLOBALFOUNDRIES Inc.	Granted
APPARATUS, SYSTEM, AND METHOD FOR REDUCING ROTATIONAL VIBRATION TRANSMISSION WITHIN A DATA STORAGE SYSTEM	7259966	2007-08-21	10/931100	2004-08-31	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT YIELD ENHANCEMENT USING VORONOI DIAGRAMS	7260790	2007-08-21	10/709292	2004-04-27	GLOBALFOUNDRIES Inc.	Granted
FLUORINATED SILSESQUOXANE POLYMERS AND USE THEREOF IN LITHOGRAPHIC PHOTORESIST COMPOSITIONS	7261992	2007-08-28	10/079289	2002-02-19	GLOBALFOUNDRIES Inc.	Granted
DUAL STRESSED SOI SUBSTRATES	7262087	2007-08-28	10/905062	2004-12-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING GRID DIMENSIONS USING SCATTEROMETRY	7262864	2007-08-28	09/897573	2001-07-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR CONVERTING TOOL PROCESS ABILITY BASED UPON WORK IN PROGRESS CHARACTERISTICS	7263408	2007-08-28	10/979381	2004-11-02	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR VALIDATING A MEMORY FILE THAT LINKS SPECULATIVE RESULTS OF LOAD OPERATIONS TO REGISTER VALUES	7263600	2007-08-28	10/839474	2004-05-05	GLOBALFOUNDRIES Inc.	Granted
REMOTE MANAGEMENT MECHANISM TO PREVENT ILLEGAL SYSTEM COMMANDS	7263716	2007-08-28	10/066948	2002-02-04	GLOBALFOUNDRIES Inc.	Granted
METHOD TO BUILD SELF-ALIGNED NPN IN ADVANCED BICMOS TECHNOLOGY	7265018	2007-09-04	10/711486	2004-09-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING SEMICONDUCTOR SIDE WALL FIN PROGRAMMABLE PATTERN GENERATION FOR DYNAMIC BUS SIGNAL INTEGRITY ANALYSIS	7265417	2007-09-04	10/867772	2004-06-16	GLOBALFOUNDRIES Inc.	Granted
INTEGRITY ANALYSIS	7266488	2007-09-04	10/379977	2003-03-05	GLOBALFOUNDRIES Inc.	Granted
SPECULATION POINTERS TO IDENTIFY DATA-SPECULATIVE OPERATIONS IN MICROPROCESSOR	7266673	2007-09-04	10/429159	2003-05-02	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURES WITH ENGINEERED DIELECTRICS WITH NANOCOLUMNAR POROSITY	7268432	2007-09-11	10/683333	2003-10-10	GLOBALFOUNDRIES Inc.	Granted
CHANGING CHIP FUNCTION BASED ON FUSE STATES	7268577	2007-09-11	11/016220	2004-12-17	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR INTEGRATED CIRCUIT DEVICE DESIGN AND MANUFACTURE USING OPTICAL RULE CHECKING TO SCREEN RESOLUTION ENHANCEMENT TECHNIQUES	7269804	2007-09-11	10/816764	2004-04-02	GLOBALFOUNDRIES Inc.	Granted
LITHOGRAPHIC PROCESS WINDOW OPTIMIZATION UNDER COMPLEX CONSTRAINTS ON EDGE PLACEMENT	7269817	2007-09-11	10/776901	2004-02-10	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT ELEMENT FUNCTION MATCHING DESPITE AUTO-GENERATED DUMMY SHAPES	7269818	2007-09-11	10/905474	2005-01-06	GLOBALFOUNDRIES Inc.	Granted
SILICON-CONTAINING COMPOSITIONS FOR SPIN-ON ARC/HARDMASK MATERIALS	7270931	2007-09-18	10/679782	2003-10-06	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR STRUCTURE HAVING STRESSED REGIONS OF OPPOSITE TYPES UNDERLYING CHANNEL AND SOURCE/DRAIN REGIONS	7271442	2007-09-18	10/905586	2005-01-12	GLOBALFOUNDRIES Inc.	Granted
WRAP-AROUND GATE FIELD EFFECT TRANSISTOR	7271444	2007-09-18	10/732958	2003-12-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR INTEGRATING TEST COVERAGE MEASUREMENTS WITH MODEL BASED TEST GENERATION	7272752	2007-09-18	09/946237	2001-09-05	GLOBALFOUNDRIES Inc.	Granted
HETERO-INTEGRATED STRAINED SILICON N- AND P-MOSFETS	7273800	2007-09-25	10/978715	2004-11-01	GLOBALFOUNDRIES Inc.	Granted
FIN DEVICE WITH CAPACITOR INTEGRATED UNDER GATE ELECTRODE	7274053	2007-09-25	10/904357	2004-11-05	GLOBALFOUNDRIES Inc.	Granted
ENHANCED PFEET USING SHEAR STRESS	7274084	2007-09-25	10/905589	2005-01-12	GLOBALFOUNDRIES Inc.	Granted

METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR ENHANCING A POWER DISTRIBUTION SYSTEM IN A CERAMIC INTEGRATED CIRCUIT PACKAGE	7275222	2007-09-25	11/002086	2004-12-02	GLOBALFOUNDRIES Inc.	Granted
SILICON CHIP CARRIER WITH CONDUCTIVE THROUGH-VIAS AND METHOD FOR FABRICATING SAME	7276787	2007-10-02	10/729254	2003-12-05	GLOBALFOUNDRIES Inc.	Granted
DRAM ACCESS COMMAND QUEUING STRUCTURE	7277982	2007-10-02	10/899937	2004-07-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR OPTIMIZED INSTRUCTION FETCH TO PROTECT AGAINST SOFT AND HARD ERRORS	7278083	2007-10-02	10/604141	2003-06-27	GLOBALFOUNDRIES Inc.	Granted
COMMON CARRIER	7278459	2007-10-09	10/875699	2004-06-24	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING INLAIN STRUCTURES FOR IC INTERCONNECTIONS	7279410	2007-10-09	10/379757	2003-03-05	GLOBALFOUNDRIES Inc.	Granted
HIGH-TEMPERATURE STABLE GATE STRUCTURE WITH METALLIC ELECTRODE	7279413	2007-10-09	10/869658	2004-06-16	GLOBALFOUNDRIES Inc.	Granted
LIKE INTEGRATED CIRCUIT DEVICES WITH DIFFERENT DEPTH	7279426	2007-10-09	11/162766	2005-09-22	GLOBALFOUNDRIES Inc.	Granted
NETWORK STATE DIAGNOSTICS FOR A HOME PHONELINE NETWORKING ALLIANCE MEDIA ACCESS CONTROLLER (HFNAMAC)	7280484	2007-10-09	10/108157	2002-03-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS TO RECONCILE RECIPE MANAGER AND MANUFACTURING EXECUTION SYSTEM CONTEXT CONFIGURATIONS	7280885	2007-10-09	11/001483	2004-12-01	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD OF ANALYZING TIMING EFFECTS OF SPATIAL DISTRIBUTION IN CIRCUITS	7280939	2007-10-09	10/709362	2004-04-29	GLOBALFOUNDRIES Inc.	Granted
AUTONOMOUS PARITY EXCHANGE	7281177	2007-10-09	10/619649	2003-07-14	GLOBALFOUNDRIES Inc.	Granted
POROUS SILICON COMPOSITE STRUCTURE AS LARGE FILTRATION ARRAY	7282148	2007-10-16	10/697077	2003-10-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PRECISION ASSEMBLY OF INTEGRATED CIRCUIT CHIP PACKAGES	7282391	2007-10-16	11/385121	2006-03-21	GLOBALFOUNDRIES Inc.	Granted
TEMPERATURE STABLE METAL NITRIDE GATE ELECTRODE	7282403	2007-10-16	11/203952	2005-08-15	GLOBALFOUNDRIES Inc.	Granted
INEXPENSIVE METHOD OF FABRICATING A HIGHER PERFORMANCE CAPACITANCE DENSITY MIMCAP INTEGRABLE INTO A COPPER INTERCONNECT SCHEME	7282404	2007-10-16	10/709829	2004-06-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING FET WITH T-SHAPED GATE	7282423	2007-10-16	11/005659	2004-12-07	GLOBALFOUNDRIES Inc.	Granted
MODIFIED VIA BOTTOM STRUCTURE FOR RELIABILITY ENHANCEMENT	7282802	2007-10-16	10/964882	2004-10-14	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR THAT PREDICTS FLOATING POINT INSTRUCTION LATENCY BASED ON PREDICTED PRECISION	7284117	2007-10-16	10/700391	2003-11-04	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR SEARCH AND ANALYSIS OF SYSTEMATIC DEFECTS IN INTEGRATED CIRCUITS	7284230	2007-10-16	10/605849	2003-10-30	GLOBALFOUNDRIES Inc.	Granted
AIR-GAP INSULATED INTERCONNECTIONS	7285474	2007-10-23	10/711394	2004-09-16	GLOBALFOUNDRIES Inc.	Granted
DIGITAL RELIABILITY MONITOR HAVING AUTONOMIC REPAIR AND NOTIFICATION CAPABILITY	7287177	2007-10-23	10/729751	2003-12-04	GLOBALFOUNDRIES Inc.	Granted
PERFORMANCE IN MODEL-BASED OPC ENGINE UTILIZING EFFICIENT POLYGON PINNING METHOD	7287239	2007-10-23	10/694473	2003-10-27	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE SHIELD/MATERIAL FLOW MECHANISM	7288177	2007-10-30	10/813351	2004-03-30	GLOBALFOUNDRIES Inc.	Granted
ULTRA LOW K (ULK) SICOH FILM AND METHOD	7288292	2007-10-30	10/390801	2003-03-18	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP SIGNAL TRANSDUCER FOR GROUND NOISE ISOLATION	7288417	2007-10-30	10/905480	2005-01-06	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES AND METHODS FOR MANUFACTURING P-TYPE MOSFET WITH GRADED EMBEDDED SILICON-GERMANIUM SOURCE-DRAIN AND/OR EXTENSION	7288443	2007-10-30	10/710244	2004-06-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR SCALABLE PRE-DRIVER TO DRIVER INTERFACE	7289572	2007-10-30	10/265755	2002-10-07	GLOBALFOUNDRIES Inc.	Granted

REMOVAL OF RELATIVELY UNIMPORTANT SHAPES FROM A SET OF SHAPES	7289658	2007-10-30	10/604063	2003-06-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MANUFACTURING DIAMOND SHAPED CHIPS	7289659	2007-10-30	10/250295	2003-06-20	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC MEMORY ARCHITECTURE EMPLOYING PASSIVE EXPIRATION OF DATA	7290203	2007-10-30	10/977432	2004-10-29	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING A NITRIDED SILICON-OXIDE GATE DIELECTRIC	7291568	2007-11-06	10/604905	2003-08-26	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT IN A CHANNEL ADAPTER FOR SEGREGATING TRANSMIT PACKET DATA IN TRANSMIT BUFFERS BASED ON RESPECTIVE VIRTUAL LANES	7292593	2007-11-06	10/107151	2002-03-28	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SIZING PRODUCTION LOT STARTS WITHIN A LINEAR SYSTEM PROGRAMMING ENVIRONMENT	7292904	2007-11-06	10/605854	2003-10-31	GLOBALFOUNDRIES Inc.	Granted
BMC-HOSTED BOOT ROM INTERFACE	7293165	2007-11-06	10/406131	2003-04-03	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHODS FOR CONSTRUCTING ANTENNAS USING WIRE BONDS AS RADIATING ELEMENTS	7295161	2007-11-13	10/912959	2004-08-06	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS OF IMPRINT LITHOGRAPHY WITH ADJUSTABLE MASK	7295288	2007-11-13	11/000869	2004-12-01	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DETERMINING JITTER OF A SIGNAL IN A SERIAL LINK AND HIGH SPEED SERIAL LINK	7295604	2007-11-13	10/720974	2003-11-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR DYNAMICALLY SELECTING WAFER LOTS FOR METROLOGY PROCESSING	7296103	2007-11-13	10/958834	2004-10-05	GLOBALFOUNDRIES Inc.	Granted
FLEXIBLE PROBE/PROBE RESPONSE ROUTING FOR MAINTAINING COHERENCY	7296122	2007-11-13	10/628715	2003-07-28	GLOBALFOUNDRIES Inc.	Granted
COMBINED SYSTEM RESPONSES IN A CHIP MULTIPROCESSOR CLUSTERING TECHNIQUES FOR FASTER AND BETTER PLACEMENT OF VLSI CIRCUITS	7296167	2007-11-13	10/956537	2004-10-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING STRAINED CHANNEL CMOS TRANSISTORS HAVING LATTICE-MISMATCHED EPITAXIAL	7296252	2007-11-13	10/996293	2004-11-22	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING DEVICE FEATURES HAVING SMALL DIMENSIONS	7297583	2007-11-20	11/052675	2005-02-07	GLOBALFOUNDRIES Inc.	Granted
PRECURSORS TO FLUOROALKANOL-CONTAINING OLEFIN MONOMERS AND ASSOCIATED METHODS OF SYNTHESIS AND USE	7297636	2007-11-20	11/669389	2007-01-31	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC DISCHARGE PROTECTION DEVICE AND METHOD OF FABRICATING SAME	7297811	2007-11-20	10/729453	2003-12-04	GLOBALFOUNDRIES Inc.	Granted
WAVEGUIDE POLARIZATION BEAM SPLITTERS AND METHOD OF FABRICATING A WAVEGUIDE WIRE-GRID POLARIZATION BEAM SPLITTER	7298008	2007-11-20	11/275638	2006-01-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FAST DISTURBANCE DETECTION AND CLASSIFICATION	7298935	2007-11-20	11/415923	2006-05-01	GLOBALFOUNDRIES Inc.	Granted
PROBABILISTIC CONGESTION PREDICTION WITH PARTIAL BLOCKAGES	7299154	2007-11-20	11/130459	2005-05-16	GLOBALFOUNDRIES Inc.	Granted
NEGATIVE RESISTS BASED ON A ACID-CATALYZED ELIMINATION OF POLAR MOLECULES	7299442	2007-11-20	11/032878	2005-01-11	GLOBALFOUNDRIES Inc.	Granted
PRESSURIZED OXYGEN FOR EVALUATION OF MOLDING COMPOUND STABILITY IN SEMICONDUCTOR PACKAGING	7300739	2007-11-27	10/449181	2003-05-29	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF METAL-INSULATOR-METAL CAPACITOR SIMULTANEOUSLY WITH ALUMINUM METAL WIRING LEVEL USING A HARDMASK	7300796	2007-11-27	10/658859	2003-09-09	GLOBALFOUNDRIES Inc.	Granted
DEVICE MODELING FOR PROXIMITY EFFECTS	7301752	2007-11-27	10/709907	2004-06-04	GLOBALFOUNDRIES Inc.	Granted
HOST-INITIATED DATA RECONSTRUCTION FOR IMPROVED RAID READ OPERATIONS	7302376	2007-11-27	10/248853	2003-02-25	GLOBALFOUNDRIES Inc.	Granted
	7302603	2007-11-27	10/719180	2003-11-20	GLOBALFOUNDRIES Inc.	Granted

TECHNOLOGY MIGRATION FOR INTEGRATED CIRCUITS WITH RADICAL DESIGN RESTRICTIONS	7302651	2007-11-27	10/904225	2004-10-29	GLOBALFOUNDRIES Inc.	Granted
USE OF HYDROGEN IMPLANTATION TO IMPROVE MATERIAL PROPERTIES OF SILICON-GERMANIUM-ON-INSULATOR MATERIAL MADE BY THERMAL DIFFUSION	7304328	2007-12-04	10/982411	2004-11-05	GLOBALFOUNDRIES Inc.	Granted
POWER NETWORK RECONFIGURATION USING MEM SWITCHES	7305571	2007-12-04	10/940543	2004-09-14	GLOBALFOUNDRIES Inc.	Granted
COMMAND INITIATED LOGICAL DUMPING FACILITY	7305583	2007-12-04	10/637329	2003-08-08	GLOBALFOUNDRIES Inc.	Granted
PARTIAL GOOD INTEGRATED CIRCUIT AND METHOD OF TESTING SAME	7305600	2007-12-04	10/651874	2003-08-29	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR STATE-BASED PROFILING OF MULTIPROCESSOR SYSTEMS	7305663	2007-12-04	10/323987	2002-12-18	GLOBALFOUNDRIES Inc.	Granted
PROCESSING TASKS WITH FAILURE RECOVERY	7305675	2007-12-04	10/044707	2002-01-11	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING DUAL ETCH STOP LINER AND PROTECTIVE LAYER IN A SEMICONDUCTOR DEVICE	7306983	2007-12-11	10/905024	2004-12-10	GLOBALFOUNDRIES Inc.	Granted
TESTING OF ECC MEMORIES	7308621	2007-12-11	10/063495	2002-04-30	GLOBALFOUNDRIES Inc.	Granted
DUAL STRESSED SOI SUBSTRATES	7312134	2007-12-25	11/741441	2007-04-27	GLOBALFOUNDRIES Inc.	Granted
THREE DIMENSIONAL INTEGRATED CIRCUIT	7312487	2007-12-25	10/919121	2004-08-16	GLOBALFOUNDRIES Inc.	Granted
SPIN-CURRENT SWITCHABLE MAGNETIC MEMORY ELEMENT AND METHOD OF FABRICATING THE MEMORY ELEMENT	7313013	2007-12-25	10/990401	2004-11-18	GLOBALFOUNDRIES Inc.	Granted
DIAGNOSIS OF EQUIPMENT FAILURES USING AN INTEGRATED APPROACH OF CASE BASED REASONING AND RELIABILITY ANALYSIS	7313573	2007-12-25	10/663907	2003-09-17	GLOBALFOUNDRIES Inc.	Granted
HIGH SENSITIVITY RESIST COMPOSITIONS FOR ELECTRON-BASED LITHOGRAPHY	7314700	2008-01-01	10/537259	2002-12-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR CREATING, VIEWING, EDITING, AND SHARING OUTPUT FROM A DESIGN CHECKING SYSTEM	7315990	2008-01-01	10/707776	2004-01-12	GLOBALFOUNDRIES Inc.	Granted
WIRED BOND PADS	7316971	2008-01-08	10/711367	2004-09-14	GLOBALFOUNDRIES Inc.	Granted
PATTERNED SOI BY OXYGEN IMPLANTATION AND ANNEALING	7317226	2008-01-08	10/993270	2004-11-19	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR ACCURATE DEEP TRENCH RESISTANCE MEASUREMENT	7319259	2008-01-15	10/904528	2004-11-15	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ON-CHIP SIGNAL INTEGRITY AND NOISE VERIFICATION USING FREQUENCY DEPENDENT RLC EXTRACTION AND MODELING TECHNIQUES	7319946	2008-01-15	10/274861	2002-10-21	GLOBALFOUNDRIES Inc.	Granted
SILICON CONTAINING TARCBARRIER LAYER	7320855	2008-01-22	10/980365	2004-11-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE TO ISOLATE A QUBIT FROM THE ENVIRONMENT	7321884	2008-01-22	10/782811	2004-02-23	GLOBALFOUNDRIES Inc.	Granted
STORE-TO-LOAD FORWARDING BUFFER USING INDEXED LOOKUP	7321964	2008-01-22	10/615101	2003-07-08	GLOBALFOUNDRIES Inc.	Granted
IMPACT CHECKING TECHNIQUE	7322016	2008-01-22	11/034420	2005-01-11	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR VERIFICATION USING REACHABILITY OVERAPPROXIMATION	7322017	2008-01-22	11/011245	2004-12-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF ADDING FABRICATION MONITORS TO INTEGRATED CIRCUIT CHIPS	7323278	2008-01-29	11/687731	2007-03-19	GLOBALFOUNDRIES Inc.	Granted
SOI DEVICE WITH REDUCED JUNCTION CAPACITANCE	7323370	2008-01-29	10/997597	2004-11-24	GLOBALFOUNDRIES Inc.	Granted
INTRALEVEL DECOUPLING CAPACITOR, METHOD OF MANUFACTURE AND TESTING CIRCUIT OF THE SAME	7323382	2008-01-29	11/707060	2007-02-16	GLOBALFOUNDRIES Inc.	Granted
ANTIFUSE STRUCTURE HAVING AN INTEGRATED HEATING ELEMENT	7323761	2008-01-29	10/988132	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR INCREASING PRODUCT YIELD BY CONTROLLING LITHOGRAPHY ON THE BASIS OF ELECTRICAL SPEED DATA	7325224	2008-01-29	10/987427	2004-11-12	GLOBALFOUNDRIES Inc.	Granted

LOW REFRACTIVE INDEX POLYMERS AS UNDERLAYERS FOR SILICON-CONTAINING PHOTORESISTS	7326523	2008-02-05	11/013971	2004-12-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING DAMASCENE STRUCTURE UTILIZING PLANARIZING MATERIAL COUPLED WITH COMPRESSIVE DIFFUSION BARRIER MATERIAL	7326651	2008-02-05	10/905068	2004-12-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR CREATING PRINTED CIRCUIT BOARDS WITH STEPPED THICKNESS	7326857	2008-02-05	10/992399	2004-11-18	GLOBALFOUNDRIES Inc.	Granted
COMMUNICATION PROTOCOL PROCESSOR HAVING MULTIPLE MICROPROCESSOR CORES CONNECTED IN SERIES AND DYNAMICALLY REPROGRAMMED DURING OPERATION VIA INSTRUCTIONS TRANSMITTED ALONG THE SAME DATA PATHS USED TO CONVEY COMMUNICATION DATA	7328270	2008-02-05	09/257521	1999-02-25	GLOBALFOUNDRIES Inc.	Granted
METHOD AND DEVICE FOR FLOWING A LIQUID ON A SURFACE	7329111	2008-02-12	10/537238	2003-11-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FABRICATING OR ALTERING MICROSTRUCTURES USING LOCAL CHEMICAL ALTERATIONS	7329361	2008-02-12	10/696771	2003-10-29	GLOBALFOUNDRIES Inc.	Granted
DRILL STACK FORMATION	7329446	2008-02-12	10/691882	2003-10-23	GLOBALFOUNDRIES Inc.	Granted
MICROELECTRONIC DEVICES AND METHODS	7329948	2008-02-12	10/966202	2004-10-15	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR BALANCED SPINLOCK SUPPORT IN NANDA SYSTEMS	7334102	2008-02-19	10/434692	2003-05-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING AN ELECTRONIC FUSE WITH IMPROVED ESD TOLERANCE	7334320	2008-02-26	11/004846	2004-12-07	GLOBALFOUNDRIES Inc.	Granted
BORDERLESS CONTACT STRUCTURES	7335930	2008-02-26	11/679873	2007-02-28	GLOBALFOUNDRIES Inc.	Granted
HARDMASK FOR RELIABILITY OF SILICON BASED DIELECTRICS	7335980	2008-02-26	10/981233	2004-11-04	GLOBALFOUNDRIES Inc.	Granted
CHANGING CHIP FUNCTION BASED ON FUSE STATES	7336095	2008-02-26	11/760575	2007-06-08	GLOBALFOUNDRIES Inc.	Granted
ENHANCED SENSING IN A HIERARCHICAL MEMORY ARCHITECTURE	7336553	2008-02-26	11/697036	2007-04-05	GLOBALFOUNDRIES Inc.	Granted
SYSTEMATIC YIELD IN SEMICONDUCTOR MANUFACTURE	7337415	2008-02-26	10/711978	2004-10-18	GLOBALFOUNDRIES Inc.	Granted
HIGH SPEED DATA CHANNEL INCLUDING A CMOS VCSEL DRIVER AND A HIGH PERFORMANCE PHOTODETECTOR AND CMOS PHOTORECEIVER	7339963	2008-03-04	10/305516	2002-11-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR BUILDING BINARY DECISION DIAGRAMS EFFICIENTLY IN A STRUCTURAL NETWORK REPRESENTATION OF A DIGITAL CIRCUIT	7340473	2008-03-04	10/926587	2004-08-26	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUE FOR COMBINING SCAN TEST AND MEMORY BUILT-IN SELF TEST	7340658	2008-03-04	11/008877	2004-12-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR USING STATISTICAL SIGNATURES FOR TESTING HIGH-SPEED CIRCUITS	7340660	2008-03-04	10/680679	2003-10-07	GLOBALFOUNDRIES Inc.	Granted
INCORPORATION OF A PHASE MAP INTO FAST MODEL-BASED OPTICAL PROXIMITY CORRECTION SIMULATION KERNELS TO ACCOUNT FOR NEAR AND MID-RANGE FLARE	7343271	2008-03-11	10/694465	2003-10-27	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DEFERRED DATA COLLECTION IN A CLOCK RUNNING SYSTEM	7343534	2008-03-11	10/855047	2004-05-27	GLOBALFOUNDRIES Inc.	Granted
CUT-AND-PASTE IMPRINT LITHOGRAPHIC MOLD AND METHOD THEREFOR	7344955	2008-03-18	10/992072	2004-11-19	GLOBALFOUNDRIES Inc.	Granted
WIRING PATTERNS FORMED BY SELECTIVE METAL PLATING	7345370	2008-03-18	10/905590	2005-01-12	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR REAL-TIME ESTIMATION AND PREDICTION OF THE THERMAL STATE OF A MICROPROCESSOR UNIT	7347621	2008-03-25	10/892211	2004-07-16	GLOBALFOUNDRIES Inc.	Granted
HIGH-QUALITY SGOI BY ANNEALING NEAR THE ALLOY MELTING POINT	7348253	2008-03-25	10/855915	2004-05-27	GLOBALFOUNDRIES Inc.	Granted
DEVICE HAVING ENHANCED STRESS STATE AND RELATED METHODS	7348635	2008-03-25	10/905025	2004-12-10	GLOBALFOUNDRIES Inc.	Granted

STRUCTURE AND METHOD OF MAKING DOUBLE-GATED SELF-ALIGNED FINET HAVING GATES OF DIFFERENT LENGTHS	7348641	2008-03-25	10/711182	2004-08-31	GLOBALFOUNDRIES Inc.	Granted
TEST SYSTEM FOR INTEGRATED CIRCUITS	7350108	2008-03-25	09/394302	1999-09-10	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DISPLAYING A GUARD RING WITHIN AN INTEGRATED CIRCUIT	7350160	2008-03-25	10/604059	2003-06-24	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IMPROVING OPTICAL PROXIMITY CORRECTION	7350183	2008-03-25	10/904355	2004-11-05	GLOBALFOUNDRIES Inc.	Granted
SELF-ORIENTING MICRO PLATES OF THERMALLY CONDUCTING MATERIAL AS COMPONENT IN THERMAL PASTE OR ADHESIVE	7351360	2008-04-01	10/986665	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
INCREASING AN ELECTRICAL RESISTANCE OF A RESISTOR BY OXIDATION OR NITRIDIZATION	7351639	2008-04-01	10/753241	2004-01-08	GLOBALFOUNDRIES Inc.	Granted
SILICON BASED OPTICAL VIAS	7352066	2008-04-01	10/675139	2003-09-30	GLOBALFOUNDRIES Inc.	Granted
DATA TRANSCIVER AND METHOD FOR EQUALIZING THE DATA EYE OF A DIFFERENTIAL INPUT DATA SIGNAL	7352815	2008-04-01	10/604025	2003-06-23	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR LOGIC VERIFICATION USING MIRROR INTERFACE	7353131	2008-04-01	10/986773	2004-11-15	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR AUTOMATIC SELECTION OF TRANSMISSION LINE MACROMODELS	7353155	2008-04-01	10/816150	2004-04-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF SWITCHING EXTERNAL MODELS IN AN AUTOMATED SYSTEM-ON-CHIP INTEGRATED CIRCUIT DESIGN VERIFICATION SYSTEM	7353156	2008-04-01	09/683677	2002-02-01	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PARALLEL SIMULATION ON A SINGLE MICROPROCESSOR USING META-MODELS	7353159	2008-04-01	10/146331	2002-05-15	GLOBALFOUNDRIES Inc.	Granted
AFFINITY-BASED CLUSTERING OF VECTORS FOR PARTITIONING THE COLUMNS OF A MATRIX	7353359	2008-04-01	10/696511	2003-10-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF IDENTIFYING PATHS WITH DELAYS DOMINATED BY A PARTICULAR FACTOR	7353477	2008-04-01	10/709327	2004-04-28	GLOBALFOUNDRIES Inc.	Granted
DETECTION OF DIAMOND CONTAMINATION IN POLISHING PAD	7354333	2008-04-08	10/903816	2005-01-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING ELECTRICALLY PROGRAMMABLE FUSE FOR SILICON-ON-INSULATOR (SOI) TECHNOLOGY	7354805	2008-04-08	11/739979	2007-04-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR REDUCING OVERLAP CAPACITANCE IN FIELD EFFECT TRANSISTORS	7355245	2008-04-08	11/692453	2007-03-28	GLOBALFOUNDRIES Inc.	Granted
APPARATUS, METHOD, AND COMPUTER PROGRAM PRODUCT FOR MONITORING AND CONTROLLING A MICROCOMPUTER USING A SINGLE EXISTING PIN	7355384	2008-04-08	10/821044	2004-04-08	GLOBALFOUNDRIES Inc.	Granted
SEGMENTED CONTENT ADDRESSABLE MEMORY ARCHITECTURE FOR IMPROVED CYCLE TIME AND REDUCED POWER CONSUMPTION	7355872	2008-04-08	10/673801	2003-09-29	GLOBALFOUNDRIES Inc.	Granted
OHM RECEIVER HAVING ADAPTIVE CHANNEL ESTIMATOR FOR CORRECTING CHANNEL FADING BASED ON ACCUMULATED PSEUDO POWER VALUES	7356108	2008-04-08	10/817811	2004-04-06	GLOBALFOUNDRIES Inc.	Granted
SIMILARITY SEARCHING OF MOLECULES BASED UPON DESCRIPTOR VECTORS CHARACTERIZING MOLECULAR REGIONS	7356415	2008-04-08	09/275568	1999-03-24	GLOBALFOUNDRIES Inc.	Granted
ULTRALOW DIELECTRIC CONSTANT LAYER WITH CONTROLLED BIAXIAL STRESS	7357977	2008-04-15	11/034479	2005-01-13	GLOBALFOUNDRIES Inc.	Granted
COPOLYMER FOR USE IN CHEMICAL AMPLIFICATION RESISTS	7358027	2008-04-15	10/091373	2002-03-04	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR (SOI) READ ONLY MEMORY (ROM) ARRAY AND METHOD OF MAKING A SOI ROM	7358120	2008-04-15	11/672251	2007-02-07	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR WAFER HAVING REENTRANT SHAPE DIELECTRIC TRENCHES	7358586	2008-04-15	10/951745	2004-09-28	GLOBALFOUNDRIES Inc.	Granted
AUTONOMIC E-MAIL PROCESSING SYSTEM AND METHOD	7359947	2008-04-15	10/604583	2003-07-31	GLOBALFOUNDRIES Inc.	Granted

MULTILAYERED RESIST SYSTEMS USING TUNED POLYMER FILMS AS UNDERLAYERS AND METHODS OF FABRICATION THEREOF	7361444	2008-04-22	09/256034	1999-02-23	GLOBALFOUNDRIES Inc.	Granted
REAL-TIME CONFIGURABLE MASKING	7361457	2008-04-22	10/755875	2004-01-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CLEANING A SEMICONDUCTOR SUBSTRATE IN AN IMMERSION LITHOGRAPHY SYSTEM	7362412	2008-04-22	10/904601	2004-11-18	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT SELECTIVE SCALING	7363601	2008-04-22	10/711959	2004-10-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF LOGIC CIRCUIT SYNTHESIS AND DESIGN USING A DYNAMIC CIRCUIT LIBRARY	7363609	2008-04-22	09/915437	2001-07-26	GLOBALFOUNDRIES Inc.	Granted
SWITCHED COMBINING ANTENNA DIVERSITY TECHNIQUE	7366139	2008-04-29	10/184422	2002-06-27	GLOBALFOUNDRIES Inc.	Granted
SIMULTANEOUS COMPUTATION OF MULTIPLE POINTS ON ONE OR MULTIPLE CUT LINES	7366342	2008-04-29	10/694299	2003-10-27	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR OPTIMIZING LOOP CONTROL OF MICROCODED INSTRUCTIONS	7366885	2008-04-29	10/838791	2004-06-02	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR VERIFICATION OF DIGITAL DESIGNS USING CASE-SPLITTING VIA CONSTRAINED INTERNAL SIGNALS	7367001	2008-04-29	11/002525	2004-12-02	GLOBALFOUNDRIES Inc.	Granted
Y-SHAPED CARBON NANOTUBES AS AFM PROBE FOR ANALYZING SUBSTRATES WITH ANGLED TOPOGRAPHY	7368712	2008-05-06	11/164792	2005-12-06	GLOBALFOUNDRIES Inc.	Granted
IMPEDANCE CALIBRATION FOR SOURCE SERIES TERMINATED SERIAL LINK TRANSMITTER	7368902	2008-05-06	11/262101	2005-10-28	GLOBALFOUNDRIES Inc.	Granted
APPARATUSES FOR DISSIPATING HEAT FROM SEMICONDUCTOR DEVICES	7369410	2008-05-06	11/416762	2006-05-03	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR STRUCTURAL CLUSTERING OF TIME SEQUENCES	7369961	2008-05-06	11/096485	2005-03-31	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR INCREMENTAL DESIGN REDUCTION VIA ITERATIVE OVERAPPROXIMATION AND RE-ENCODING STRATEGIES	7370292	2008-05-06	11/011246	2004-12-14	GLOBALFOUNDRIES Inc.	Granted
MODELING LANGUAGE AND METHOD FOR ADDRESS TRANSLATION DESIGN MECHANISMS IN TEST GENERATION	7370296	2008-05-06	10/853041	2004-05-25	GLOBALFOUNDRIES Inc.	Granted
MULTILAYER HARDMASK SCHEME FOR DAMAGE-FREE DUAL DAMASCENE PROCESSING OF SIOH DIELECTRICS	7371461	2008-05-13	11/034480	2005-01-13	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR PREPARING ELECTRONICS STRUCTURES USING A SACRIFICIAL MULTILAYER HARDMASK SCHEME	7371684	2008-05-13	11/130078	2005-05-16	GLOBALFOUNDRIES Inc.	Granted
BACKSIDE UNLAYERING OF MOSFET DEVICES FOR ELECTRICAL AND PHYSICAL CHARACTERIZATION	7371689	2008-05-13	11/242719	2005-10-03	GLOBALFOUNDRIES Inc.	Granted
HDP-BASED ILD CAPPING LAYER	7372158	2008-05-13	11/467593	2006-08-28	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR GATE SHAPE METROLOGY USING MULTIPLE DATA SOURCES	7373215	2008-05-13	11/469206	2006-08-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FILTERING MEMORY WRITE SNOOP ACTIVITY IN A DISTRIBUTED SHARED MEMORY COMPUTER	7373466	2008-05-13	10/819451	2004-04-07	GLOBALFOUNDRIES Inc.	Granted
CONTROLLING WRITES TO NON-RENAMED REGISTER SPACE IN AN OUT-OF-ORDER EXECUTION MICROPROCESSOR	7373484	2008-05-13	10/755692	2004-01-12	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD OF PROVIDING ERROR DETECTION AND CORRECTION CAPABILITY IN AN INTEGRATED CIRCUIT USING REDUNDANT LOGIC CELLS OF AN EMBEDDED FPGA	7373567	2008-05-13	10/709754	2004-05-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR PERFORMING TARGET ENLARGEMENT IN THE PRESENCE OF CONSTRAINTS	7373624	2008-05-13	11/225672	2005-09-13	GLOBALFOUNDRIES Inc.	Granted
LAND GRID ARRAY (LGA) INTERPOSER UTILIZING METAL-ON-ELASTOMER HEMI-TORUS AND OTHER MULTIPLE POINTS OF CONTACT GEOMETRIES	7374428	2008-05-20	11/865395	2007-10-01	GLOBALFOUNDRIES Inc.	Granted

METHODS AND STRUCTURES FOR PROMOTING STABLE SYNTHESIS OF CARBON NANOTUBES	7374793	2008-05-20	10/733974	2003-12-11	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH THIN GATE ELECTRODE AND METHOD OF FABRICATING SAME	7374980	2008-05-20	11/549311	2006-10-13	GLOBALFOUNDRIES Inc.	Granted
FINET AND PRET DEVICES AND METHODS OF FABRICATING SAME	7374988	2008-05-20	11/378786	2006-03-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR ELIMINATING ALUMINUM TERMINAL PAD MATERIAL IN SEMICONDUCTOR DEVICES	7375021	2008-05-20	11/308539	2006-04-04	GLOBALFOUNDRIES Inc.	Granted
RECESSING TRENCH TO TARGET DEPTH USING FEED FORWARD DATA	7375034	2008-05-20	11/308394	2006-03-21	GLOBALFOUNDRIES Inc.	Granted
MONITORING IONIZING RADIATION IN SILICON-ON-INSULATOR INTEGRATED CIRCUITS	7375339	2008-05-20	11/380736	2006-04-28	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR THERMALLY STRESSING OR TESTING A SEMICONDUCTOR DEVICE	7375371	2008-05-20	11/307324	2006-02-01	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN SOI VERTICAL BIPOLAR TRANSISTORS WITH AN INVERSION COLLECTOR ON THIN-BURIED OXIDE (BOX) FOR LOW SUBSTRATE-BIAS OPERATION AND METHODS THEREOF	7375410	2008-05-20	10/787002	2004-02-25	GLOBALFOUNDRIES Inc.	Granted
TRENCH WIDENING WITHOUT MERGING	7375413	2008-05-20	11/420527	2006-05-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR PERFORMING STREAMING OF ENCODED DATA	7375657	2008-05-20	11/745970	2007-05-08	GLOBALFOUNDRIES Inc.	Granted
ROTATABLE COMPONENT SUPPORT ASSEMBLY FOR AN ELECTRONICS ENCLOSURE	7375961	2008-05-20	11/427077	2006-06-28	GLOBALFOUNDRIES Inc.	Granted
ROW CIRCUIT RING OSCILLATOR METHOD FOR EVALUATING MEMORY CELL PERFORMANCE	7376001	2008-05-20	11/250019	2005-10-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR PREDICTING THE PERFORMANCE BENEFITS OF MAPPING SUBSETS OF APPLICATION DATA TO MULTIPLE PAGE SIZES	7376808	2008-05-20	11/243565	2006-01-31	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CONTROLLING POWER CHANGE FOR A SEMICONDUCTOR MODULE	7376852	2008-05-20	10/700989	2003-11-04	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR PLACEMENT WHICH MAINTAIN OPTIMIZED BEHAVIOR, WHILE IMPROVING WIREABILITY POTENTIAL	7376924	2008-05-20	11/180740	2005-07-13	GLOBALFOUNDRIES Inc.	Granted
LAND GRID ARRAY (LGA) INTERPOSER UTILIZING METAL-ON-ELASTOMER HEMISPHERUS AND OTHER MULTIPLE POINTS OF CONTACT GEOMETRIES	7377790	2008-05-27	11/865231	2007-10-01	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR COLORING A PARTIALLY COLORED DESIGN IN AN ALTERNATING PHASE SHIFT MASK	7378195	2008-05-27	10/710224	2004-06-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING A PRINTED WIRING BOARD WITH CONFORMALLY PLATED CIRCUIT TRACES	7378227	2008-05-27	10/969684	2004-10-20	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE LINKS IN SILICON HETERO-JUNCTION BIPOLAR TRANSISTORS USING CARBON DOPING AND METHOD OF FORMING SAME	7378324	2008-05-27	11/308503	2006-03-30	GLOBALFOUNDRIES Inc.	Granted
SPLIT POLY-SIGE/POLY-SI ALLOY GATE STACK	7378336	2008-05-27	11/124978	2005-05-09	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF LOW RESISTANCE VIA CONTACTS IN INTERCONNECT STRUCTURES	7378330	2008-05-27	11/182445	2005-07-15	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE DIELECTRIC FINFET STRUCTURE AND METHOD	7378357	2008-05-27	11/264446	2005-11-01	GLOBALFOUNDRIES Inc.	Granted
PRECURSORS TO FLUOROALKANOL-CONTAINING OLFIN MONOMERS, AND ASSOCIATED METHODS OF SYNTHESIS AND USE	7378542	2008-05-27	11/844831	2007-08-24	GLOBALFOUNDRIES Inc.	Granted
MEMORY DEVICE AND METHOD OF MANUFACTURING THE DEVICE BY SIMULTANEOUSLY CONDITIONING TRANSITION METAL OXIDE LAYERS IN A PLURALITY OF MEMORY CELLS	7378678	2008-05-27	11/748579	2007-05-15	GLOBALFOUNDRIES Inc.	Granted
GATE STACKS	7378712	2008-05-27	11/463039	2006-08-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR OPTICAL SENSORS	7378717	2008-05-27	11/164217	2005-11-15	GLOBALFOUNDRIES Inc.	Granted

PROGRAMMABLE LOW-POWER HIGH-FREQUENCY DIVIDER	7378890	2008-05-27	11/857632	2007-09-19	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP ELECTRICALLY ALTERABLE RESISTOR	7378895	2008-05-27	10/996312	2004-11-23	GLOBALFOUNDRIES Inc.	Granted
LOW-RATE WIRELESS PERSONAL AREA NETWORK SYSTEM FOR TRACKING CONTAINERS	7378960	2008-05-27	11/939093	2007-11-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND COMPUTER PROGRAM FOR EFFICIENT CELL FAILURE RATE ESTIMATION IN CELL ARRAYS	7380225	2008-05-27	11/754477	2006-03-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FACILITATING INTEGRATED CIRCUIT DESIGN USING MANUFACTURED PROPERTY VALUES	7380233	2008-05-27	11/162196	2005-08-31	GLOBALFOUNDRIES Inc.	Granted
LAND GRID ARRAY (LGA) INTERPOSER UTILIZING METAL-ON-ELASTOMER HEMITRUS AND OTHER MULTIPLE POINTS OF CONTACT GEOMETRIES	7381063	2008-06-03	11/865253	2007-10-01	GLOBALFOUNDRIES Inc.	Granted
HETERO DIELS-ALDER ADDUCTS OF PENTACENE AS SOLUBLE PRECURSORS OF PENTACENE	7381585	2008-06-03	11/526943	2006-09-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND DEVICE INCLUDING REWORKABLE ALPHA PARTICLE BARRIER AND CORROSION BARRIER	7381590	2008-06-03	11/308167	2006-03-09	GLOBALFOUNDRIES Inc.	Granted
PRE-EPITAXIAL DISPOSABLE SPACER INTEGRATION SCHEME WITH VERY LOW TEMPERATURE SELECTIVE EPITAXY FOR ENHANCED DEVICE PERFORMANCE	7381623	2008-06-03	11/623882	2007-01-17	GLOBALFOUNDRIES Inc.	Granted
DUAL WIRED INTEGRATED CIRCUIT CHIPS	7381627	2008-06-03	11/774853	2007-07-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR REDUCTION OF SOFT ERROR RATES IN INTEGRATED CIRCUITS	7381635	2008-06-03	11/183647	2005-07-18	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED THIN-FILM RESISTOR WITH DIRECT CONTACT SYSTEM FOR ACQUIRING DEVICE PARAMETERS	7382055	2008-06-03	11/846595	2007-08-29	GLOBALFOUNDRIES Inc.	Granted
HIGH-DENSITY LOGIC TECHNIQUES WITH REDUCED-STACK MULTI-GATE FIELD EFFECT TRANSISTORS	7382149	2008-06-03	11/459362	2006-07-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR OPTIMIZING HEAT TRANSFER WITH ELECTRONIC COMPONENTS	7382162	2008-06-03	11/181954	2005-07-14	GLOBALFOUNDRIES Inc.	Granted
RECTIFYING ELEMENT FOR A CROSSPOINT BASED MEMORY ARRAY ARCHITECTURE	7382620	2008-06-03	11/249911	2005-10-13	GLOBALFOUNDRIES Inc.	Granted
SHARED RESOURCES IN A CHIP MULTIPROCESSOR	7382647	2008-06-03	11/679785	2007-02-27	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR MEMORY ARRAY REPAIR WHERE REPAIR LOGIC CANNOT OPERATE AT SAME OPERATING CONDITION AS ARRAY	7383423	2008-06-03	10/957250	2004-10-01	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND PROGRAMMING OF LASER FUSE	7383475	2008-06-03	11/926297	2007-10-29	GLOBALFOUNDRIES Inc.	Granted
METAL OXIDE FIELD EFFECT TRANSISTOR WITH A SHARP HALO AND A METHOD OF FORMING THE TRANSISTOR	7384824	2008-06-10	11/420318	2006-05-25	GLOBALFOUNDRIES Inc.	Granted
METHODS INVOLVING SILICON-ON-INSULATOR TRENCH MEMORY WITH IMPLANTED PLATE	7384835	2008-06-10	12/031093	2008-02-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING LOW CAPACTANCE ESD ROBUST DIODES	7384842	2008-06-10	09/683985	2002-03-08	GLOBALFOUNDRIES Inc.	Granted
MEMORY AND LOGIC DEVICES USING ELECTRONICALLY SCANNABLE MULTIPLEXING DEVICES	7384854	2008-06-10	11/116700	2005-04-27	GLOBALFOUNDRIES Inc.	Granted
AREA-EFFICIENT GATED DIODE STRUCTURE AND METHOD OF FORMING SAME	7385234	2008-06-10	11/34170	2006-01-18	GLOBALFOUNDRIES Inc.	Granted
HYBRID ORIENTATION SOI SUBSTRATES, AND METHOD FOR FORMING THE SAME	7385251	2008-06-10	11/411280	2006-04-26	GLOBALFOUNDRIES Inc.	Granted
FLEXIBLE CAPACITIVE COUPLER ASSEMBLY AND METHOD OF MANUFACTURE	7385257	2008-06-10	11/390510	2006-03-27	GLOBALFOUNDRIES Inc.	Granted
IMMERSION LITHOGRAPHY WITH EQUALIZED PRESSURE ON AT LEAST PROJECTION OPTICS COMPONENT AND WAFER	7385457	2008-06-10	11/160156	2005-06-10	GLOBALFOUNDRIES Inc.	Granted
MEMORY DEVICES USING CARBON NANOTUBE (CNT) TECHNOLOGIES	7385673	2008-06-10	11/275010	2005-12-01	GLOBALFOUNDRIES Inc.	Granted

GENERATION OF HARDWARE THERMAL PROFILES FOR A SET OF PROCESSORS	7386414	2008-06-10	11/289066	2005-11-29	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR STORAGE AREA NETWORK DESIGN	7386585	2008-06-10	10/978056	2004-10-30	GLOBALFOUNDRIES Inc.	Granted
TEST YIELD ESTIMATE FOR SEMICONDUCTOR PRODUCTS CREATED FROM A LIBRARY	7386815	2008-06-10	11/163696	2005-10-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DETERMINING STOPPING POWERS OF DESIGN STRUCTURES WITH RESPECT TO A TRAVELING PARTICLE	7386817	2008-06-10	11/618993	2007-01-02	GLOBALFOUNDRIES Inc.	Granted
POLYCRYSTALLINE SIEGE JUNCTIONS FOR ADVANCED DEVICES	7387924	2008-06-17	11/522623	2006-09-18	GLOBALFOUNDRIES Inc.	Granted
INTEGRATION OF STRAINED GE INTO ADVANCED CMOS TECHNOLOGY	7387925	2008-06-17	11/799261	2007-04-10	GLOBALFOUNDRIES Inc.	Granted
THERMAL DISSIPATION STRUCTURES FOR FINFETS	7387937	2008-06-17	11/756078	2007-05-31	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR DETERMINING THERMAL CYCLE RELIABILITY	7388224	2008-06-17	11/502196	2006-08-10	GLOBALFOUNDRIES Inc.	Granted
LOCAL COLLECTOR IMPLANT STRUCTURE FOR HETEROJUNCTION BIPOLAR TRANSISTORS	7388237	2008-06-17	11/870437	2007-10-11	GLOBALFOUNDRIES Inc.	Granted
TRENCH METAL-INSULATOR-METAL (MIM) CAPACITORS AND METHOD OF FABRICATING SAME	7388244	2008-06-17	11/162776	2005-09-22	GLOBALFOUNDRIES Inc.	Granted
MULTI-GATE DEVICE WITH HIGH K DIELECTRIC FOR CHANNEL TOP SURFACE	7388257	2008-06-17	10/711200	2004-09-01	GLOBALFOUNDRIES Inc.	Granted
SECTIONAL FIELD EFFECT DEVICES	7388258	2008-06-17	10/732322	2003-12-10	GLOBALFOUNDRIES Inc.	Granted
STRAINED FINFET CMOS DEVICE STRUCTURES	7388259	2008-06-17	10/536483	2002-11-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR ACCURATE DEEP TRENCH RESISTANCE MEASUREMENT	7388261	2008-06-17	11/853040	2007-09-11	GLOBALFOUNDRIES Inc.	Granted
REPROGRAMMABLE FUSE STRUCTURE AND METHOD	7388273	2008-06-17	11/152750	2005-06-14	GLOBALFOUNDRIES Inc.	Granted
CAPACITOR BELOW THE BURIED OXIDE OF SOI CMOS TECHNOLOGIES FOR PROTECTION AGAINST SOFT ERRORS	7388274	2008-06-17	11/838931	2007-08-15	GLOBALFOUNDRIES Inc.	Granted
CHIP AND WAFER INTEGRATION PROCESS USING VERTICAL CONNECTIONS	7388277	2008-06-17	11/033926	2005-01-12	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE FIELD EFFECT TRANSISTORS ON SOI SUBSTRATE WITH STRESS-INDUCING MATERIAL AS BURIED INSULATOR AND METHODS	7388278	2008-06-17	11/088595	2005-03-24	GLOBALFOUNDRIES Inc.	Granted
MECHANICALLY DECOUPLED OPTO-MECHANICAL CONNECTOR FOR FLEXIBLE OPTICAL WAVEGUIDES EMBEDDED AND/OR ATTACHED TO A PRINTED CIRCUIT BOARD	7389015	2008-06-17	11/877859	2007-10-24	GLOBALFOUNDRIES Inc.	Granted
EFFICIENT PRESENTATION OF FUNCTIONAL COVERAGE RESULTS	7389215	2008-06-17	11/101333	2005-04-07	GLOBALFOUNDRIES Inc.	Granted
MICROPROCESSOR INCLUDING A CONFIGURABLE TRANSLATION LOOKASIDE BUFFER	7389402	2008-06-17	11/146863	2005-06-07	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR DESIGNING A LOW LEAKAGE MONOTONIC CMOS LOGIC CIRCUIT	7389478	2008-06-17	11/407176	2006-04-19	GLOBALFOUNDRIES Inc.	Granted
CONTENT BASED YIELD PREDICTION OF VLSI DESIGNS	7389480	2008-06-17	10/908342	2005-05-09	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT DESIGN UTILIZING ARRAY OF FUNCTIONALLY INTERCHANGEABLE DYNAMIC LOGIC CELLS	7389481	2008-06-17	11/128069	2005-05-12	GLOBALFOUNDRIES Inc.	Granted
LOCAL COLLECTOR IMPLANT STRUCTURE FOR HETEROJUNCTION BIPOLAR TRANSISTORS AND METHOD OF FORMING THE SAME	7390720	2008-06-24	11/538848	2006-10-05	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A BODY CAPACITOR FOR SOI MEMORY	7390730	2008-06-24	11/742147	2007-04-30	GLOBALFOUNDRIES Inc.	Granted
LITHOGRAPHY TOOL IMAGE QUALITY EVALUATING AND CORRECTING	7391023	2008-06-24	11/151480	2005-06-13	GLOBALFOUNDRIES Inc.	Granted
SECURE ELECTRICALLY PROGRAMMABLE FUSE	7391097	2008-06-24	11/160151	2005-06-10	GLOBALFOUNDRIES Inc.	Granted

CONTACT RESISTANCE TEST STRUCTURE AND METHODS OF USING SAME	7391226	2008-06-24	11/421217	2006-05-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR EXTENDING LIFETIME RELIABILITY OF DIGITAL LOGIC DEVICES THROUGH REVERSAL OF AGING MECHANISMS	7391232	2008-06-24	11/928205	2007-10-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR EXTENDING LIFETIME RELIABILITY OF DIGITAL LOGIC DEVICES THROUGH REMOVAL OF AGING MECHANISMS	7391233	2008-06-24	11/928232	2007-10-30	GLOBALFOUNDRIES Inc.	Granted
SERIAL LINK OUTPUT STAGE DIFFERENTIAL AMPLIFIER AND METHOD	7391266	2008-06-24	11/531714	2006-09-14	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR IMPROVING POWER DISTRIBUTION CURRENT MEASUREMENT ON PRINTED CIRCUIT BOARDS	7391620	2008-06-24	10/707479	2003-12-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS OF CAPACITY LEARNING FOR COMPUTER SYSTEMS AND APPLICATIONS	7392159	2008-06-24	11/157090	2005-06-20	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND PROGRAM PRODUCT FOR DEFINING AND RECORDING MINIMUM AND MAXIMUM EVENT COUNTS OF A SIMULATION UTILIZING A HIGH LEVEL LANGUAGE	7392169	2008-06-24	10/970469	2004-10-21	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR SUPER FAST BUFFER INSERTION	7392493	2008-06-24	10/996292	2004-11-22	GLOBALFOUNDRIES Inc.	Granted
PROGRAM COMPONENTS HAVING MULTIPLE SELECTABLE IMPLEMENTATIONS	7392515	2008-06-24	10/073630	2002-02-11	GLOBALFOUNDRIES Inc.	Granted
COPLANAR SILICON-ON-INSULATOR (SOI) REGIONS OF DIFFERENT CRYSTAL ORIENTATIONS AND METHODS OF MAKING THE SAME	7393730	2008-07-01	11/929106	2007-10-30	GLOBALFOUNDRIES Inc.	Granted
DOUBLE SILICON-ON-INSULATOR (SOI) METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (MOSFET) STRUCTURES	7393732	2008-07-01	11/251184	2006-02-09	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR AND METHOD OF FABRICATING A HIGH-MOBILITY FIELD-EFFECT TRANSISTOR	7393735	2008-07-01	11/209408	2005-08-23	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING LAMINATED ISOLATION REGION	7393751	2008-07-01	11/685457	2007-03-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING CLOSED AIR GAP INTERCONNECTS AND STRUCTURES FORMED THEREBY	7393776	2008-07-01	11/405287	2006-04-17	GLOBALFOUNDRIES Inc.	Granted
SACRIFICIAL METAL SPACER DAMASCENE PROCESS	7393777	2008-07-01	10/984439	2004-11-09	GLOBALFOUNDRIES Inc.	Granted
HEAT-SHIELDED LOW POWER PCM-BASED REPROGRAMMABLE FUSE DEVICE	7394089	2008-07-01	11/467294	2006-08-25	GLOBALFOUNDRIES Inc.	Granted
PLANAR VERTICAL RESISTOR AND BOND PAD RESISTOR	7394110	2008-07-01	11/307404	2006-02-06	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNMENT SCHEME FOR A HETEROJUNCTION BIPOLAR TRANSISTOR	7394113	2008-07-01	11/460013	2006-07-26	GLOBALFOUNDRIES Inc.	Granted
STI FORMATION IN SEMICONDUCTOR DEVICE INCLUDING SOI AND BULK SILICON REGIONS	7394131	2008-07-01	11/425467	2006-06-21	GLOBALFOUNDRIES Inc.	Granted
SERVO SYSTEM FOR A TWO-DIMENSIONAL MICRO-ELECTROMECHANICAL SYSTEM (MEMS)-BASED SCANNER AND METHOD THEREFOR	7394218	2008-07-01	11/240833	2005-10-03	GLOBALFOUNDRIES Inc.	Granted
METHOD OF OBTAINING ENHANCED LOCALIZED THERMAL INTERFACE REGIONS BY PARTICLE STACKING	7394657	2008-07-01	11/358501	2006-02-21	GLOBALFOUNDRIES Inc.	Granted
TEST-CASES FOR FUNCTIONAL VERIFICATION OF SYSTEM-LEVEL INTERCONNECT	7395196	2008-07-01	10/929935	2004-08-30	GLOBALFOUNDRIES Inc.	Granted
MEMORY ARRAY REPAIR WHERE REPAIR LOGIC CANNOT OPERATE AT SAME OPERATING CONDITION AS ARRAY	7395465	2008-07-01	11/275540	2006-01-13	GLOBALFOUNDRIES Inc.	Granted
DATA STORAGE SYSTEMS	7395482	2008-07-01	10/739966	2003-12-18	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND PROGRAM PRODUCT PROVIDING A CONFIGURATION SPECIFICATION LANGUAGE HAVING CLONE LATCH SUPPORT	7395524	2008-07-01	10/651186	2003-08-28	GLOBALFOUNDRIES Inc.	Granted

SIDEWALL SEMICONDUCTOR TRANSISTORS	7397081	2008-07-08	10/905041	2004-12-13	GLOBALFOUNDRIES Inc.	Granted
FEOL/FEOL METAL RESISTOR FOR HIGH END CMOS	7397087	2008-07-08	10/710847	2004-08-06	GLOBALFOUNDRIES Inc.	Granted
METHODS AND ARRANGEMENTS FOR LINK POWER REDUCTION	7397876	2008-07-08	10/915790	2004-08-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR THE COMPRESSION OF PROBABILITY TABLES	7400277	2008-07-15	10/818567	2004-04-06	GLOBALFOUNDRIES Inc.	Granted
BUILT IN SELF-TEST CIRCUIT FOR MEASURING TOTAL TIMING UNCERTAINTY IN A DIGITAL DATA PATH	7400555	2008-07-15	10/712925	2003-11-13	GLOBALFOUNDRIES Inc.	Granted
SIGNAL SENSITIVITY TO PARAMETER VARIATION BASED TIMING ANALYSIS	7401307	2008-07-15	10/904309	2004-11-03	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC METHOD FOR ROUTING AND DESIGNING AN LIST PIN GRID ARRAY ZERO INSERTION FORCE CONNECTORS CONFIGURABLE FOR SUPPORTING LARGE PIN COUNTS	7401312	2008-07-15	10/983819	2004-11-08	GLOBALFOUNDRIES Inc.	Granted
FLIP HERAM CELL AND METHOD TO FORM SAME	7402053	2008-07-22	11/763499	2007-06-15	GLOBALFOUNDRIES Inc.	Granted
ULTRA SHALLOW JUNCTION FORMATION BY EPITAXIAL INTERFACE LIMITED DIFFUSION	7402857	2008-07-22	11/687000	2007-03-16	GLOBALFOUNDRIES Inc.	Granted
ULTRA SHALLOW JUNCTION FORMATION BY EPITAXIAL INTERFACE LIMITED DIFFUSION	7402870	2008-07-22	10/711899	2004-10-12	GLOBALFOUNDRIES Inc.	Granted
FLEXIBLE MULTIMODE LOGIC ELEMENT FOR USE IN A CONFIGURABLE MIXED LOGIC SIGNAL DISTRIBUTION PATH	7403039	2008-07-22	11/670537	2007-02-02	GLOBALFOUNDRIES Inc.	Granted
TRANSIENT SIMULATION USING ADAPTIVE PIECEWISE CONSTANT MODEL	7403884	2008-07-22	10/709949	2004-06-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR SELF-ASSEMBLING INSTRUCTION OPCODES FOR A CUSTOM RANDOM FUNCTIONAL TEST OF A MICROPROCESSOR	7404110	2008-07-22	11/004264	2004-12-01	GLOBALFOUNDRIES Inc.	Granted
FLEXIBLE ROW REDUNDANCY SYSTEM	7404113	2008-07-22	11/031138	2005-01-07	GLOBALFOUNDRIES Inc.	Granted
IC DESIGN MODELING ALLOWING DIMENSION-DEPENDENT RULE CHECKING	7404164	2008-07-22	10/708039	2004-02-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR GENERATING A SET OF TEST PATTERNS FOR AN OPTICAL PROXIMITY CORRECTION ALGORITHM	7404174	2008-07-22	10/710648	2004-07-27	GLOBALFOUNDRIES Inc.	Granted
COMBINATION OF NON-LITHOGRAPHIC SHRINK TECHNIQUES AND TRIM PROCESS FOR GATE FORMATION AND LINE-EDGE ROUGHNESS REDUCTION	7405032	2008-07-29	10/643364	2003-08-21	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING CO-PLANAR WAFER-SCALE CHIP PACKAGES	7405108	2008-07-29	10/994494	2004-11-20	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHODOLOGY FOR REDUCING EFFECTIVE DIELECTRIC CONSTANT IN SEMICONDUCTOR DEVICES	7405147	2008-07-29	10/707996	2004-01-30	GLOBALFOUNDRIES Inc.	Granted
STRESSED FIELD EFFECT TRANSISTORS ON HYBRID ORIENTATION SUBSTRATE	7405436	2008-07-29	11/029797	2005-01-05	GLOBALFOUNDRIES Inc.	Granted
PISTON RESET APPARATUS FOR A MULTICHIP MODULE AND METHOD FOR RESETTING PISTONS IN THE SAME	7405940	2008-07-29	11/739773	2007-04-25	GLOBALFOUNDRIES Inc.	Granted
METHODS TO IMPROVE THE OPERATION OF SOI DEVICES	7405982	2008-07-29	09/588351	2000-06-07	GLOBALFOUNDRIES Inc.	Granted
REDUCING POWER CONSUMPTION IN SIGNAL DETECTION	7406135	2008-07-29	10/873672	2004-06-22	GLOBALFOUNDRIES Inc.	Granted
SELF HEATING MONITOR FOR SIGE AND SOI CMOS DEVICES	7406397	2008-07-29	10/711224	2004-09-02	GLOBALFOUNDRIES Inc.	Granted
MANUFACTURABLE COPPER METAL CAP PROCESS FOR COPPER INTERCONNECTS	7407605	2008-08-05	11/751788	2007-05-22	GLOBALFOUNDRIES Inc.	Granted
MULTI-LEVEL POWER SUPPLY SYSTEM FOR A COMPLEMENTARY METAL OXIDE SEMICONDUCTOR CIRCUIT	7408269	2008-08-05	10/867094	2004-06-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MEASURING DEVICE MISMATCHES	7408372	2008-08-05	11/422913	2006-06-08	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR IMPROVED SRAM DEVICE PERFORMANCE THROUGH DOUBLE GATE TOPOLOGY	7408800	2008-08-05	11/743686	2007-05-03	GLOBALFOUNDRIES Inc.	Granted
HIGH SPEED MULTI-MODE RECEIVER WITH ADAPTIVE RECEIVER EQUALIZATION AND CONTROLLABLE TRANSMITTER PRE-DISTORTION	7409019	2008-08-05	10/711713	2004-09-30	GLOBALFOUNDRIES Inc.	Granted

PULSED RING OSCILLATOR CIRCUIT FOR STORAGE CELL READ TIMING EVALUATION	7409305	2008-08-05	11/682542	2007-03-06	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR FACILITATING COVERAGE FEEDBACK TESTCASE GENERATION REPRODUCIBILITY	7409592	2008-08-05	10/867302	2004-06-14	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCED N+ DIFFUSION IN STRAINED Si ON SIGE SUBSTRATE	7410846	2008-08-12	10/605108	2003-09-09	GLOBALFOUNDRIES Inc.	Granted
CONTOUR STRUCTURES TO HIGHLIGHT INSPECTION REGIONS	7411135	2008-08-12	10/711885	2004-10-12	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE FUSENON-VOLATILE MEMORY STRUCTURES USING EXTERNALLY HEATED PHASE CHANGE MATERIAL	7411818	2008-08-12	11/672110	2007-02-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR USING LOW POWER TRAINING	7411998	2008-08-12	09/488351	2000-01-20	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IMPLEMENTING DOMINO SRAM LEAKAGE CURRENT REDUCTION	7414878	2008-08-19	11/744288	2007-05-04	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR SEARCH AND ANALYSIS OF SYSTEMATIC DEFECTS IN INTEGRATED CIRCUITS	7415695	2008-08-19	11/748575	2007-05-15	GLOBALFOUNDRIES Inc.	Granted
PELLICLE FILM OPTIMIZED FOR IMMERSION LITHOGRAPHY SYSTEMS WITH NA>1	7416820	2008-08-26	11/669175	2007-01-31	GLOBALFOUNDRIES Inc.	Granted
NEGATIVE THERMAL EXPANSION SYSTEM (NTES) DEVICE FOR TCE COMPENSATION IN ELASTOMER COMPOSITES AND CONDUCTIVE ELASTOMER INTERCONNECTS IN MICROELECTRONIC PACKAGING	7417315	2008-08-26	10/310532	2002-12-05	GLOBALFOUNDRIES Inc.	Granted
SINGLE-ENDED MEMORY CELL WITH IMPROVED READ STABILITY AND MEMORY USING THE CELL	7420836	2008-09-02	11/674292	2007-02-13	GLOBALFOUNDRIES Inc.	Granted
COUPLING ELEMENT ALIGNMENT USING WAVEGUIDE FIDUCIALS	7421160	2008-09-02	11/733406	2007-04-10	GLOBALFOUNDRIES Inc.	Granted
MASK CD MEASUREMENT MONITOR OUTSIDE OF THE PELLICLE AREA	7422828	2008-09-09	10/774099	2004-02-06	GLOBALFOUNDRIES Inc.	Granted
OPTICAL PROXIMITY CORRECTION (OPC) TECHNIQUE TO COMPENSATE FOR FLARE	7422829	2008-09-09	10/859276	2004-06-02	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD OF MAKING SEMICONDUCTOR DEVICE COMPRISING MULTIPLE STACKED HYBRID ORIENTATION LAYERS	7422956	2008-09-09	11/006747	2004-12-08	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING ISOLATION REGIONS FOR INTEGRATED CIRCUITS	7422961	2008-09-09	10/389456	2003-03-14	GLOBALFOUNDRIES Inc.	Granted
ENHANCEMENT OF MAGNETIC MEDIA RECORDING PERFORMANCE USING ION IRRADIATION TO TAILOR EXCHANGE COUPLING	7423553	2008-09-16	10/768347	2004-01-29	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF SELF-ALIGNED BIPOLAR TRANSISTOR HAVING TAPERED COLLECTOR	7425754	2008-09-16	10/708340	2004-02-25	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR SENSOR REPLICATION FOR ENSEMBLE AVERAGING IN MICRO-ELECTROMECHANICAL SYSTEMS (MEMS)	7426416	2008-09-16	10/968181	2004-10-20	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND PROGRAM PRODUCT FOR PROVIDING A CONFIGURATION SPECIFICATION LANGUAGE SUPPORTING INCOMPLETELY SPECIFIED CONFIGURATION ENTITIES	7426461	2008-09-16	10/880853	2004-06-30	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM, AND STORAGE MEDIUM FOR PROVIDING CONTINUOUS COMMUNICATION BETWEEN PROCESS EQUIPMENT AND AN AUTOMATED MATERIAL HANDLING SYSTEM	7426555	2008-09-16	10/709867	2004-06-02	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SEQUENTIAL COORDINATION OF EXTERNAL DATABASE APPLICATION EVENTS WITH ASYNCHRONOUS INTERNAL DATABASE EVENTS	7426559	2008-09-16	10/143317	2002-05-09	GLOBALFOUNDRIES Inc.	Granted

SYSTEM AND METHOD FOR HANDLING DEVICE ACCESSES TO A MEMORY PROVIDING INCREASED MEMORY ACCESS SECURITY	7426644	2008-09-16	10/011151	2001-12-05	GLOBALFOUNDRIES Inc.	Granted
DESIGN VERIFICATION OF HIGHLY OPTIMIZED SYNCHRONOUS PIPELINES VIA RANDOM SIMULATION DRIVEN BY CRITICAL RESOURCE SCHEDULING	7426704	2008-09-16	10/842085	2004-05-10	GLOBALFOUNDRIES Inc.	Granted
LAYER TRANSFER OF LOW DEFECT SIGE USING AN ETCH-BACK PROCESS	7427773	2008-09-23	10/948421	2004-09-23	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR STATISTICAL TIMING ANALYSIS OF DIGITAL CIRCUITS	7428716	2008-09-23	10/666553	2003-09-19	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD OF TRANSFER PRINTING AN ORGANIC SEMICONDUCTOR	7429552	2008-09-30	10/959938	2004-10-06	GLOBALFOUNDRIES Inc.	Granted
WIRELESS INTERFACE	7430223	2008-09-30	10/231764	2002-08-28	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING MIXED RARE EARTH OXIDE FORMED ON SILICON	7432550	2008-10-07	10/998840	2004-11-30	GLOBALFOUNDRIES Inc.	Granted
FINNET DEVICE WITH MULTIPLE CHANNELS	7432557	2008-10-07	10/755344	2004-01-13	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR FORCING AN SRAM INTO A KNOWN STATE DURING POWER-UP	7433224	2008-10-07	09/477099	2000-01-04	GLOBALFOUNDRIES Inc.	Granted
COOLING OF SUBSTRATE USING INTERPOSER CHANNELS	7434308	2008-10-14	10/933051	2004-09-02	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING DUAL DAMASCENE STRUCTURES USING PHOTO-IMPRINT LITHOGRAPHY, METHODS FOR FABRICATING IMPRINT LITHOGRAPHY MOLDS FOR DUAL DAMASCENE STRUCTURES, MATERIALS FOR IMPRINTABLE DIELECTRICS AND EQUIPMENT FOR PHOTO-IMPRINT LITHOGRAPHY USED IN DUAL DAMASCENE PATTERNING	7435074	2008-10-14	10/799282	2004-03-13	GLOBALFOUNDRIES Inc.	Granted
INTEGRATION SCHEMES FOR FABRICATING POLYSILICON GATE MOSFET AND HIGH-K DIELECTRIC METAL GATE MOSFET	7435652	2008-10-14	11/694104	2007-03-30	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING A WRAP-AROUND GATE FIELD EFFECT TRANSISTOR	7435653	2008-10-14	11/735075	2007-04-13	GLOBALFOUNDRIES Inc.	Granted
APPARATUS, SYSTEM, AND METHOD FOR MANAGING ERRORS IN PREFETCHED DATA	7437593	2008-10-14	10/619816	2003-07-14	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR PROBLEM DETERMINATION USING DEPENDENCY GRAPHS AND RUN-TIME BEHAVIOR MODELS	7437611	2008-10-14	10/968917	2004-10-21	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC CIRCUIT FOR MEASUREMENT OF TRANSISTOR VARIABILITY AND THE LIKE	7439755	2008-10-21	11/669250	2007-01-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DETERMINING SURFACE CHARACTERISTICS BY USING SPW TECHNIQUES WITH ACOUSTIC EXCITATION AND REAL-TIME DIGITIZING	7441446	2008-10-28	11/420325	2008-05-25	GLOBALFOUNDRIES Inc.	Granted
USING ELECTRICALLY PROGRAMMABLE FUSES TO HIDE ARCHITECTURE, PREVENT REVERSE ENGINEERING, AND MAKE A DEVICE INOPERABLE	7442583	2008-10-28	11/016219	2004-12-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF APPLYING STRESSES TO PRET AND NET TRANSISTOR CHANNELS FOR IMPROVED PERFORMANCE	7442611	2008-10-28	11/657154	2007-01-24	GLOBALFOUNDRIES Inc.	Granted
PREVENTATIVE MAINTENANCE SCHEDULING INCORPORATING FACILITY AND LOOP OPTIMIZATION	7444200	2008-10-28	11/756710	2007-06-01	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHODS FOR CONSTRUCTING ANTENNAS USING VIAS AS RADIATING ELEMENTS FORMED IN A SUBSTRATE	7444734	2008-11-04	10/731520	2003-12-09	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING OVERLAP CAPACITANCE IN FIELD EFFECT TRANSISTORS	7446004	2008-11-04	11/741034	2007-04-27	GLOBALFOUNDRIES Inc.	Granted

METHOD OF FORMING VERTICAL FET WITH NANOWIRE CHANNELS AND A SLICED BOTTOM CONTACT	7446025	2008-11-04	11/742180	2007-04-30	GLOBALFOUNDRIES Inc.	Granted
DEVICE HAVING DUAL ETCH STOP LINER AND REFORMED SILICIDE LAYER AND RELATED METHODS	7446062	2008-11-04	10/905027	2004-12-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FILLING VIAS	7449067	2008-11-11	10/700327	2003-11-03	GLOBALFOUNDRIES Inc.	Granted
FEEDBACK CONTROL OF IMPRINT MASK FEATURE PROFILE USING SCATTEROMETRY AND SPACER ETCHBACK	7449348	2008-11-11	10/858605	2004-06-02	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED METAL TO FORM CONTACTS TO GE CONTAINING SUBSTRATES AND STRUCTURE FORMED THEREBY	7449782	2008-11-11	10/838378	2004-05-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CONSTRUCTING SEGMENTATION-BASED PREDICTIVE MODELS	7451065	2008-11-11	10/096474	2002-03-11	GLOBALFOUNDRIES Inc.	Granted
SECURE EXECUTION MODE EXCEPTIONS	7451324	2008-11-11	10/161500	2002-05-31	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR MAKING FINFET DEVICE WITH BODY CONTACT AND BURIED OXIDE JUNCTION ISOLATION	7452758	2008-11-18	11/686013	2007-03-14	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PLANAR DOUBLE-GATE TRANSISTOR STRUCTURE	7453123	2008-11-18	11/676030	2007-02-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING ETCH SELECTIVITY	7456110	2008-11-25	10/996034	2004-11-23	GLOBALFOUNDRIES Inc.	Granted
FIN-TYPE ANTIFUSE	7456426	2008-11-25	10/711845	2004-10-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE HAVING RECESS WITH CONDUCTIVE METAL	7456501	2008-11-25	09/611955	2000-07-06	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC MEMORY ALLOCATION BETWEEN INBOUND AND OUTBOUND BUFFERS IN A PROTOCOL HANDLER	7457895	2008-11-25	11/680371	2007-02-28	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR CHIP HEAT TRANSFER DEVICE	7458413	2008-12-02	10/988219	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING PIXEL SENSOR CELL HAVING REDUCED PINNING LAYER BARRIER POTENTIAL	7459360	2008-12-02	11/681454	2007-03-02	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION PROCESS AND STRUCTURE WITH MINIMIZED STRAINED SILICON CONSUMPTION	7462549	2008-12-09	10/755602	2004-01-12	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF PHASE CHANGE MEMORY ELEMENT WITH PHASE-CHANGE ELECTRODES USING CONORMAL DEPOSITION	7462858	2008-12-09	11/668224	2007-01-29	GLOBALFOUNDRIES Inc.	Granted
SCHEDULING TOOLS WITH QUEUE TIME CONSTRAINTS	7463939	2008-12-09	10/991808	2004-11-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR A CONFIGURABLE LOW POWER HIGH FAN-IN MULTIPLEXER	7466164	2008-12-16	11/11759426	2007-06-07	GLOBALFOUNDRIES Inc.	Granted
VOLTAGE CONTROLLED STATIC RANDOM ACCESS MEMORY	7466582	2008-12-16	11/763687	2007-06-15	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY CONDUCTING ADHESIVES FOR VIA FILL APPLICATIONS	7467742	2008-12-23	09/512400	2000-02-24	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR MANAGING ERROR DEPENDENCIES	7469375	2008-12-23	11/037694	2005-01-18	GLOBALFOUNDRIES Inc.	Granted
STATIC DETECTION OF A DATABASE CONDITION FOR MULTITHREADED OBJECT-ORIENTED APPLICATIONS	7469403	2008-12-23	10/032567	2002-01-02	GLOBALFOUNDRIES Inc.	Granted
PORTABLE COMPUTER SYSTEM WITH THERMAL ENHANCEMENTS AND MULTIPLE POWER MODES OF OPERATION	7472215	2008-12-30	09/282141	1999-03-31	GLOBALFOUNDRIES Inc.	Granted
RECONFIGURABLE PROCESSING NODE INCLUDING FIRST AND SECOND PROCESSOR CORES	7472224	2008-12-30	10/956561	2004-10-01	GLOBALFOUNDRIES Inc.	Granted
AUTONOMOUS SELF-MONITORING AND CORRECTIVE OPERATION OF AN INTEGRATED CIRCUIT	7472320	2008-12-30	10/708316	2004-02-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING A FILM FORMATION PROCESS WITH MULTIPLE OBJECTIVES	7473566	2009-01-06	10/770682	2004-02-03	GLOBALFOUNDRIES Inc.	Granted
HIGH-QUALITY SGOI BY OXIDATION NEAR THE ALLOY MELTING TEMPERATURE	7473587	2009-01-06	11/029921	2005-01-05	GLOBALFOUNDRIES Inc.	Granted

CIRCULAR GRATING RESONATOR WITH INTEGRATED ELECTRO-OPTICAL MODULATION	7474825	2009-01-06	12/146601	2008-06-26	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PROVIDING AUTOMATIC ADAPTATION TO FREQUENCY OFFSETS IN HIGH SPEED SERIAL LINKS	7477713	2009-01-13	10/791175	2004-03-02	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PERFORMING A COMMAND CANCEL FUNCTION IN A DRAM	7480774	2009-01-20	10/249331	2003-04-01	GLOBALFOUNDRIES Inc.	Granted
APPARATUS, SYSTEM, AND METHOD FOR FACILITATING PORT TESTING OF A MULTI-PORT HOST ADAPTER	7480840	2009-01-20	10/963475	2004-10-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING FLOATING BODY EFFECTS IN SOI SEMICONDUCTOR DEVICE WITHOUT DEGRADING MOBILITY	7482252	2009-01-27	10/740546	2003-12-22	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR EXTENDING LIFETIME RELIABILITY OF DIGITAL LOGIC DEVICES THROUGH REVERSAL OF AGING MECHANISMS	7486107	2009-02-03	12/123487	2008-05-20	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PREPARING 2-DIMENSIONAL SEMICONDUCTOR DEVICES FOR INTEGRATION IN A THIRD DIMENSION	7488630	2009-02-10	11/682638	2007-03-06	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FORMING A BURIED PLATE	7488642	2009-02-10	11/715751	2007-03-08	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING CRACK TRAPPING AND ARREST IN THIN FILM STRUCTURES	7491578	2009-02-17	12/060937	2008-04-02	GLOBALFOUNDRIES Inc.	Granted
CONTROL OF BURIED OXIDE IN SIMOX	7492008	2009-02-17	10/896812	2004-07-22	GLOBALFOUNDRIES Inc.	Granted
LOW POWER TO ANALOG TO DIGITAL CONVERTER WITH SMALL INPUT CAPACITANCE	7492301	2009-02-17	12/181506	2008-07-29	GLOBALFOUNDRIES Inc.	Granted
METHODS INVOLVING RESETTLE SPIN-TORQUE MAGNETIC RANDOM ACCESS MEMORY	7492631	2009-02-17	12/118496	2008-05-09	GLOBALFOUNDRIES Inc.	Granted
INPUT/OUTPUT PERMISSION BITMAPS FOR COMPARTMENTALIZED SECURITY	7493498	2009-02-17	10/107784	2002-03-27	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR HAVING A DOPED GATE ELECTRODE WITH REDUCED GATE DEPLETION AND METHOD OF FORMING THE TRANSISTOR	7494872	2009-02-24	10/790852	2004-03-02	GLOBALFOUNDRIES Inc.	Granted
DISPOSABLE SPACER PROCESS FOR FIELD EFFECT TRANSISTOR FABRICATION	7494885	2009-02-24	10/818155	2004-04-05	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR RECONSTRUCTING SYNTHETIC NETWORKS USING PAIR-WISE CORRELATION ANALYSIS	7496550	2009-02-24	10/699283	2003-10-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONTROLLING OPERATION OF A SECURE EXECUTION MODE-CAPABLE PROCESSOR IN SYSTEM MANAGEMENT MODE	7496966	2009-02-24	10/419120	2003-04-18	GLOBALFOUNDRIES Inc.	Granted
PLATING SEED LAYER INCLUDING AN OXYGEN/NITROGEN TRANSITION REGION FOR BARRIER ENHANCEMENT	7498254	2009-03-03	11/682581	2007-03-06	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE HEAVY-ION SENSING DEVICE FOR ACCELERATED DRAM SOFT ERROR DETECTION	7499308	2009-03-03	11/689096	2007-03-21	GLOBALFOUNDRIES Inc.	Granted
NON-DESTRUCTIVE EVALUATION OF MICROSTRUCTURE AND INTERFACE ROUGHNESS OF ELECTRICALLY CONDUCTING LINES IN SEMICONDUCTOR INTEGRATED CIRCUITS IN DEEP SUB-MICRON REGIME	7500208	2009-03-03	11/673369	2007-02-09	GLOBALFOUNDRIES Inc.	Granted
NETWORK INTERFACE WITH SECURITY ASSOCIATION DATA PREFETCH FOR HIGH SPEED OFFLOADED SECURITY PROCESSING	7502474	2009-03-10	10/839872	2004-05-06	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR MEMORY DEVICES AND METHODS FOR FABRICATING THE SAME	7504286	2009-03-17	11/692313	2007-03-28	GLOBALFOUNDRIES Inc.	Granted
FOULDED NODE TRENCH CAPACITOR	7504299	2009-03-17	10/597432	2004-01-30	GLOBALFOUNDRIES Inc.	Granted
DISLOCATION FREE STRESSED CHANNELS IN BULK SILICON AND SOI CMOS DEVICES BY GATE STRESS ENGINEERING	7504693	2009-03-17	10/709239	2004-04-23	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS INVOLVING SPIN-TRANSFER MAGNETIC RANDOM ACCESS MEMORY	7505308	2009-03-17	12/118441	2008-05-09	GLOBALFOUNDRIES Inc.	Granted

ON-THE-FLY ENCRYPTION/DECRYPTION FOR WLAN COMMUNICATIONS	7505598	2009-03-17	10/899199	2004-07-26	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC STATIC PHASE ERROR AND JITTER COMPENSATION IN PLL CIRCUITS	7511543	2009-03-31	11/672737	2007-02-08	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR ASSESSING HEALTH OF MEMORY UTILIZATION OF A PROGRAM	7512522	2009-03-31	11/680003	2007-02-28	GLOBALFOUNDRIES Inc.	Granted
RECEIVE PSEC IN-LINE PROCESSING OF MUTABLE FIELDS FOR AH ALGORITHM	7512787	2009-03-31	10/771019	2004-02-03	GLOBALFOUNDRIES Inc.	Granted
CHIP-TO-WAFER INTEGRATION TECHNOLOGY FOR THREE-DIMENSIONAL CHIP STACKING	7514290	2009-04-07	12/108512	2008-04-24	GLOBALFOUNDRIES Inc.	Granted
SILICON ON INSULATOR DEVICES HAVING BODY-TIED-TO-SOURCE AND METHODS OF MAKING	7518191	2009-04-14	12/173280	2008-07-15	GLOBALFOUNDRIES Inc.	Granted
ONE MASK HYPERABRUPT JUNCTION VARACTOR USING A COMPENSATED CATHODE CONTACT	7518215	2009-04-14	10/905486	2005-01-06	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT IN A CHANNEL ADAPTER FOR TRANSMITTING DATA ACCORDING TO LINK WIDTHS SELECTED BASED ON RECEIVED LINK MANAGEMENT PACKETS	7519089	2009-04-14	10/083149	2002-02-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF USE OF EPOXY-CONTAINING CYCLOALIPHATIC ACRYLIC POLYMERS AS ORIENTATION CONTROL LAYERS FOR BLOCK COPOLYMER THIN FILMS	7521094	2009-04-21	12/013957	2008-01-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING POLYMER FEATURES BY DIRECTED SELF-ASSEMBLY OF BLOCK COPOLYMERS	7523157	2009-04-21	10/670823	2003-09-25	GLOBALFOUNDRIES Inc.	Granted
MANAGING A PLURALITY OF PROCESSORS AS DEVICES	7525156	2009-04-28	11/760477	2007-06-08	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION FILL BY LIQUID PHASE DEPOSITION OF SiO ₂	7525161	2009-04-28	11/669902	2007-01-31	GLOBALFOUNDRIES Inc.	Granted
STRAINED MOS DEVICES USING SOURCE/RAIN EPITAXY	7528035	2009-05-05	11/688562	2007-03-20	GLOBALFOUNDRIES Inc.	Granted
VERTICAL TRENCH MEMORY CELL WITH INSULATING RING SYSTEM FOR EXPANDING A WINDOW OF VALID DATA	7529562	2009-05-05	12/098038	2008-04-04	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE TO CREATE MULTIPLE DEVICE WIDTHS IN FINFET TECHNOLOGY IN BOTH BULK AND SOI	7534669	2009-05-19	11/671795	2007-02-06	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR TRACKING CONTAINERS USING A LOW-RATE WIRELESS PERSONAL AREA NETWORK SYSTEM	7541913	2009-06-02	12/103775	2008-04-16	GLOBALFOUNDRIES Inc.	Granted
ISSD-COMPATIBLE EDGE-TRIGGERED SHIFT REGISTER LATCH	7543203	2009-06-02	10/708382	2004-02-27	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED THERMOELECTRIC COOLING DEVICES AND METHODS FOR FABRICATING SAME	7544883	2009-06-09	10/988015	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DIVIDING A HIGH-FREQUENCY SIGNAL	7545191	2009-06-09	12/103129	2008-04-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING A SEMICONDUCTOR DEVICE COMPRISING ISOLATION TRENCHES INDUCING DIFFERENT TYPES OF STRAIN	7547610	2009-06-16	11/734320	2007-04-12	GLOBALFOUNDRIES Inc.	Granted
METHODS INVOLVING SILICON-ON-INSULATOR TRENCH MEMORY WITH IMPLANTED PLATE	7550359	2009-06-23	12/116626	2008-05-07	GLOBALFOUNDRIES Inc.	Granted
UNIDIRECTIONAL RACETRACK MEMORY DEVICE	7551469	2009-06-23	12/248779	2009-01-05	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND COMPUTER PROGRAM FOR VERIFYING PERFORMANCE OF AN ARRAY BY SIMULATING OPERATION OF EDGE CELLS IN A FULL ARRAY MODEL	7552413	2009-06-23	12/166811	2008-07-02	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR COMPRISING A STRESSED CHANNEL	7556996	2009-07-07	11/736622	2007-04-18	GLOBALFOUNDRIES Inc.	Granted
REGION AND METHOD OF FORMING THE SAME	7557035	2009-07-07	10/849847	2004-05-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING SEMICONDUCTOR DEVICES BY MICROWAVE CURING OF LOW-K DIELECTRIC FILMS	7558687	2009-07-07	10/932999	2004-09-02	GLOBALFOUNDRIES Inc.	Granted

METHOD OF POSITIONING PATTERNS FROM BLOCK COPOLYMER SELF-ASSEMBLY	7560141	2009-07-14	12/268562	2008-11-11	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT FAILURE PREDICTION	7560945	2009-07-14	11/671599	2007-02-06	GLOBALFOUNDRIES Inc.	Granted
DEEP SLEEP MODE FOR WLAN COMMUNICATION SYSTEMS	7561541	2009-07-14	10/925112	2004-08-24	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR TESTING A MEMORY	7562267	2009-07-14	11/023677	2004-12-28	GLOBALFOUNDRIES Inc.	Granted
CHIP AND WAFER INTEGRATION PROCESS USING VERTICAL CONNECTIONS	7564118	2009-07-21	12/114145	2008-05-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF EXHAUSTIVELY TESTING AN EMBEDDED ROM USING GENERATED ATPG TEST PATTERNS	7568134	2009-07-28	10/770170	2004-02-02	GLOBALFOUNDRIES Inc.	Granted
INTRUSION DETECTION IN DATA PROCESSING SYSTEMS	7568228	2009-07-28	10/150783	2002-05-17	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF TRANSISTOR HAVING A STRAINED CHANNEL REGION INCLUDING A PERFORMANCE ENHANCING MATERIAL COMPOSITION UTILIZING A MASK PATTERN	7569437	2009-08-04	11/688946	2007-03-21	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING LOW-K DIELECTRIC LAYERS CONTAINING CARBON NANOSTRUCTURES	7579272	2009-08-25	11/670778	2007-02-02	GLOBALFOUNDRIES Inc.	Granted
FOUR-TERMINAL PROGRAMMABLE VIA-CONTAINING STRUCTURE AND METHOD OF FABRICATING SAME	7579616	2009-08-25	11/733523	2007-04-10	GLOBALFOUNDRIES Inc.	Granted
SERVO SYSTEM FOR A TWO-DIMENSIONAL MICRO-ELECTROMECHANICAL SYSTEM (MEMS)-BASED SCANNER AND METHOD THEREFOR	7583044	2009-09-01	12/141121	2008-06-18	GLOBALFOUNDRIES Inc.	Granted
PHYSICAL DESIGN CHARACTERIZATION SYSTEM	7584077	2009-09-01	10/710113	2004-06-18	GLOBALFOUNDRIES Inc.	Granted
HALO-FIRST ULTRA-THIN SOI FET FOR SUPERIOR SHORT CHANNEL CONTROL	7595247	2009-09-29	11/753862	2007-05-25	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURE WITH DIELECTRIC AIR GAPS	7595554	2009-09-29	12/125971	2008-05-23	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP AC SELF-TEST CONTROLLER	7596734	2009-09-29	12/185172	2008-08-04	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A MAGNETIC SHIFT REGISTER	7598097	2009-10-06	12/114636	2008-05-02	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PROCESS FOR NANOTUBENANOWIRE FETS	7598516	2009-10-06	11/031168	2005-01-07	GLOBALFOUNDRIES Inc.	Granted
GENERATING CONSTRAINT PRESERVING TESTCASES IN THE PRESENCE OF DEAD-END CONSTRAINTS	7600209	2009-10-06	11/673298	2007-02-09	GLOBALFOUNDRIES Inc.	Granted
PARTIALLY DEPLETED SOI FIELD EFFECT TRANSISTOR HAVING A METALLIZED SOURCE SIDE HALO REGION	7601569	2009-10-13	11/761568	2007-06-12	GLOBALFOUNDRIES Inc.	Granted
TWO STEP OPTICAL PLANARIZING LAYER ETCH	7601641	2009-10-13	12/059888	2008-03-31	GLOBALFOUNDRIES Inc.	Granted
TOP-OXIDE-EARLY PROCESS AND ARRAY TOP OXIDE PLANARIZATION	7601646	2009-10-13	10/710566	2004-07-21	GLOBALFOUNDRIES Inc.	Granted
SPIN-CURRENT SWITCHED MAGNETIC MEMORY ELEMENT SUITABLE FOR CIRCUIT INTEGRATION AND METHOD OF FABRICATING THE MEMORY ELEMENT	7602000	2009-10-13	10/715376	2003-11-19	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR STRAINED FINFET DEVICES	7602021	2009-10-13	11/701377	2007-02-02	GLOBALFOUNDRIES Inc.	Granted
SWITCH ARRAY CIRCUIT AND SYSTEM USING PROGRAMMABLE VIA STRUCTURES WITH PHASE CHANGE MATERIALS	7608851	2009-10-27	11/745811	2007-05-08	GLOBALFOUNDRIES Inc.	Granted
METAL GATES WITH LOW CHARGE TRAPPING AND ENHANCED DIELECTRIC RELIABILITY CHARACTERISTICS FOR HIGH K GATE DIELECTRIC STACKS	7611979	2009-11-03	11/673901	2007-02-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DEFEATING REVERSE ENGINEERING OF INTEGRATED CIRCUITS BY OPTICAL MEANS	7612382	2009-11-03	12/140714	2008-06-17	GLOBALFOUNDRIES Inc.	Granted
BINARY CONTROLLED PHASE SELECTOR WITH OUTPUT DUTY CYCLE CORRECTION	7613266	2009-11-03	11/033641	2005-01-13	GLOBALFOUNDRIES Inc.	Granted
MIXED ELECTRICAL AND OPTICAL I/O INTERPOSER FOR FACILITATING CHIP TO BOARD COMMUNICATIONS BY DUAL SIGNAL TYPES	7613368	2009-11-03	10/988220	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
WEB BASED SEMICONDUCTOR ORDERING ARCHITECTURE	7613534	2009-11-03	10/316815	2002-12-11	GLOBALFOUNDRIES Inc.	Granted

ARRANGEMENT FOR REDUCING APPLICATION EXECUTION BASED ON A DETERMINED LACK OF FLOW CONTROL CREDITS FOR A NETWORK CHANNEL	7613821	2009-11-03	09/905080	2001-07-16	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING SELF-ALIGNED BIPOLAR TRANSISTOR HAVING TAPERED COLLECTOR	7615457	2009-11-10	12/220521	2008-07-25	GLOBALFOUNDRIES Inc.	Granted
PULSED RING OSCILLATOR CIRCUIT FOR STORAGE CELL READ TIMING EVALUATION	7620510	2009-11-17	12/128526	2008-05-28	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING IMPROVED HALO STRUCTURES AND A METHOD OF FORMING THE HALO STRUCTURES OF A SEMICONDUCTOR DEVICE	7625802	2009-12-01	10/400226	2003-03-27	GLOBALFOUNDRIES Inc.	Granted
CONTROL OF CARBON NANOTUBE DIAMETER USING CVD OR PECVD GROWTH	7628974	2009-12-08	10/689675	2003-10-22	GLOBALFOUNDRIES Inc.	Granted
CIRCUITS AND METHODS FOR IMPLEMENTING TRANSFORMER-COUPLED AMPLIFIERS AT MILLIMETER WAVE FREQUENCIES	7629852	2009-12-08	12/191666	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
MEMORY CELLS, MEMORY DEVICES AND INTEGRATED CIRCUITS INCORPORATING THE SAME	7630235	2009-12-08	11/692627	2007-03-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SECURING PORTIONS OF MEMORY ELEMENTS IN A SEMICONDUCTOR DEVICE	7631160	2009-12-08	09/825905	2001-04-04	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING STEPPED RECESSES FOR EMBEDDED STRAIN WEAR GAUGE AND METHOD OF USE	7632727	2009-12-15	12/119384	2008-05-12	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR STRUCTURE WITH MINIMIZED PARASITICS AND METHOD OF FABRICATING THE SAME	7640788	2010-01-05	12/364427	2009-02-02	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR STRUCTURES FOR THROUGH VIA IN SILICON CARRIERS	7642569	2010-01-05	12/366425	2009-02-05	GLOBALFOUNDRIES Inc.	Granted
MEMORY DEVICE WITH PROGRAMMABLE RECEIVERS TO IMPROVE PERFORMANCE	7645701	2010-01-12	11/751105	2007-05-21	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING MIXED RARE EARTH OXIDE FORMED ON SILICON	7646649	2010-01-12	10/707053	2003-11-18	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION PROCESS	7648864	2010-01-19	12/197079	2008-08-22	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MINIMIZING SAMPLE DAMAGE DURING THE ABLATION OF MATERIAL USING A FOCUSED ULTRASHORT PULSED LASER BEAM	7648886	2010-01-19	10/341863	2003-01-14	GLOBALFOUNDRIES Inc.	Granted
DISCRETE PLACEMENT OF RADIATION SOURCES ON INTEGRATED CIRCUIT DEVICES	7649153	2010-01-19	09/933461	2001-08-20	GLOBALFOUNDRIES Inc.	Granted
OVER TEMPERATURE DETECTION APPARATUS AND METHOD THEREOF	7649257	2010-01-19	12/051881	2008-03-20	GLOBALFOUNDRIES Inc.	Granted
METHOD TO GATE OFF PULS IN A DEEP POWER SAVING STATE WITHOUT SEPARATE CLOCK DISTRIBUTION FOR POWER MANAGEMENT LOGIC	7650550	2010-01-19	11/679242	2007-02-27	GLOBALFOUNDRIES Inc.	Granted
STORAGE DEVICE ENCLOSURE	7656237	2010-02-02	11/002559	2004-12-02	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR INTEGRATED CIRCUIT DEVICE DESIGN AND MANUFACTURE USING OPTICAL RULE CHECKING TO SCREEN RESOLUTION ENHANCEMENT TECHNIQUES	7656656	2010-02-02	12/261981	2008-10-30	GLOBALFOUNDRIES Inc.	Granted
SECTIONAL FIELD EFFECT DEVICES AND METHOD OF FABRICATION	7657864	2010-02-02	11/741845	2007-04-30	GLOBALFOUNDRIES Inc.	Granted
INTEGRATION APPROACH TO FORM THE CORE FLOATING GATE FOR FLASH MEMORY USING AN AMORPHOUS CARBON HARD MASK AND ARI LITHOGRAPHY	7659153	2010-02-09	12/142849	2008-06-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR IMPLEMENTING SELF-REFERENCING READ OPERATION FOR PGRAM DEVICES	7659166	2010-02-09	11/733935	2007-04-11	GLOBALFOUNDRIES Inc.	Granted
AIR GAP UNDER ON-CHIP PASSIVE DEVICE	7660152	2010-02-09	12/112454	2008-04-30	GLOBALFOUNDRIES Inc.	Granted
	7662722	2010-02-16	11/626548	2007-01-24	GLOBALFOUNDRIES Inc.	Granted

BUV DEBRIS MITIGATION FILTER AND METHOD FOR FABRICATING SEMICONDUCTOR DIES USING SAME	7663127	2010-02-16	11/717518	2007-03-13	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR DETERMINING AN OVERLAY ACCURACY	7665559	2010-02-23	12/101439	2008-04-11	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A METAL GATE CMOS WITH AT LEAST A SINGLE GATE METAL AND DUAL GATE DIELECTRICS	7666732	2010-02-23	12/210703	2008-09-15	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING DOPED SILICON CARBON LINER LAYER AND METHOD FOR FABRICATION THEREOF	7667263	2010-02-23	11/672109	2007-02-07	GLOBALFOUNDRIES Inc.	Granted
PUMP STRUCTURES INTEGRAL TO A FLUID FILLED HEAT TRANSFER APPARATUS	7667969	2010-02-23	11/686972	2007-03-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FILTERING MEMORY WRITE SNOOP ACTIVITY IN A DISTRIBUTED SHARED MEMORY COMPUTER	7669018	2010-02-23	12/118318	2008-05-12	GLOBALFOUNDRIES Inc.	Granted
CONDUCTIVE BONDING MATERIAL FILL TECHNIQUES	7669748	2010-03-02	12/173346	2008-07-15	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING MOS DEVICES HAVING EPITAXIALLY GROWN STRESS-INDUCING SOURCE AND DRAIN REGIONS	7670934	2010-03-02	12/359764	2009-01-26	GLOBALFOUNDRIES Inc.	Granted
SERIAL LINK OUTPUT STAGE DIFFERENTIAL AMPLIFIER AND METHOD	7671678	2010-03-02	12/117098	2008-05-08	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND PROGRAM FOR TRANSMITTING INPUT/OUTPUT REQUESTS FROM A FIRST CONTROLLER TO A SECOND CONTROLLER	7673173	2010-03-02	12/212577	2008-09-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A DUAL GATED FINFET GAIN CELL	7674674	2010-03-09	12/144139	2008-06-23	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING AN ELECTRICAL ANTIPIUSE	7674691	2010-03-09	11/683068	2007-03-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A SEMICONDUCTOR DEVICE	7674705	2010-03-09	12/080829	2008-08-29	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP ELECTRICALLY ALTERABLE RESISTOR	7675342	2010-03-09	12/060889	2008-04-02	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE HEAVY-ION SENSING DEVICE FOR ACCELERATED DRAM SOFT ERROR DETECTION	7675789	2010-03-09	12/134347	2008-06-06	GLOBALFOUNDRIES Inc.	Granted
FOUR LAYER ARCHITECTURE FOR NETWORK DEVICE DRIVERS	7676814	2010-03-09	10/809229	2004-03-25	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING THROUGH WAFER VIAS	7678696	2010-03-16	12/188230	2008-08-08	GLOBALFOUNDRIES Inc.	Granted
HIGH-RATE RLL ENCODING	7679535	2010-03-16	12/185095	2008-08-03	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED NANOPARTICLE FILMS AND METHOD FOR THEIR FORMATION IN SELECTIVE AREAS ON A SURFACE	7682591	2010-03-23	12/197688	2008-08-25	GLOBALFOUNDRIES Inc.	Granted
PRE-EPITAXIAL DISPOSABLE SPACER INTEGRATION SCHEME WITH VERY LOW TEMPERATURE SELECTIVE EPITAXY FOR ENHANCED DEVICE PERFORMANCE	7682915	2010-03-23	12/100644	2008-04-10	GLOBALFOUNDRIES Inc.	Granted
VERTICAL FIN-FET MOS DEVICES	7683428	2010-03-23	10/597288	2004-01-22	GLOBALFOUNDRIES Inc.	Granted
REDIRECT RECOVERY CACHE THAT RECEIVES BRANCH MISREDIRECTION REDIRECTS AND CACHES INSTRUCTIONS TO BE DISPATCHED IN RESPONSE TO THE REDIRECTS	7685410	2010-03-23	11/674566	2007-02-13	GLOBALFOUNDRIES Inc.	Granted
ELECTRONICALLY PROGRAMMABLE ANTIPIUSE AND CIRCUITS MADE THEREWITH	7687883	2010-03-30	11/627723	2007-01-26	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED SPECTRUM ANALYZER CIRCUITS AND METHODS FOR PROVIDING ON-CHIP DIAGNOSTICS	7688058	2010-03-30	12/212247	2008-09-17	GLOBALFOUNDRIES Inc.	Granted
FIN-TYPE ANTIPIUSE	7691684	2010-04-06	12/183169	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
VERTICAL BIPOLAR TRANSISTOR WITH A MAJORITY CARRIER ACCUMULATION LAYER AS A SUBCOLLECTOR FOR SOLBICOMS WITH REDUCED BURIED OXIDE THICKNESS FOR LOW-SUBSTRATE BIAS OPERATION	7691716	2010-04-06	12/144998	2008-06-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DATA DECOMPRESSION IN THE PRESENCE OF MEMORY HIERARCHIES	7692561	2010-04-06	12/175214	2008-07-17	GLOBALFOUNDRIES Inc.	Granted

APPARATUS AND METHOD FOR INTEGRATING NONVOLATILE MEMORY CAPABILITY WITHIN SRAM DEVICES	7692954	2010-04-06	11/684655	2007-03-12	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD OF IMPLEMENTING MICROCODE OPERATIONS AS SUBROUTINES	7694110	2010-04-06	10/614970	2003-07-08	GLOBALFOUNDRIES Inc.	Granted
METHOD OF USING TERNARY COPPER ALLOY TO OBTAIN A LOW RESISTANCE AND LARGE GRAIN SIZE INTERCONNECT	7696092	2010-04-13	09/994395	2001-11-26	GLOBALFOUNDRIES Inc.	Granted
FINEF BODY CONTACT STRUCTURE	7696565	2010-04-13	11/696331	2007-04-04	GLOBALFOUNDRIES Inc.	Granted
RADIO FREQUENCY (RF) INTEGRATED CIRCUIT (IC) PACKAGES WITH INTEGRATED APERTURE-COUPLED PATCH ANTENNAS) IN RING AND/OR ORSET CAVITIES	7696930	2010-04-13	12/102051	2008-04-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR LINEAR ADDRESS BASED PAGE LEVEL SECURITY SCHEME TO DETERMINE CURRENT SECURITY CONTEXT	7698322	2010-04-13	10/044667	2002-01-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR FORMING STRAINED SI FOR CMOS DEVICES	7700951	2010-04-20	12/173642	2008-07-15	GLOBALFOUNDRIES Inc.	Granted
CASCODE DRIVER WITH GATE OXIDE PROTECTION	7701263	2010-04-20	12/059595	2008-03-31	GLOBALFOUNDRIES Inc.	Granted
BRANCH PREDICTOR DIRECTED PERFECTH	7702888	2010-04-20	11/711925	2007-02-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CREATING DIRECT FREE HIGH GE CONTENT (>25%) SIZE-ON-INSULATOR (SGOI) SUBSTRATES USING WAFER BONDING TECHNIQUES	7704815	2010-04-27	12/140600	2008-06-17	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR REMOVING PHOTORESIST FROM SEMICONDUCTOR STRUCTURES HAVING HIGH-K DIELECTRIC MATERIAL LAYERS	7704888	2010-04-27	11/626360	2007-01-23	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE STRAINED SILICON FINFETS DEVICE AND METHOD FOR FORMING SAME	7705345	2010-04-27	10/751916	2004-01-07	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR THE FORMATION OF FULLY SILICIDED METAL GATES	7705405	2010-04-27	10/885462	2004-07-06	GLOBALFOUNDRIES Inc.	Granted
AUTONOMIC CLIENT MIGRATION SYSTEM FOR SERVICE ENGAGEMENTS	7707007	2010-04-27	10/902601	2004-07-30	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR STORAGE AREA NETWORK DESIGN	7707238	2010-04-27	12/135498	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
METAL GATE CMOS WITH AT LEAST A SINGLE GATE METAL AND DUAL GATE DIELECTRICS	7709902	2010-05-04	12/211647	2008-09-16	GLOBALFOUNDRIES Inc.	Granted
THERMAL PILLOW	7709951	2010-05-04	11/687037	2007-03-16	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR PROBLEM DETERMINATION USING DEPENDENCY GRAPHS AND RUN-TIME BEHAVIOR MODELS	7711987	2010-05-04	12/184421	2008-08-01	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES AND METHODS FOR MANUFACTURING OF DISLOCATION FREE STRESSED CHANNELS IN BULK SILICON AND SOI CMOS DEVICES BY GATE STRESS ENGINEERING WITH SIGE AND/OR SIC	7713806	2010-05-11	12/352504	2009-01-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING ISOLATION REGIONS FOR INTEGRATED CIRCUITS	7713834	2010-05-11	12/205361	2008-09-05	GLOBALFOUNDRIES Inc.	Granted
CHIP CARRIER SUBSTRATE CAPACITOR AND METHOD FOR FABRICATION THEREOF	7719079	2010-05-18	11/624436	2007-01-18	GLOBALFOUNDRIES Inc.	Granted
HIGH DYNAMIC RANGE IMAGING CELL WITH ELECTRONIC SHUTTER EXTENSIONS	7719590	2010-05-18	11/687245	2007-03-16	GLOBALFOUNDRIES Inc.	Granted
CMOS DEVICE COMPRISING MOS TRANSISTORS WITH RECESSED DRAIN AND SOURCE AREAS AND A S/DG MATERIAL IN THE DRAIN AND SOURCE AREAS OF THE PMOS TRANSISTOR	7723174	2010-05-25	12/464161	2009-05-12	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE GATE FIELD EFFECT TRANSISTOR WITH AN INTERNAL SPACER STRUCTURE	7723196	2010-05-25	12/354088	2009-01-15	GLOBALFOUNDRIES Inc.	Granted

CLOCK SCALING CIRCUIT	7724059	2010-05-25	10/978183	2004-10-29	GLOBALFOUNDRIES Inc.	Granted
PHASE LOCKED LOOP APPARATUS WITH ADJUSTABLE PHASE SHIFT	7724862	2010-05-25	12/140535	2008-06-17	GLOBALFOUNDRIES Inc.	Granted
MEDIA ACCELERATOR INTERFACE API	7725905	2010-05-25	10/843255	2004-05-10	GLOBALFOUNDRIES Inc.	Granted
MANUFACTURING METHOD OF PRINTED CIRCUIT BOARD	7726016	2010-06-01	10/709752	2004-05-26	GLOBALFOUNDRIES Inc.	Granted
OPERATING CHARACTERISTIC MEASUREMENT DEVICE AND METHODS THEREOF	7728614	2010-06-01	12/134748	2008-06-06	GLOBALFOUNDRIES Inc.	Granted
RADIO FREQUENCY (RF) INTEGRATED CIRCUIT (IC) PACKAGES HAVING CHARACTERISTICS SUITABLE FOR MASS PRODUCTION	7728774	2010-06-01	12/168328	2008-07-07	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR IMPROVED SRAM DEVICE PERFORMANCE THROUGH DOUBLE GATE TOPOLOGY	7729159	2010-06-01	12/146554	2008-06-26	GLOBALFOUNDRIES Inc.	Granted
PARALLEL INSTRUCTION PROCESSING AND OPERAND INTEGRITY VERIFICATION	7730346	2010-06-01	11/742029	2007-04-30	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION PROCESS AND STRUCTURE WITH MINIMIZED STRAINED SILICON CONSUMPTION	7732336	2010-06-08	12/115473	2008-05-05	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE VIA STRUCTURE FOR THREE DIMENSIONAL INTEGRATION TECHNOLOGY	7732798	2010-06-08	12/178921	2008-07-24	GLOBALFOUNDRIES Inc.	Granted
PIXEL SENSOR WITH REDUCED IMAGE LAG	7732845	2010-06-08	12/099339	2008-04-08	GLOBALFOUNDRIES Inc.	Granted
REFLECTIVE FILM INTERFACE TO RESTORE TRANSVERSE MAGNETIC WAVE CONTRAST IN LITHOGRAPHIC PROCESSING	7736841	2010-06-15	12/233245	2008-09-18	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD FOR FABRICATING DOUBLE-SIDED SOI WAFER SCALE PACKAGE WITH OPTICAL THROUGH VIA CONNECTIONS	7736949	2010-06-15	12/199063	2008-08-27	GLOBALFOUNDRIES Inc.	Granted
RESIST TRIM PROCESS TO DEFINE SMALL OPENINGS IN DIELECTRIC LAYERS	7737021	2010-06-15	10/261613	2002-09-30	GLOBALFOUNDRIES Inc.	Granted
MOSFET STRUCTURE WITH MULTIPLE SELF-ALIGNED SILICIDE CONTACTS	7737032	2010-06-15	12/131973	2008-06-03	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF FORMING ELECTRICALLY BLOWN METAL FUSES FOR INTEGRATED CIRCUITS	7737528	2010-06-15	12/132337	2008-06-03	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR CHIP WITH REINFORCEMENT STRUCTURE	7737563	2010-06-15	12/132734	2008-06-04	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR INTEGRATED CIRCUIT CLOCK MANAGEMENT	7737752	2010-06-15	11/750267	2007-05-17	GLOBALFOUNDRIES Inc.	Granted
MEMORY CELL WITH INDEPENDENT-GATE CONTROLLED ACCESS DEVICES AND MEMORY USING THE CELL	7738284	2010-06-15	12/130408	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
CMOS COMPATIBLE INTEGRATED DIELECTRIC OPTICAL WAVEGUIDE COUPLER AND FABRICATION	7738753	2010-06-15	12/164580	2008-06-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR THREE-DIMENSIONAL MEASUREMENTS OF PHYSICAL CHARACTERISTICS WITHIN A DATA CENTER	7739073	2010-06-15	12/110732	2008-04-28	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC MEMORY ALLOCATION BETWEEN INBOUND AND OUTBOUND BUFFERS IN A PROTOCOL HANDLER	7739427	2010-06-15	12/183353	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MULTITABLE ACCESSING OF INPUT/OUTPUT DEVICES USING TARGET SECURITY	7739498	2010-06-15	10/047188	2002-01-15	GLOBALFOUNDRIES Inc.	Granted
POLYCRYSTALLINE SIGE JUNCTIONS FOR ADVANCED DEVICES	7741165	2010-06-22	12/118776	2008-05-12	GLOBALFOUNDRIES Inc.	Granted
FIN DEVICE WITH CAPACITOR INTEGRATED UNDER GATE ELECTRODE	7741184	2010-06-22	11/761438	2007-06-12	GLOBALFOUNDRIES Inc.	Granted
THROUGH-WAFER VIAS	7741722	2010-06-22	11/690181	2007-03-23	GLOBALFOUNDRIES Inc.	Granted
METHOD OF OPTIMIZING SIDEWALL SPACER SIZE FOR SILICIDE PROXIMITY WITH IN-SITU CLEAN	7745337	2010-06-29	09/122840	2008-05-19	GLOBALFOUNDRIES Inc.	Granted
TESTING OF TRANSMISSIONANCE AMPLIFIERS	7745775	2010-06-29	10/736424	2003-12-15	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES AND METHODS FOR MAKING STRAINED MOSFETS	7749842	2010-07-06	11/754627	2007-05-29	GLOBALFOUNDRIES Inc.	Granted

INTRODUCTION OF METAL IMPURITY TO CHANGE WORKFUNCTION OF CONDUCTIVE ELECTRODES	7750418	2010-07-06	12/125508	2008-05-22	GLOBALFOUNDRIES Inc.	Granted
PHASE SELECT CIRCUIT WITH REDUCED HYSTERESIS EFFECT	7750711	2010-07-06	11/742860	2007-05-01	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY USING PHASE CHANGE DEVICES	7751217	2010-07-06	12/166311	2008-07-01	GLOBALFOUNDRIES Inc.	Granted
SELF-REFERENCED MATCH-LINE SENSE AMPLIFIER FOR CONTENT ADDRESSABLE MEMORIES	7751218	2010-07-06	11/763669	2007-06-15	GLOBALFOUNDRIES Inc.	Granted
ASYNCHRONOUS PACKED BASED DUAL PORT LINK LIST HEADER AND DATA CREDIT MANAGEMENT STRUCTURE	7752355	2010-07-06	10/832658	2004-04-27	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING LOW CONTACT RESISTANCE CMOS CIRCUITS	7754554	2010-07-13	11/669401	2007-01-31	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR HAVING A CHANNEL WITH BIAXIAL STRAIN INDUCED BY SILICON/GERMANIUM IN THE GATE ELECTRODE	7754555	2010-07-13	11/674713	2007-02-14	GLOBALFOUNDRIES Inc.	Granted
DUV LASER ANNEALING AND STABILIZATION OF SICOH FILMS	7755159	2010-07-13	12/131330	2008-06-02	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES	7755161	2010-07-13	12/237148	2008-09-24	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR THREE-DIMENSIONAL MEASUREMENTS OF PHYSICAL CHARACTERISTICS WITHIN A DATA CENTER	7756667	2010-07-13	12/110698	2008-04-28	GLOBALFOUNDRIES Inc.	Granted
TEST STRUCTURE FOR DETERMINING CHARACTERISTICS OF SEMICONDUCTOR ALLOYS IN SOI TRANSISTORS BY X-RAY DIFFRACTION	7763476	2010-07-27	11/672146	2007-02-07	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING CRYSTAL DEFECTS IN TRANSISTORS WITH REGROWN SHALLOW JUNCTIONS BY APPROPRIATELY SELECTING CRYSTALLINE ORIENTATIONS	7763505	2010-07-27	11/740072	2007-04-25	GLOBALFOUNDRIES Inc.	Granted
STRESSED INTERLAYER DIELECTRIC WITH REDUCED PROBABILITY FOR VOID GENERATION IN A SEMICONDUCTOR DEVICE BY USING AN INTERMEDIATE ETCH CONTROL LAYER OF INCREASED THICKNESS	7763507	2010-07-27	12/135478	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR PROTECTING GATE STACKS DURING FABRICATION OF SEMICONDUCTOR DEVICES AND SEMICONDUCTOR DEVICES FABRICATED FROM SUCH METHODS	7763508	2010-07-27	12/330292	2008-12-08	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT STRUCTURE AND METHOD INCLUDING SPACER SHAPED METAL GATE WITH ASYMMETRIC SOURCE AND DRAIN REGIONS	7768006	2010-08-03	12/129033	2008-05-29	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE SAMPLE CLOCK FOR EMPIRICAL SETUP TIME SELECTION	7772889	2010-08-10	12/100052	2008-04-09	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC COMPONENTS ON TRENCHED SUBSTRATES AND METHOD OF FORMING SAME	7777301	2010-08-17	12/099412	2008-04-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE WITH MULTIPLE FINS HAVING DIFFERENT CHANNEL REGION HEIGHTS AND METHOD OF FORMING THE SEMICONDUCTOR STRUCTURE	7781273	2010-08-24	12/127033	2008-05-27	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING GATE ELECTRODE HAVING LATERALLY VARIABLE WORK FUNCTION	7781288	2010-08-24	11/677207	2007-02-21	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR SUBSTRATE HAVING A PROTECTION LAYER AT THE SUBSTRATE BACK SIDE	7781343	2010-08-24	11/757575	2007-06-04	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED SILICON GERMANIUM USING A DOUBLE BURIED OXIDE SILICON-ON-INSULATOR WAFER	7781800	2010-08-24	12/169674	2008-07-09	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC PACKAGE WITH A THERMAL INTERPOSER AND METHOD OF MANUFACTURING THE SAME	7781883	2010-08-24	12/194448	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR A HIGH-SPEED LEVEL SHIFTER	7782114	2010-08-24	12/350312	2009-01-08	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY CONTENT ADDRESSABLE MEMORY USING PHASE CHANGE DEVICES	7782646	2010-08-24	12/165530	2008-06-30	GLOBALFOUNDRIES Inc.	Granted

MAGNETICALLY DE-COUPLING MAGNETIC MEMORY CELLS AND BITWORD LINES FOR REDUCING BIT SELECTION ERRORS	7782660	2010-08-24	12/052326	2008-03-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PATTERN MATCHING ON SINGLE AND MULTIPLE PATTERN STRUCTURES	7782844	2010-08-24	09/225388	1999-01-05	GLOBALFOUNDRIES Inc.	Granted
MULTI-GIGABIT PER SECOND COMPUTING OF THE RUNDABEL INVERSE CIPHER	7783037	2010-08-24	10/946653	2004-09-20	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUITS COMPRISING RESISTORS HAVING DIFFERENT SHEET RESISTANCES AND METHODS OF FABRICATING THE SAME	7785979	2010-08-31	12/173407	2008-07-15	GLOBALFOUNDRIES Inc.	Granted
TAPERED EDGE EXPOSURE FOR REMOVAL OF MATERIAL FROM A SEMICONDUCTOR WAFER	7786012	2010-08-31	11/684731	2007-03-12	GLOBALFOUNDRIES Inc.	Granted
MODULATION CODING AND DECODING	7786905	2010-08-31	12/262345	2008-10-31	GLOBALFOUNDRIES Inc.	Granted
MODULATION CODING AND DECODING	7786906	2010-08-31	12/262297	2008-10-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR OPTIMIZING AN OPTICAL PROXIMITY CORRECTION MODEL	7788609	2010-08-31	12/054572	2008-03-25	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR REMOVING A METAL-COMPRISING MATERIAL FROM A SEMICONDUCTOR SUBSTRATE	7790624	2010-09-07	12/174497	2008-07-16	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE STRESS-ENHANCE MOSFET AND METHOD OF MANUFACTURE	7791144	2010-09-07	11/506770	2009-07-21	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR CALIBRATING OUTPUT VOLTAGE LEVELS ASSOCIATED WITH CURRENT-INTEGRATING SUMMING AMPLIFIER	7792185	2010-09-07	11/672309	2007-02-07	GLOBALFOUNDRIES Inc.	Granted
SCRATCH PAD FOR STORING INTERMEDIATE LOOP FILTER DATA	7792385	2010-09-07	11/042218	2005-01-25	GLOBALFOUNDRIES Inc.	Granted
TRANSLATION DATA PREFETCH IN AN IOMMU	7793067	2010-09-07	12/112611	2008-04-30	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING INTEGRATED CIRCUIT (IC) INCLUDING AT LEAST ONE STORAGE CELL	7795068	2010-09-14	12/136158	2008-06-10	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING AN INDIUM CAP LAYER	7795155	2010-09-14	11/669496	2007-01-31	GLOBALFOUNDRIES Inc.	Granted
ADHESION ENHANCEMENT FOR METAL/DIELECTRIC INTERFACE	7795740	2010-09-14	12/245133	2008-10-03	GLOBALFOUNDRIES Inc.	Granted
SURFACE TREATMENT WITH AN ACIDIC COMPOSITION TO PREVENT SUBSTRATE AND ENVIRONMENTAL CONTAMINATION	7799514	2010-09-21	10/957367	2004-10-01	GLOBALFOUNDRIES Inc.	Granted
SINGLE/DOUBLE DIPOLE MASK FOR CONTACT HOLES	7799517	2010-09-21	10/930432	2004-08-31	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED MODULE FOR DATA PROCESSING SYSTEM	7799613	2010-09-21	12/543144	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR HAVING A LOCALLY PROVIDED METAL SILTCLIDE REGION IN CONTACT AREAS AND A METHOD OF FORMING THE TRANSISTOR	7799682	2010-09-21	11/697890	2007-04-09	GLOBALFOUNDRIES Inc.	Granted
CMOS IMAGE SENSOR WITH REDUCED DARK CURRENT	7800147	2010-09-21	12/056305	2008-03-27	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT STRUCTURE, DESIGN STRUCTURE, AND METHOD HAVING IMPROVED ISOLATION AND HARMONICS	7804151	2010-09-28	12/187419	2008-08-07	GLOBALFOUNDRIES Inc.	Granted
INTERNAL CHARGE TRANSFER FOR CIRCUITS	7804329	2010-09-28	12/275521	2008-11-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A TEOS CAP LAYER AT LOW TEMPERATURE AND REDUCED DEPOSITION RATE	7807223	2010-10-05	10/835411	2004-04-29	GLOBALFOUNDRIES Inc.	Granted
TRENCH STRUCTURE AND METHOD OF FORMING TRENCH STRUCTURE	7808028	2010-10-05	11/736796	2007-04-18	GLOBALFOUNDRIES Inc.	Granted
VERSATILE SE-BASED PACKAGING WITH INTEGRATED PASSIVE COMPONENTS FOR MMWAVE APPLICATIONS	7808798	2010-10-05	12/062665	2008-04-04	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND PROCESS FOR SUPPLY MANAGEMENT FOR THE ASSEMBLY OF EXPENSIVE PRODUCTS	7809456	2010-10-05	12/174770	2008-07-17	GLOBALFOUNDRIES Inc.	Granted
DIRECT MEMORY ACCESS (DMA) ADDRESS TRANSLATION IN AN INPUT/OUTPUT MEMORY MANAGEMENT UNIT (IOMMU)	7809923	2010-10-05	12/635385	2009-12-10	GLOBALFOUNDRIES Inc.	Granted
SOLDER STANDOFFS FOR INJECTION MOLDING OF SOLDER	7810702	2010-10-12	12/166523	2008-07-02	GLOBALFOUNDRIES Inc.	Granted

REDUCTION OF MEMORY INSTABILITY BY LOCAL ADAPTATION OF RECRYSTALLIZATION CONDITIONS IN A CACHE AREA OF A SEMICONDUCTOR DEVICE	7811876	2010-10-12	12/188324	2008-08-08	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR PCM INTEGRATION WITH POLY-EMITTER BIT AS ACCESS DEVICE	7811879	2010-10-12	12/121875	2008-05-16	GLOBALFOUNDRIES Inc.	Granted
MULTILAYER HARDMASK SCHEME FOR DAMAGE-FREE DUAL DAMASCENE PROCESSING OF SICOH DIELECTRICS	7811926	2010-10-12	12/198602	2008-08-26	GLOBALFOUNDRIES Inc.	Granted
CMOS-PROCESS-COMPATIBLE PROGRAMMABLE VIA DEVICE	7811933	2010-10-12	12/697805	2010-02-01	GLOBALFOUNDRIES Inc.	Granted
TRENCH CAPACITOR	7812387	2010-10-12	12/062310	2008-04-03	GLOBALFOUNDRIES Inc.	Granted
ULTRA THIN CHANNEL (UTC) MOSFET STRUCTURE FORMED ON BOX REGIONS HAVING DIFFERENT DEPTHS AND DIFFERENT THICKNESSES BENEATH THE UTC AND SOURCE/DRAIN REGIONS AND METHOD OF MANUFACTURE THEREOF	7812397	2010-10-12	12/166285	2008-07-01	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING CML MULTIPLEXER LOAD BALANCING	7812643	2010-10-12	12/366005	2009-02-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FILTERING MEMORY WRITE SNOOP ACTIVITY IN A DISTRIBUTED SHARED MEMORY COMPUTER	7814285	2010-10-12	12/708008	2010-02-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FILTERING MEMORY WRITE SNOOP ACTIVITY IN A DISTRIBUTED SHARED MEMORY COMPUTER	7814286	2010-10-12	12/708013	2010-02-18	GLOBALFOUNDRIES Inc.	Granted
REPRESENTING AND PROPAGATING A VARIATIONAL VOLTAGE WAVEFORM IN STATISTICAL STATIC TIMING ANALYSIS OF DIGITAL CIRCUITS	7814448	2010-10-12	11/733058	2007-04-09	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP ADJUSTMENT OF MIMCAP AND VNCAP CAPACITORS	7816197	2010-10-19	12/437575	2009-05-08	GLOBALFOUNDRIES Inc.	Granted
ULTRA SHALLOW JUNCTION FORMATION BY EPITAXIAL INTERFACE LIMITED DIFFUSION	7816237	2010-10-19	12/132698	2008-06-04	GLOBALFOUNDRIES Inc.	Granted
SOLDER CONNECTOR STRUCTURE AND METHOD	7816248	2010-10-19	12/138482	2008-06-13	GLOBALFOUNDRIES Inc.	Granted
GATE PATTERNING OF NANO-CHANNEL DEVICES	7816275	2010-10-19	12/417954	2009-04-03	GLOBALFOUNDRIES Inc.	Granted
DEFECT REDUCTION BY OXIDATION OF SILICON	7816664	2010-10-19	12/139080	2008-06-13	GLOBALFOUNDRIES Inc.	Granted
MICROELECTRONIC STRUCTURE BY SELECTIVE DEPOSITION	7816743	2010-10-19	12/273894	2008-11-19	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING LAMINATED ISOLATION REGION	7816760	2010-10-19	12/110633	2008-06-20	GLOBALFOUNDRIES Inc.	Granted
COLUMN SELECTABLE SELF-BIASING VIRTUAL VOLTAGES FOR SRAM WRITE ASSIST	7817481	2010-10-19	12/167300	2008-07-03	GLOBALFOUNDRIES Inc.	Granted
HYBRID OUTPUT DRIVER FOR HIGH-SPEED COMMUNICATIONS INTERFACES	7817727	2010-10-19	11/756678	2007-06-01	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR LENGTH DECODING AND IDENTIFYING BOUNDARIES OF VARIABLE LENGTH INSTRUCTIONS	7818543	2010-10-19	11/775456	2007-07-10	GLOBALFOUNDRIES Inc.	Granted
TOKEN BASED POWER CONTROL MECHANISM	7818592	2010-10-19	11/788215	2007-04-18	GLOBALFOUNDRIES Inc.	Granted
IC LAYOUT OPTIMIZATION TO IMPROVE YIELD	7818694	2010-10-19	12/342353	2008-12-23	GLOBALFOUNDRIES Inc.	Granted
RECYCLING OF ELECTROCHEMICAL-MECHANICAL PLANARIZATION (ECMP) SLURRIES/ELECTROLYTES	7820051	2010-10-26	11/678089	2007-02-23	GLOBALFOUNDRIES Inc.	Granted
LOW-K INTERLEVEL DIELECTRIC MATERIALS AND METHOD OF FORMING LOW-K INTERLEVEL DIELECTRIC LAYERS AND STRUCTURES	7820242	2010-10-26	12/053721	2008-03-24	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING IMPROVED SELF-ASSEMBLED PATTERNS OF BLOCK COPOLYMERS	7820270	2010-10-26	12/540440	2009-08-13	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PATTERNING A LOW ACTIVATION ENERGY PHOTORESIST	7820369	2010-10-26	10/729452	2003-12-04	GLOBALFOUNDRIES Inc.	Granted

ADVANCED HIGH-K GATE STACK PATTERNING AND STRUCTURE CONTAINING A PATTERNED HIGH-K GATE STACK	7820552	2010-10-26	11/685558	2007-03-13	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE TO IMPROVE ADHESION BETWEEN TOP CVD LOW-K DIELECTRIC AND DIELECTRIC CAPPING LAYER	7820559	2010-10-26	12/143917	2008-06-23	GLOBALFOUNDRIES Inc.	Granted
MINI CAPACITOR AND METHOD OF FABRICATING SAME	7821051	2010-10-26	11/625883	2007-01-23	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FLATBAND VOLTAGE TUNING OF HIGH-K FIELD EFFECT TRANSISTORS	7821081	2010-10-26	12/133817	2008-06-05	GLOBALFOUNDRIES Inc.	Granted
PHOTO DETECTOR	7821091	2010-10-26	12/325195	2008-11-29	GLOBALFOUNDRIES Inc.	Granted
TRENCH WIDENING WITHOUT MERGING	7821098	2010-10-26	12/103000	2008-04-15	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR LOW CAPACITANCE ESD ROBUST DIODES	7821099	2010-10-26	12/118875	2008-05-12	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT STRUCTURES AND METHODS WITH BEOL LAYERS(S) CONFIGURED TO BLOCK ELECTROMAGNETIC INTERFERENCE	7821110	2010-10-26	11/747342	2007-05-11	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT CONTAINING MULTI-STATE RESTORE CIRCUITRY FOR RESTORING STATE TO A POWER-MANAGED FUNCTIONAL BLOCK	7821294	2010-10-26	12/135249	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
EDRAM HIERARCHICAL DIFFERENTIAL SENSE AMP SYSTEM AND METHODS OF BALANCING SCAN CHAINS AND INSERTING THE BALANCED-LENGTH SCAN CHAINS INTO HIERARCHICALLY DESIGNED INTEGRATED CIRCUITS	7821858	2010-10-26	12/326143	2008-12-02	GLOBALFOUNDRIES Inc.	Granted
METHOD OF GENERATING WIRING ROUTES WITH MATCHING DELAY IN THE PRESENCE OF PROCESS VARIATION	7823035	2010-10-26	11/748736	2007-05-15	GLOBALFOUNDRIES Inc.	Granted
FUNCTIONALIZED CARBOSILANE POLYMERS AND PHOTORESIST COMPOSITIONS CONTAINING THE SAME	7824845	2010-11-02	12/057472	2008-03-28	GLOBALFOUNDRIES Inc.	Granted
IMAGE SENSOR INCLUDING SPATIALLY DIFFERENT ACTIVE AND DARK PIXEL INTERCONNECT PATTERNS	7825416	2010-11-02	12/423055	2009-04-14	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING SLOT VIA BITLINE FOR MRAM DEVICES	7825420	2010-11-02	12/539942	2009-08-12	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL ANTIFUSE HAVING A MULTI-THICKNESS DIELECTRIC LAYER	7825479	2010-11-02	12/187003	2008-08-06	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF ALIGNED CAPPED METAL LINES AND INTERCONNECTIONS IN MULTILEVEL SEMICONDUCTOR STRUCTURES	7825516	2010-11-02	10/316484	2002-12-11	GLOBALFOUNDRIES Inc.	Granted
PISTON RESET APPARATUS FOR A MULTICHIP MODULE AND METHOD FOR RESETTING PISTONS IN THE SAME	7826228	2010-11-02	12/143940	2008-06-23	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE METAL GATE POLY GATE 8 TRANSISTOR SRAM CELL WITH REDUCED VARIABILITY	7826251	2010-11-02	12/125637	2008-05-22	GLOBALFOUNDRIES Inc.	Granted
DEVICE THRESHOLD CALIBRATION THROUGH STATE DEPENDENT BURN-IN	7826288	2010-11-02	11/684225	2007-03-09	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR PASSING INITIALIZATION VECTOR INFORMATION FROM SOFTWARE TO HARDWARE TO PERFORM IPSEC ENCRYPTION OPERATION	7826614	2010-11-02	10/816661	2004-04-02	GLOBALFOUNDRIES Inc.	Granted
POST INITIAL MICROCODE LOAD CO-SIMULATION	7827020	2010-11-02	12/368452	2009-02-10	GLOBALFOUNDRIES Inc.	Granted
DATA PROCESSOR HAVING A CACHE WITH EFFICIENT STORAGE OF PREDECODED INFORMATION, CACHE, AND METHOD	7827355	2010-11-02	10/887069	2004-07-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND TEST STRUCTURE FOR MONITORING CMP PROCESSES IN METALLIZATION LAYERS OF SEMICONDUCTOR DEVICES	7829357	2010-11-09	12/165725	2008-07-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A HIGH Q FACTOR INTEGRATED CIRCUIT INDUCTOR	7829427	2010-11-09	12/612743	2009-11-05	GLOBALFOUNDRIES Inc.	Granted
TERMINAL PAD STRUCTURES AND METHODS OF FABRICATING SAME	7829452	2010-11-09	12/248934	2009-01-06	GLOBALFOUNDRIES Inc.	Granted

VERTICAL CARBON NANOTUBE FIELD EFFECT TRANSISTORS AND ARRAYS	7829883	2010-11-09	10/77576	2004-02-12	GLOBALFOUNDRIES Inc.	Granted
DEMULTIPLIERS USING TRANSISTORS FOR ACCESSING MEMORY CELL ARRAYS	7829926	2010-11-09	12/114857	2008-05-05	GLOBALFOUNDRIES Inc.	Granted
MOSFET INCLUDING EPITAXIAL HALO REGION	7829939	2010-11-09	12/426467	2009-04-20	GLOBALFOUNDRIES Inc.	Granted
SURFACE TREATMENT FOR SELECTIVE METAL CAP APPLICATIONS	7830010	2010-11-09	12/062130	2008-04-03	GLOBALFOUNDRIES Inc.	Granted
VIA BOTTOM CONTACT AND METHOD OF MANUFACTURING SAME	7830019	2010-11-09	12/431289	2009-04-28	GLOBALFOUNDRIES Inc.	Granted
SELF-TEST DESIGN METHODOLOGY AND TECHNIQUE FOR ROOT-GATED CLOCKING STRUCTURE	7830195	2010-11-09	12/401730	2009-03-11	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR LOW POWER, SINGLE-ENDED SENSING IN A MULTI-PORT SRAM USING PRE-DISCHARGED BIT LINES	7830727	2010-11-09	12/135237	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
SMI MEMORY READ DATA CAPTURE MARGIN CHARACTERIZATION CIRCUITS AND METHODS	7830737	2010-11-09	12/147685	2008-06-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR RANDOMIZING WAFERS IN A COMPLEX PROCESS LINE	7831324	2010-11-09	11/746320	2007-05-09	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUE FOR PREFETCHING DATA BASED ON A STRIDE PATTERN	7831800	2010-11-09	11/750266	2007-05-17	GLOBALFOUNDRIES Inc.	Granted
NON-DESTRUCTIVE SIDEBAND READING OF PROCESSOR STATE INFORMATION	7831816	2010-11-09	12/130990	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR SOFTWARE SUPPORT RESOURCE ALLOCATION BASED ON ANALYSIS OF CATEGORIZED FIELD PROBLEMS	7831868	2010-11-09	12/062270	2008-04-03	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A LAND GRID ARRAY (LGA) INTERPOSER ARRANGEMENT UTILIZING METAL-ON-ELASTOMER HEM-TORUS AND OTHER MULTIPLE POINTS OF CONTACT GEOMETRIES	7832095	2010-11-16	12/127432	2008-05-27	GLOBALFOUNDRIES Inc.	Granted
SOLUTION-BASED DEPOSITION PROCESS FOR METAL CHALCOGENIDES	7833825	2010-11-16	12/355189	2009-01-16	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF FABRICATING A HYBRID SUBSTRATE FOR HIGH-PERFORMANCE HYBRID-ORIENTATION SILICON-ON-INSULATOR CMOS DEVICES	7833854	2010-11-16	12/145024	2008-06-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE TO REDUCE CONTACT RESISTANCE ON THIN SILICON-ON-INSULATOR DEVICE	7833873	2010-11-16	12/174683	2008-07-17	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE MANUFACTURING METHOD USING OXYGEN DIFFUSION BARRIER LAYER BETWEEN BURIED OXIDE LAYER AND HIGH K DIELECTRIC LAYER	7833891	2010-11-16	12/178303	2008-07-23	GLOBALFOUNDRIES Inc.	Granted
CMP METHODS AVOIDING EDGE EROSION AND RELATED WAFER	7833907	2010-11-16	12/107980	2008-04-23	GLOBALFOUNDRIES Inc.	Granted
SIMULTANEOUS CONDITIONING OF A PLURALITY OF MEMORY CELLS THROUGH SERIES RESISTORS	7834384	2010-11-16	12/060922	2008-04-02	GLOBALFOUNDRIES Inc.	Granted
METAL GATE COMPATIBLE FLASH MEMORY GATE STACK	7834387	2010-11-16	12/100708	2008-04-10	GLOBALFOUNDRIES Inc.	Granted
HYBRID ORIENTATION SOI SUBSTRATES, AND METHOD FOR FORMING THE SAME	7834425	2010-11-16	12/115065	2008-05-05	GLOBALFOUNDRIES Inc.	Granted
HEATPLATES FOR HEATSINK ATTACHMENT FOR SEMICONDUCTOR CHIPS	7834444	2010-11-16	12/393346	2009-02-26	GLOBALFOUNDRIES Inc.	Granted
HEAT SINK WITH THERMALLY COMPLIANT BEAMS	7834445	2010-11-16	12/537861	2009-08-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONSTRUCTING AN APPROXIMATED DYNAMIC HUFFMAN TABLE FOR USE IN DATA COMPRESSION	7834781	2010-11-16	12/418896	2009-04-06	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING ENHANCED DUAL MODE SRAM PERFORMANCE SCREEN RING OSCILLATOR	7835176	2010-11-16	12/360230	2009-01-27	GLOBALFOUNDRIES Inc.	Granted

METAL HIGH-K TRANSISTOR HAVING SILICON SIDEWALL FOR REDUCED PARASITIC CAPACITANCE	7843007	2010-11-30	12/539842	2009-08-12	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR IMPROVING DEVICE PERFORMANCE VARIATION IN DUAL STRESS LINER TECHNOLOGY	7843024	2010-11-30	12/328358	2008-12-04	GLOBALFOUNDRIES Inc.	Granted
THERMALLY PROGRAMMABLE ANTI-REVERSE ENGINEERING INTERCONNECTS WHEREIN INTERCONNECTS ONLY CONDUCT WHEN HEATED ABOVE ROOM TEMPERATURE	7843062	2010-11-30	12/698189	2010-02-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE OF INTEGRATED RHODIUM CONTACTS WITH COPPER INTERCONNECTS	7843067	2010-11-30	12/053969	2008-03-24	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING POWER SAVINGS IN HSS CLOCK-GATING CIRCUIT	7844843	2010-11-30	12/341079	2008-12-22	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR POWER DOMAIN OPTIMIZATION	7844925	2010-11-30	11/753644	2007-05-25	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR QUALITY ASSURED SEMICONDUCTOR DEVICE MODELING	7844927	2010-11-30	11/655534	2007-01-19	GLOBALFOUNDRIES Inc.	Granted
METHODS OF OPTIMIZING TIMING OF SIGNALS IN AN INTEGRATED CIRCUIT DESIGN USING PROXY SLACK VALUES	7844933	2010-11-30	12/113288	2008-05-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF POSITIONING PATTERNS FROM BLOCK COPOLYMER SELF-ASSEMBLY	7846502	2010-12-07	12/482583	2009-06-11	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING A SEMICONDUCTOR STRUCTURE USING A MANDREL AND SEMICONDUCTOR STRUCTURES FORMED THEREBY	7847323	2010-12-07	12/143213	2008-06-20	GLOBALFOUNDRIES Inc.	Granted
METAL GATE HIGH-K DEVICES HAVING A LAYER COMPRISED OF AMORPHOUS SILICON	7847356	2010-12-07	12/542855	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE CMOS DEVICES COMPRISING GAPPED DUAL STRESSORS WITH DIELECTRIC GAP FILLS, AND METHODS OF FABRICATING THE SAME	7847357	2010-12-07	12/556261	2009-09-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR NANO PROBING A SEMICONDUCTOR CHIP	7847575	2010-12-07	12/180989	2008-07-28	GLOBALFOUNDRIES Inc.	Granted
VOLTAGE DETECTION CIRCUIT IN AN INTEGRATED CIRCUIT AND METHOD OF GENERATING A TRIGGER FLAG SIGNAL	7847605	2010-12-07	12/242114	2008-09-30	GLOBALFOUNDRIES Inc.	Granted
DIGITAL PHASE AND FREQUENCY DETECTOR	7847641	2010-12-07	12/142123	2008-06-19	GLOBALFOUNDRIES Inc.	Granted
PIEZO-DRIVEN NON-VOLATILE MEMORY CELL WITH HYSTERETIC RESISTANCE	7848135	2010-12-07	12/234100	2008-09-19	GLOBALFOUNDRIES Inc.	Granted
FORMALLY DERIVING A MINIMAL CLOCK-GATING SCHEME	7849428	2010-12-07	12/107940	2008-04-23	GLOBALFOUNDRIES Inc.	Granted
PROBE FOR SCANNING OVER A SUBSTRATE AND A DATA STORAGE DEVICE	7849516	2010-12-07	12/187759	2008-08-07	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH RAISED SOURCE/DRAIN FIN STRAPS	7851283	2010-12-14	12/182158	2008-07-30	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR USING CARBON BASED STRESS LINER	7851288	2010-12-14	11/760030	2007-06-08	GLOBALFOUNDRIES Inc.	Granted
SUBGROUND RULE SPACE FOR IMPROVED METAL HIGH-K DEVICE	7851299	2010-12-14	12/061113	2008-04-02	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR INTEGRATED CIRCUIT DEVICES HAVING HIGH-Q WAFER BACK-SIDE CAPACITORS	7851321	2010-12-14	12/348707	2009-01-05	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MATERIAL WITH FILAMENT ELECTRODE	7851323	2010-12-14	12/500659	2009-07-10	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A METAL SILICIDE LAYER, DEVICES INCORPORATING METAL SILICIDE LAYERS AND DESIGN STRUCTURES FOR THE DEVICES	7851353	2010-12-14	12/142870	2008-06-20	GLOBALFOUNDRIES Inc.	Granted
COMPRESSIVE NITRIDE FILM AND METHOD OF MANUFACTURING THEREOF	7851376	2010-12-14	12/3664088	2009-02-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FABRICATING A CARBON NANOTUBE TRANSISTOR	7851783	2010-12-14	12/164690	2008-06-30	GLOBALFOUNDRIES Inc.	Granted

METAL INTERCONNECT AND IC CHIP INCLUDING METAL INTERCONNECT	7851919	2010-12-14	12/701045	2010-02-05	GLOBALFOUNDRIES Inc.	Granted
COUPLING ELEMENT ALIGNMENT USING WAVEGUIDE FIDUCIALS	7853105	2010-12-14	12/424833	2009-04-16	GLOBALFOUNDRIES Inc.	Granted
PERFORMING TEMPORAL CHECKING	7853420	2010-12-14	12/102510	2008-04-14	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING AND ALIGNING CHEMICALLY MEDIATED DISPERSION OF MAGNETIC NANOPARTICLES IN A POLYMER	7854878	2010-12-21	11/625839	2007-01-23	GLOBALFOUNDRIES Inc.	Granted
PLANAR AND NON-PLANAR CMOS DEVICES WITH MULTIPLE TUNED THRESHOLD VOLTAGES	7855105	2010-12-21	12/487202	2009-06-18	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR AND METHOD OF FABRICATING SAME	7855110	2010-12-21	12/169118	2008-07-08	GLOBALFOUNDRIES Inc.	Granted
CORROSION INHIBITOR ADDITIVES TO PREVENT SEMICONDUCTOR DEVICE BOND-PAD CORROSION DURING WAFER Dicing OPERATIONS	7855130	2010-12-21	10/249576	2003-04-21	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF CARBON AND SEMICONDUCTOR NANOMATERIALS USING MOLECULAR ASSEMBLIES	7855133	2010-12-21	12/199516	2008-08-27	GLOBALFOUNDRIES Inc.	Granted
METHOD TO REDUCE PARASTIC CAPACTANCE IN A METAL HIGH DIELECTRIC CONSTANT (MHK) TRANSISTOR	7855135	2010-12-21	12/539860	2009-08-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MAKING A SIDEWALL-PROTECTED METALLIC PILLAR ON A SEMICONDUCTOR SUBSTRATE	7855137	2010-12-21	12/190173	2008-08-12	GLOBALFOUNDRIES Inc.	Granted
CONDUCTIVE LINER AT AN INTERFACE BETWEEN A SHALLOW TRENCH ISOLATION STRUCTURE AND A BURIED OXIDE LAYER	7855428	2010-12-21	12/115699	2008-05-06	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC COMPONENTS ON TRENCHED SUBSTRATES AND METHOD OF FORMING SAME	7855430	2010-12-21	12/099381	2008-04-08	GLOBALFOUNDRIES Inc.	Granted
LOCK AND KEY THROUGH-VIA METHOD FOR WAFER LEVEL 3 D INTEGRATION AND STRUCTURES PRODUCED	7855455	2010-12-21	12/239688	2008-09-26	GLOBALFOUNDRIES Inc.	Granted
FACILITATING SIMULATION OF A MODEL WITHIN A DISTRIBUTED ENVIRONMENT	7856447	2010-12-21	12/181843	2008-07-29	GLOBALFOUNDRIES Inc.	Granted
USING CONSTRAINTS IN DESIGN VERIFICATION	7856609	2010-12-21	12/164781	2008-06-30	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A SUBSTRATE WITH INTERPOSER CHANNELS FOR COOLING THE SUBSTRATE	7856711	2010-12-28	12/212998	2008-09-18	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR SUB-RESOLUTION DUMMY CLEAR SHAPES FOR IMPROVED GATE DIMENSIONAL CONTROL.	7858269	2010-12-28	11/687230	2007-03-16	GLOBALFOUNDRIES Inc.	Granted
LOW THRESHOLD VOLTAGE SEMICONDUCTOR DEVICE WITH DUAL THRESHOLD VOLTAGE CONTROL MEANS	7858500	2010-12-28	12/062972	2008-04-04	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND PROCESS OF FORMING DEVICE WITH DEVICE STRUCTURE FORMED IN TRENCH AND GRAPHENE LAYER FORMED THEREOVER	7858989	2010-12-28	12/201801	2008-08-29	GLOBALFOUNDRIES Inc.	Granted
ULTRA THIN SILICON ON INSULATOR	7859060	2010-12-28	12/535398	2009-08-04	GLOBALFOUNDRIES Inc.	Granted
HALO-FIRST ULTRA-THIN SOI SET FOR SUPERIOR SHORT CHANNEL CONTROL	7859061	2010-12-28	12/538111	2009-08-08	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE INCLUDING VIA HAVING REFRACTORY METAL COLLAR AT COPPER WIRE AND DIELECTRIC LAYER LINER-LESS INTERFACE AND RELATED METHOD	7859113	2010-12-28	11/679483	2007-02-27	GLOBALFOUNDRIES Inc.	Granted
HIGH YIELD, HIGH DENSITY ON-CHIP CAPACITOR DESIGN	7859825	2010-12-28	12/371756	2009-02-16	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR IMPLEMENTING MATRIX-BASED SEARCH CAPABILITY IN CONTENT ADDRESSABLE MEMORY DEVICES	7859878	2010-12-28	12/110375	2008-04-28	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR LOW POWER SENSING IN A MULTI-PORT SRAM USING PRE-DISCHARGED BIT LINES	7859921	2010-12-28	12/135229	2008-06-09	GLOBALFOUNDRIES Inc.	Granted

METHOD OF CREATING A LOAD BALANCED SPATIAL PARTITIONING OF A STRUCTURED, DIFFUSING SYSTEM OF PARTICLES	7860695	2010-12-28	12/173070	2008-07-15	GLOBALFOUNDRIES Inc.	Granted
SCANNING PROBE-BASED LITHOGRAPHY METHOD	7862858	2011-01-04	12/336904	2008-12-17	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL TRIM OF PHOTORESIST LINES BY MEANS OF A TUNED OVERCOAT MATERIAL	7862982	2011-01-04	12/137743	2008-06-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING DUAL DAMASCENE STRUCTURES USING PHOTO-IMPRINT LITHOGRAPHY	7862989	2011-01-04	12/228010	2008-08-07	GLOBALFOUNDRIES Inc.	Granted
HIGH TEMPERATURE PROCESSING COMPATIBLE METAL GATE ELECTRODE FOR PFETS AND METHODS FOR FABRICATION	7863083	2011-01-04	12/197845	2008-08-25	GLOBALFOUNDRIES Inc.	Granted
PLANAR ARRAY CONTACT MEMORY CARDS	7863091	2011-01-04	12/166773	2008-07-02	GLOBALFOUNDRIES Inc.	Granted
DIRECT CONTACT BETWEEN HIGH-KAPPA/METAL GATE AND WIRING PROCESS FLOW	7863123	2011-01-04	12/355953	2009-01-19	GLOBALFOUNDRIES Inc.	Granted
RESIDUE FREE PATTERNED LAYER FORMATION METHOD APPLICABLE TO CMOS STRUCTURES	7863124	2011-01-04	11/746759	2007-05-10	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF A CMOS STRUCTURE WITH A HIGH-K DIELECTRIC LAYER OXIDIZING AN ALUMINUM LAYER IN PHEI REGION	7863126	2011-01-04	12/120658	2008-05-15	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE SCHOTTKY-BARRIER-SOURCE ASYMMETRIC MOSFETS	7863143	2011-01-04	12/113462	2008-05-01	GLOBALFOUNDRIES Inc.	Granted
FULLY AND UNIFORMLY SPLICED GATE STRUCTURE AND METHOD FOR FORMING SAME	7863186	2011-01-04	12/334746	2008-12-15	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE CHIP CARRIER SUBSTRATE	7863576	2011-01-04	12/186767	2008-08-06	GLOBALFOUNDRIES Inc.	Granted
CARBON TUBE FOR ELECTRON BEAM APPLICATION	7863563	2011-01-04	11/683596	2007-03-08	GLOBALFOUNDRIES Inc.	Granted
DUAL-SIDED CHIP ATTACHED MODULES	7863734	2011-01-04	12/186655	2008-08-06	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC STRUCTURES UTILIZING ETCH RESISTANT BORON AND PHOSPHORUS MATERIALS AND METHODS TO FORM SAME	7863749	2011-01-04	12/180010	2008-07-25	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT AND DESIGN STRUCTURE FOR SYNCHRONIZING MULTIPLE DIGITAL SIGNALS	7863949	2011-01-04	12/759015	2010-04-13	GLOBALFOUNDRIES Inc.	Granted
IN SITU MONITORING OF WAFER CHARGE DISTRIBUTION IN PLASMA PROCESSING	7864502	2011-01-04	11/748560	2007-05-15	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MEMORY PROGRAMMING METHOD WITHOUT RESET OVER-WRITE	7864566	2011-01-04	12/166934	2008-07-02	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZING SRAM PERFORMANCE OVER EXTENDED VOLTAGE OR PROCESS RANGE USING SELF-TIMED CALIBRATION OF LOCAL CLOCK GENERATOR	7864625	2011-01-04	12/244286	2008-10-02	GLOBALFOUNDRIES Inc.	Granted
PROBABILISTIC REGRESSION SUITES FOR FUNCTIONAL VERIFICATION	7865340	2011-01-04	12/121962	2008-05-16	GLOBALFOUNDRIES Inc.	Granted
INSTRUCTION ENCODING IN A HARDWARE SIMULATION ACCELERATOR	7865346	2011-01-04	11/694940	2007-03-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR DETECTING SYNCHRONIZATION ERRORS IN PROGRAMS	7865778	2011-01-04	11/676853	2007-02-20	GLOBALFOUNDRIES Inc.	Granted
METHOD OF GENERATING WIRING ROUTES WITH MATCHING DELAY IN THE PRESENCE OF PROCESS VARIATION	7865861	2011-01-04	12/107158	2008-04-22	GLOBALFOUNDRIES Inc.	Granted
EFFICIENT BRANCH TRACE MESSAGING WITH HARDWARE DEBUG FEATURES	7865879	2011-01-04	10/425517	2003-04-29	GLOBALFOUNDRIES Inc.	Granted
HIGH CAPACTANCE DENSITY VERTICAL NATURAL CAPACITORS	7866015	2011-01-11	12/194564	2008-08-20	GLOBALFOUNDRIES Inc.	Granted
COMPLEXES OF CARBON NANOTUBES AND FULLERENES WITH MOLECULAR-CLIPS AND USE THEREOF	7867469	2011-01-11	12/778861	2010-05-10	GLOBALFOUNDRIES Inc.	Granted

METHOD OF USE FOR PHOTOPATTERNABLE DIELECTRIC MATERIALS FOR BEOL APPLICATIONS	7867689	2011-01-11	11/750356	2007-05-18	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING CO-PLANAR WAFER-SCALE CHIP PACKAGES	7867820	2011-01-11	12/121468	2008-05-15	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL FUSE AND METHOD OF MAKING	7867832	2011-01-11	12/268549	2008-11-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FORMING PLANAR ALLOY DEPOSITS ON A SUBSTRATE	7867842	2011-01-11	12/181852	2008-07-29	GLOBALFOUNDRIES Inc.	Granted
SOI FET WITH SOURCE-SIDE BODY DOPING	7867866	2011-01-11	12/651499	2010-01-04	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR ENHANCING RESISTANCE TO FRACTURE OF BONDING PADS	7867887	2011-01-11	12/174074	2008-07-16	GLOBALFOUNDRIES Inc.	Granted
LOW LEAKAGE METAL-CONTAINING CAP PROCESS USING OXIDATION	7867897	2011-01-11	12/573407	2009-10-05	GLOBALFOUNDRIES Inc.	Granted
3-D SINGLE GATE INVERTER	7868391	2011-01-11	12/478098	2009-06-04	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZED DEVICE ISOLATION	7868423	2011-01-11	12/269073	2008-11-12	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED INTERCONNECTS, AND METHODS FOR FORMING SAME	7868461	2011-01-11	12/478105	2009-06-04	GLOBALFOUNDRIES Inc.	Granted
DIGITAL TO ANALOG CONVERTER HAVING FASTPATHS	7868809	2011-01-11	12/289618	2009-02-20	GLOBALFOUNDRIES Inc.	Granted
REDUCING CONTAMINATION IN IMMERSION LITHOGRAPHY	7869002	2011-01-11	12/182282	2008-07-30	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE PULSEWIDTH AND DELAY GENERATING CIRCUIT FOR INTEGRATED CIRCUITS	7869302	2011-01-11	12/543256	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
COMMUNICATION SCHEME-INDEPENDENT INTRASTRUCTURE APPARATUS, SYSTEM, AND METHOD FOR ADAPTER CARD FAILOVER	7870275	2011-01-11	10/085965	2002-02-28	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR RECOVERY OF DATA FOR A LOST SECTOR IN A STORAGE SYSTEM	7870417	2011-01-11	11/738142	2007-04-20	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR RECOVERY OF DATA FOR A LOST SECTOR IN A STORAGE SYSTEM	7870464	2011-01-11	10/978389	2004-11-02	GLOBALFOUNDRIES Inc.	Granted
SLACK SENSITIVITY TO PARAMETER VARIATION BASED TIMING ANALYSIS	7870525	2011-01-11	12/122451	2008-05-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR UNFOLDING/REPLICATING LOGIC PATHS TO FACILITATE MODELING OF METASTABLE VALUE PROPAGATION	7870528	2011-01-11	12/168793	2008-07-07	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR USING PARTITIONED MASKS TO BUILD A CHIP	7870531	2011-01-11	12/117841	2008-05-09	GLOBALFOUNDRIES Inc.	Granted
EXTREMELY THIN SILICON-ON-INSULATOR TRANSISTOR WITH RAISED SOURCE/ DRAIN	7871869	2011-01-18	12/543679	2009-08-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING FIN STRUCTURES USING A SACRIFICIAL ETCH STOP LAYER ON BULK SEMICONDUCTOR MATERIAL	7871873	2011-01-18	12/413174	2009-03-27	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES AND METHODS FOR IMPROVING SOLDER BUMP CONNECTIONS IN SEMICONDUCTOR DEVICES	7871919	2011-01-18	12/344802	2008-12-29	GLOBALFOUNDRIES Inc.	Granted
NON-PLASMA CAPPING LAYER FOR INTERCONNECT APPLICATIONS	7871935	2011-01-18	12/108119	2008-04-23	GLOBALFOUNDRIES Inc.	Granted
FINNET WITH LONGITUDINAL STRESS IN A CHANNEL	7872303	2011-01-18	12/191425	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE AND SYSTEM FOR FABRICATING AN INTEGRATED CIRCUIT CHIP	7872310	2011-01-18	12/348344	2009-01-05	GLOBALFOUNDRIES Inc.	Granted
DUAL METAL GATE SELF-ALIGNED INTEGRATION	7872317	2011-01-18	12/508177	2009-07-23	GLOBALFOUNDRIES Inc.	Granted
CARBON NANOTUBE DIODES AND ELECTROSTATIC DISCHARGE CIRCUITS AND METHODS	7872334	2011-01-18	11/744234	2007-05-04	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR SWITCHING SYSTEM FOR SIGNAL MONITORING AND SWITCH-BACK CONTROL	7872692	2011-01-18	12/056795	2008-03-27	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY TERNARY CONTENT ADDRESSABLE MEMORY	7872889	2011-01-18	12/427484	2009-04-21	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE SEMICONDUCTOR DEVICE	7872897	2011-01-18	10/552971	2003-04-30	GLOBALFOUNDRIES Inc.	Granted
DATA DRIVER CIRCUIT FOR A DYNAMIC RANDOM ACCESS MEMORY (DRAM) CONTROLLER OR THE LIKE AND METHOD THEREFOR	7872937	2011-01-18	12/059641	2008-03-31	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE VOLTAGE DIVIDER	7873891	2011-01-18	12/114853	2008-05-05	GLOBALFOUNDRIES Inc.	Granted

REVERSE CONCAENATION FOR PRODUCT CODES	7873894	2011-01-18	11/690635	2007-03-23	GLOBALFOUNDRIES Inc.	Granted
BLEACHABLE MATERIALS FOR LITHOGRAPHY	7875408	2011-01-25	11/698182	2007-01-25	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR CHIPS WITH CRACK STOP REGIONS FOR REDUCING CRACK PROPAGATION FROM CHIP EDGES/CORNERS	7875502	2011-01-25	12/788521	2010-05-27	GLOBALFOUNDRIES Inc.	Granted
CMOS STRUCTURE INCLUDING DIFFERENTIAL CHANNEL STRESSING LAYER COMPOSITIONS	7875511	2011-01-25	11/685458	2007-03-13	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM, PROGRAM PRODUCT FOR BONDING TWO CIRCUITRY-INCLUDING SUBSTRATES AND RELATED STAGE	7875528	2011-01-25	11/672217	2007-02-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR SELF-ALIGNED DEVICE CONTACTS	7875550	2011-01-25	12/110465	2008-04-28	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR ALPHA PARTICLE SENSOR IN SOI TECHNOLOGY AND STRUCTURE THEREOF	7875834	2011-01-25	12/099307	2008-04-08	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE LINKS IN SILICON HETERO-JUNCTION BIPOLAR TRANSISTORS USING CARBON DOPING AND METHOD OF FORMING SAME	7875908	2011-01-25	12/060615	2008-04-01	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH CAPACITOR COMPATIBLE WITH HIGH-K/METAL GATE	7875919	2011-01-25	12/059174	2008-03-31	GLOBALFOUNDRIES Inc.	Granted
VERTICAL PARALLEL PLATE CAPACITOR STRUCTURES	7876547	2011-01-25	11/755502	2007-05-30	GLOBALFOUNDRIES Inc.	Granted
METHOD OF OBTAINING ENHANCED LOCALIZED THERMAL INTERFACE REGIONS BY PARTICLE STACKING	7876565	2011-01-25	12/164576	2008-06-30	GLOBALFOUNDRIES Inc.	Granted
REMOVAL OF RELATIVELY UNIMPORTANT SHAPES FROM A SET OF SHAPES	7876952	2011-01-25	12/175576	2008-07-18	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR A PHASE LOCKED LOOP WITH ADJUSTABLE VOLTAGE BASED ON TEMPERATURE	7877222	2011-01-25	12/128654	2008-05-29	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC SOFTWARE FAULT DIAGNOSIS BY EXPLOITING APPLICATION SIGNATURES	7877642	2011-01-25	12/255937	2008-10-22	GLOBALFOUNDRIES Inc.	Granted
REVERSE CONCAENATION FOR PRODUCT CODES	7877662	2011-01-25	11/690619	2007-03-23	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR AND METHOD OF VERIFYING IC AUTHENTICITY	7877712	2011-01-25	11/744980	2007-05-07	GLOBALFOUNDRIES Inc.	Granted
COMPUTER PROGRAM PRODUCTS FOR DETERMINING STOPPING POWERS OF DESIGN STRUCTURES WITH RESPECT TO A TRAVELING PARTICLE	7877716	2011-01-25	12/111529	2008-04-29	GLOBALFOUNDRIES Inc.	Granted
COMMON CARRIER	7879171	2011-02-01	11/755201	2007-05-30	GLOBALFOUNDRIES Inc.	Granted
COMPLEXES OF CARBON NANOTUBES AND FULLERENES WITH MOLECULAR-CLIPS AND USE THEREOF	7879307	2011-02-01	12/789505	2010-05-28	GLOBALFOUNDRIES Inc.	Granted
EDRAM MEMORY CELL STRUCTURE AND METHOD OF FABRICATING	7879672	2011-02-01	12/390739	2009-02-23	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE COMPRISING AN ELECTRICALLY CONDUCTIVE FEATURE AND METHOD OF FORMING A SEMICONDUCTOR STRUCTURE	7879709	2011-02-01	12/060563	2008-04-01	GLOBALFOUNDRIES Inc.	Granted
METAL SEED LAYER DEPOSITION	7879716	2011-02-01	11/687017	2007-03-16	GLOBALFOUNDRIES Inc.	Granted
FOUR-TERMINAL RECONFIGURABLE DEVICES	7880157	2011-02-01	12/544089	2009-08-19	GLOBALFOUNDRIES Inc.	Granted
CROSS POINT SWITCH USING PHASE CHANGE MATERIAL	7880194	2011-02-01	12/106539	2008-04-21	GLOBALFOUNDRIES Inc.	Granted
PHOTO DETECTOR DEVICE	7880207	2011-02-01	12/350991	2009-01-09	GLOBALFOUNDRIES Inc.	Granted
MAGNETIC MATERIALS HAVING SUPERPARAMAGNETIC PARTICLES	7880208	2011-02-01	10/458112	2003-06-10	GLOBALFOUNDRIES Inc.	Granted
2-T SRAM CELL STRUCTURE AND METHOD	7880238	2011-02-01	12/100441	2008-04-10	GLOBALFOUNDRIES Inc.	Granted
2-T SRAM CELL STRUCTURE AND METHOD	7880238	2011-02-01	12/100441	2008-04-10	GLOBALFOUNDRIES Inc.	Granted
BODY CONTROLLED DOUBLE CHANNEL TRANSISTOR AND CIRCUITS COMPRISING THE SAME	7880239	2011-02-01	12/144281	2008-06-23	GLOBALFOUNDRIES Inc.	Granted
LOW-TEMPERATURE ELECTRICALLY ACTIVATED GATE ELECTRODE AND METHOD OF FABRICATING SAME	7880241	2011-02-01	11/678338	2007-02-23	GLOBALFOUNDRIES Inc.	Granted

TECHNOLOGY FOR FABRICATION OF PACKAGING INTERFACE SUBSTRATE WAFERS WITH FULLY METALLIZED VIAS THROUGH THE SUBSTRATE WAFER	7880305	2011-02-01	10/29/0049	2002-11-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MEASURING AND COMPENSATING FOR STATIC PHASE ERROR IN PHASE LOCKED LOOPS	7880518	2011-02-01	12/543284	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
CODING TECHNIQUES FOR IMPROVING THE SENSE MARGIN IN CONTENT ADDRESSABLE MEMORIES	7881089	2011-02-01	12/392049	2009-02-24	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED DYNAMIC METROLOGY SAMPLING SYSTEM AND METHOD FOR PROCESS CONTROL	7881891	2011-02-01	12/311010	2009-01-09	GLOBALFOUNDRIES Inc.	Granted
VIRTUALIZING AN IOMMU	7882330	2011-02-01	12/562262	2009-09-18	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT AND METHOD USING DISTRIBUTED PHASE CHANGE ELEMENTS FOR ACROSS-CHIP TEMPERATURE PROFILING	7882455	2011-02-01	12/117784	2008-05-09	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECTING (MAPPING) A TWO-DIMENSIONAL OPTOELECTRONIC (OE) DEVICE ARRAY TO A ONE-DIMENSIONAL WAVEGUIDE ARRAY	7883277	2011-02-08	12/117803	2008-05-09	GLOBALFOUNDRIES Inc.	Granted
METHODS OF ION MILLING FOR MAGNETIC HEADS AND SYSTEMS FORMED THEREBY	7883607	2011-02-08	12/193834	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
COMPLEXES OF CARBON NANOTUBES AND FULLERENES WITH MOLECULAR CLIPS AND USE THEREOF	7883685	2011-02-08	12/788486	2010-05-27	GLOBALFOUNDRIES Inc.	Granted
FUNCTIONALIZED CARBOSILANE POLYMERS AND PHOTORESIST COMPOSITIONS CONTAINING THE SAME	7883828	2011-02-08	12/057478	2008-03-28	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DIRECT REFERENCING OF TOP SURFACE OF WORKPIECE DURING IMPRINT LITHOGRAPHY	7883832	2011-02-08	11/028798	2005-01-04	GLOBALFOUNDRIES Inc.	Granted
OPTICAL SENSOR INCLUDING STACKED PHOTSENSITIVE DIODES	7883916	2011-02-08	12/129714	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
NEGATIVE THERMAL EXPANSION SYSTEM (NTES) DEVICE FOR TCE COMPENSATION IN ELASTOMER COMPOSITES AND CONDUCTIVE ELASTOMER INTERCONNECTS IN MICROELECTRONIC PACKAGING	7883919	2011-02-08	11/497903	2009-07-06	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING MEMORY CELLS AND MEMORY DEVICES INCORPORATING THE SAME	7883941	2011-02-08	12/128908	2008-05-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR REDUCING INDUCED MECHANICAL STRESSES	7883948	2011-02-08	12/465817	2009-05-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR SELF-ALIGNED DEVICE CONTACTS	7884396	2011-02-08	12/194563	2008-08-20	GLOBALFOUNDRIES Inc.	Granted
AREA-EFFICIENT GATED DIODE STRUCTURE AND METHOD OF FORMING SAME	7884411	2011-02-08	12/051116	2008-03-19	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE 3D FET STRUCTURES AND METHODS FOR FORMING THE SAME USING PREPERENTIAL CRYSTALLOGRAPHIC ETCHING	7884448	2011-02-08	12/500396	2009-07-09	GLOBALFOUNDRIES Inc.	Granted
HDL DESIGN STRUCTURE FOR INTEGRATING TEST STRUCTURES INTO AN INTEGRATED CIRCUIT DESIGN	7884599	2011-02-08	12/106361	2008-04-21	GLOBALFOUNDRIES Inc.	Granted
HDL DESIGN STRUCTURE FOR INTEGRATING TEST STRUCTURES INTO AN INTEGRATED CIRCUIT DESIGN	7884599	2011-02-08	12/106361	2008-04-21	GLOBALFOUNDRIES Inc.	Granted
MULTI-GIGABIT PER SECOND CONCURRENT ENCRYPTION IN BLOCK CIPHER MODES	7885405	2011-02-08	10/860966	2004-06-04	GLOBALFOUNDRIES Inc.	Granted
CLOSED-LOOP MODELING OF GATE LEAKAGE FOR FAST SIMULATORS	7885798	2011-02-08	11/746976	2007-05-10	GLOBALFOUNDRIES Inc.	Granted
METHOD OF GENERATING A FUNCTIONAL DESIGN STRUCTURE	7886237	2011-02-08	12/135231	2008-06-09	GLOBALFOUNDRIES Inc.	Granted

DRIVING VALUES TO DC ADJUSTED/UNTUNED NETS TO IDENTIFY TIMING PROBLEMS	7886244	2011-02-08	12/271588	2008-11-14	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE CHIP CARRIER SUBSTRATE	7886435	2011-02-15	12/164478	2008-06-30	GLOBALFOUNDRIES Inc.	Granted
RECTILE STORAGE POD (RSP) TRANSPORT SYSTEM UTILIZING FOU P ADAPTER PLATE	7887277	2011-02-15	12/537649	2009-08-07	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ETCHING CHEMICALLY INERT METAL OXIDES	7887711	2011-02-15	10/170914	2002-06-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DETECTING REPEATING DEFECTS IN LITHOGRAPHY MASKS ON THE BASIS OF TEST SUBSTRATES EXPOSED UNDER VARYING CONDITIONS	7887978	2011-02-15	12/113559	2008-05-01	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE VIA STRUCTURE AND METHOD OF FABRICATING SAME	7888164	2011-02-15	12/538120	2009-08-08	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE DEPOSITION OF GERMANIUM SPACERS ON NITRIDE	7888241	2011-02-15	12/135245	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
MOSFET STRUCTURE WITH MULTIPLE SELF-ALIGNED SILICIDE CONTACTS	7888264	2011-02-15	12/814942	2010-06-14	GLOBALFOUNDRIES Inc.	Granted
BAND GAP MODULATED OPTICAL SENSOR	7888266	2011-02-15	12/146560	2008-06-26	GLOBALFOUNDRIES Inc.	Granted
PHOTOSENSITIVE SELF-ASSEMBLED MONOLAYER FOR SELECTIVE PLACEMENT OF HYDROPHILIC STRUCTURES	7888528	2011-02-15	12/538119	2009-08-08	GLOBALFOUNDRIES Inc.	Granted
COILING OF SUBSTRATE USING INTERPOSER CHANNELS	7888603	2011-02-15	12/212925	2008-09-18	GLOBALFOUNDRIES Inc.	Granted
TRENCH CAPACITORS AND MEMORY CELLS USING TRENCH CAPACITORS	7888722	2011-02-15	12/138536	2008-06-13	GLOBALFOUNDRIES Inc.	Granted
SUBSTRATE BACKGATE FOR TRIGATE SET	7888743	2011-02-15	12/099211	2008-04-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURES INCORPORATING MULTIPLE CRYSTALLOGRAPHIC PLANES AND METHODS FOR FABRICATION THEREOF	7888780	2011-02-15	12/688470	2010-01-15	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC MODULE COMPRISING MEMORY AND INTEGRATED CIRCUIT PROCESSOR CHIPS FORMED ON A MICROCHANNEL COOLING DEVICE	7888786	2011-02-15	11/735155	2007-04-13	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DIRECT HEAT SINK ATTACHMENT	7888792	2011-02-15	12/535394	2009-08-04	GLOBALFOUNDRIES Inc.	Granted
DUMMY METAL FILL SHAPES FOR IMPROVED RELIABILITY OF HYBRID OXIDE/LOW-K DIELECTRICS	7888800	2011-02-15	12/256187	2008-10-22	GLOBALFOUNDRIES Inc.	Granted
LOW-VOLTAGE CMOS ERROR AMPLIFIER WITH IMPLICIT REFERENCE	7888998	2011-02-15	12/564570	2009-09-22	GLOBALFOUNDRIES Inc.	Granted
IMMERSION LITHOGRAPHY WITH EQUALIZED PRESSURE ON AT LEAST PROJECTION OPTICS COMPONENT AND WAFER	7889317	2011-02-15	12/051572	2008-03-19	GLOBALFOUNDRIES Inc.	Granted
HYBRID SUPERCONDUCTOR-OPTICAL QUANTUM REPEATER	7889922	2011-02-15	12/563183	2009-09-21	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS FOR STRUCTURAL CLUSTERING OF TIME SEQUENCES	7890294	2011-02-15	12/115166	2008-05-05	GLOBALFOUNDRIES Inc.	Granted
CONSTRAINT PROGRAMMING FOR REDUCTION OF SYSTEM TEST-CONFIGURATION-MATRIX COMPLEXITY	7890803	2011-02-15	12/819786	2010-06-21	GLOBALFOUNDRIES Inc.	Granted
DETECTION AND CORRECTION OF DROPPED WRITE ERRORS IN A DATA STORAGE SYSTEM	7890815	2011-02-15	12/813491	2010-06-10	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR TEST SYSTEM UTILIZING FUNCTIONAL REDUNDANCY	7890831	2011-02-15	12/136458	2008-06-10	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR SEMICONDUCTOR ON-CHIP REPAIR SCHEME FOR NEGATIVE BIAS TEMPERATURE INSTABILITY	7890893	2011-02-15	12/050990	2008-03-19	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR VERIFYING THE EQUIVALENCE OF DIGITAL CIRCUITS	7890901	2011-02-15	11/684899	2007-03-12	GLOBALFOUNDRIES Inc.	Granted
SLEW CONSTRAINED MINIMUM COST BUFFERING	7890905	2011-02-15	12/168153	2008-07-06	GLOBALFOUNDRIES Inc.	Granted
COMPUTER PROGRAM PRODUCT FOR DESIGNING MEMORY CIRCUITS HAVING SINGLE-ENDED MEMORY CELLS WITH IMPROVED READ STABILITY	7890907	2011-02-15	12/174707	2008-07-17	GLOBALFOUNDRIES Inc.	Granted

HYBRID ORIENTATION SUBSTRATE AND METHOD FOR FABRICATION THEREOF	7892899	2011-02-22	12/244944	2008-10-03	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR TRANSISTOR WITH RAISED EXTRINSIC SELF-ALIGNED BASE USING SELECTIVE EPITAXIAL GROWTH FOR BICMOS INTEGRATION	7892910	2011-02-22	11/680163	2007-02-28	GLOBALFOUNDRIES Inc.	Granted
FUSE LINK STRUCTURES USING FILM STRESS FOR PROGRAMMING AND METHODS OF MANUFACTURE	7892926	2011-02-22	12/508962	2009-07-24	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING ASYMMETRIC SPACERS AND METHODS OF FABRICATING SEMICONDUCTOR DEVICE USING ASYMMETRIC SPACERS	7892928	2011-02-22	11/690258	2007-03-23	GLOBALFOUNDRIES Inc.	Granted
NANOWIRE MESH DEVICE AND METHOD OF FABRICATING SAME	7892945	2011-02-22	12/848582	2010-08-02	GLOBALFOUNDRIES Inc.	Granted
OPTICAL SENSOR INCLUDING STACKED PHOTODIODES	7893468	2011-02-22	12/129716	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
DEEP TRENCH IN A SEMICONDUCTOR STRUCTURE	7893479	2011-02-22	12/538193	2009-08-10	GLOBALFOUNDRIES Inc.	Granted
TRENCH MEMORY WITH SELF-ALIGNED STRAP FORMED BY SELF-LIMITING PROCESS	7893480	2011-02-22	12/651608	2010-01-04	GLOBALFOUNDRIES Inc.	Granted
NANOWIRE MESH DEVICE AND METHOD OF FABRICATING SAME	7893492	2011-02-22	12/371943	2009-02-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR SOI BODY CONTACT FET WITH REDUCED PARASITIC CAPACTANCE	7893494	2011-02-22	12/141276	2008-06-18	GLOBALFOUNDRIES Inc.	Granted
ADAPTIVE COMMON MODE BIAS FOR DIFFERENTIAL AMPLIFIER INPUT CIRCUITS	7893766	2011-02-22	12/557139	2009-09-10	GLOBALFOUNDRIES Inc.	Granted
MULTI-LEVEL MEMORY CELL UTILIZING MEASUREMENT TIME DELAY AS THE CHARACTERISTIC PARAMETER FOR LEVEL DEFINITION	7894272	2011-02-22	12/698141	2010-02-02	GLOBALFOUNDRIES Inc.	Granted
HYBRID EVENT PREDICTION AND SYSTEM CONTROL	7895323	2011-02-22	12/267762	2008-11-10	GLOBALFOUNDRIES Inc.	Granted
SCAN CHAIN DIAGNOSTICS USING LOGIC PATHS	7895487	2011-02-22	11/687003	2007-03-16	GLOBALFOUNDRIES Inc.	Granted
TEST PATTERN BASED PROCESS MODEL CALIBRATION	7895547	2011-02-22	12/113374	2008-05-01	GLOBALFOUNDRIES Inc.	Granted
THREE-DIMENSIONAL INTEGRATED CIRCUITS AND TECHNIQUES FOR FABRICATION THEREOF	7897428	2011-03-01	12/131988	2008-06-03	GLOBALFOUNDRIES Inc.	Granted
STRAINED SEMICONDUCTOR-ON-INSULATOR (SSOI) BY A SIMOX METHOD	7897444	2011-03-01	12/363239	2009-01-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR ENCAPSULATING A HIGH-K GATE STACK BY FORMING A LINER AT TWO DIFFERENT PROCESS TEMPERATURES	7897450	2011-03-01	12/355250	2009-01-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CREATING TENSILE STRAIN BY SELECTIVELY APPLYING STRESS MEMORIZATION TECHNIQUES TO NMOS TRANSISTORS	7897451	2011-03-01	12/123524	2008-05-20	GLOBALFOUNDRIES Inc.	Granted
DEVICE HAVING SELF-ALIGNED DOUBLE GATE FORMED BY BACKSIDE ENGINEERING, AND DEVICE HAVING SUPER-STEEP RETROGRADED ISLAND	7897468	2011-03-01	12/556604	2009-09-10	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING A DUAL CONTACT TRENCH CAPACITOR	7897473	2011-03-01	12/181335	2008-07-29	GLOBALFOUNDRIES Inc.	Granted
PREPARATION OF HIGH QUALITY STRAINED-SEMICONDUCTOR DIRECTLY-ON-INSULATOR SUBSTRATES	7897480	2011-03-01	11/738837	2007-04-23	GLOBALFOUNDRIES Inc.	Granted
COMPLIANT PENETRATING PACKAGING INTERCONNECT	7897878	2011-03-01	11/627430	2007-01-26	GLOBALFOUNDRIES Inc.	Granted
CERAMIC SUBSTRATE GRID STRUCTURE FOR THE CREATION OF VIRTUAL COAX ARRANGEMENT	7897879	2011-03-01	12/259811	2008-10-28	GLOBALFOUNDRIES Inc.	Granted
NON-VOLATILE RESISTANCE SWITCHING MEMORY	7897957	2011-03-01	12/541411	2009-08-14	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED NANOTUBE FIELD EFFECT TRANSISTOR	7897960	2011-03-01	12/544412	2009-08-20	GLOBALFOUNDRIES Inc.	Granted
HYBRID STRAINED ORIENTATED SUBSTRATES AND DEVICES	7898003	2011-03-01	12/195456	2008-08-21	GLOBALFOUNDRIES Inc.	Granted
PASSIVE ELECTRICALLY TESTABLE ACCELERATION AND VOLTAGE MEASUREMENT DEVICES	7898045	2011-03-01	12/166623	2008-07-02	GLOBALFOUNDRIES Inc.	Granted

STRUCTURE FOR PERFORMANCE IMPROVEMENT IN VERTICAL BIPOLAR TRANSISTORS	7898061	2011-03-01	11/741436	2007-04-27	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHODS OF PROCESSING FOR SOLDER THERMAL INTERFACE MATERIALS FOR CHIP COOLING	7898076	2011-03-01	11/742161	2007-04-30	GLOBALFOUNDRIES Inc.	Granted
CRITICAL PATH REDUNDANT LOGIC FOR MITIGATION OF HARDWARE ACROSS CHIP VARIATION	7898286	2011-03-01	12/269066	2009-02-11	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR READ/WRITE CONTROL AND BIT SELECTION WITH FALSE READ SUPPRESSION IN AN SRAM	7898843	2011-03-01	12/140561	2008-06-17	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR DIGITAL LOGIC TESTING	7900112	2011-03-01	12/173651	2008-07-15	GLOBALFOUNDRIES Inc.	Granted
OPC MODEL CALIBRATION PROCESS	7900169	2011-03-01	12/249094	2009-01-06	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PRIORITIZING NODES FOR REROUTING AND DEVICE THEREFOR	7900179	2011-03-01	12/127392	2008-05-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR DESIGNING AN ELECTRONIC CIRCUIT	7900182	2011-03-01	12/255819	2008-10-22	GLOBALFOUNDRIES Inc.	Granted
SOLDER INTERCONNECTION ARRAY WITH OPTIMAL MECHANICAL INTEGRITY	7900809	2011-03-08	12/146798	2008-06-26	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED IN-CONTACT PHASE CHANGE MEMORY DEVICE	7901980	2011-03-08	12/537317	2009-08-07	GLOBALFOUNDRIES Inc.	Granted
PACKAGING SUBSTRATE HAVING PATTERN-MATCHED METAL LAYERS	7901998	2011-03-08	12/775970	2010-05-07	GLOBALFOUNDRIES Inc.	Granted
MUGHEI WITH STUB SOURCE AND DRAIN REGIONS	7902000	2011-03-08	12/132865	2008-06-04	GLOBALFOUNDRIES Inc.	Granted
HIGH SPEED LATERAL HETEROJUNCTION MISFETS REALIZED BY 2-DIMENSIONAL BANDGAP ENGINEERING AND METHODS THEREFOR	7902012	2011-03-08	12/534562	2009-08-03	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURES WITH ENCASING CAP AND METHODS OF MAKING THEREOF	7902061	2011-03-08	12/199407	2008-08-27	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT DEVICE WITH DEEP TRENCH ISOLATION REGIONS FOR ALL INTER- WELL AND INTRA- WELL ISOLATION AND WITH A SHARED CONTACT TO A JUNCTION BETWEEN ADJACENT DEVICE DIFFUSION REGIONS AND AN UNDERLYING FLOATING WELL SECTION	7902608	2011-03-08	12/473324	2009-05-28	GLOBALFOUNDRIES Inc.	Granted
SUSPENDED GERMANIUM PHOTODETECTOR FOR SILICON WAVEGUIDE	7902620	2011-03-08	12/191687	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
METAL-GATE THERMOCOUPLE	7902625	2011-03-08	12/106557	2008-04-21	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED BEOL THIN FILM RESISTOR	7902629	2011-03-08	12/271942	2008-11-17	GLOBALFOUNDRIES Inc.	Granted
ULTRAVIOLET ENERGY CURABLE TAPE AND METHOD OF MAKING A SEMICONDUCTOR CHIP USING THE TAPE	7902682	2011-03-08	10/715689	2003-11-18	GLOBALFOUNDRIES Inc.	Granted
TRANSITIONING DIGITAL INTEGRATED CIRCUIT FROM STANDBY MODE TO ACTIVE MODE VIA BACKGATE CHARGE TRANSFER	7902880	2011-03-08	12/844339	2010-07-27	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR ESTIMATING AND/OR PREDICTING POWER CYCLE LENGTH, METHOD OF ESTIMATING AND/OR PREDICTING POWER CYCLE LENGTH AND CIRCUIT THEREOF	7903493	2011-03-08	12/109379	2008-04-25	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR SENSOR REPLICATION FOR ENSEMBLE AVERAGING IN MICRO-ELECTROMECHANICAL SYSTEM (MEMS)	7904185	2011-03-08	12/165134	2008-06-30	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR COUPLED NOISE TIMING VIOLATION AVOIDANCE IN DETAILED ROUTING	7904861	2011-03-08	11/762130	2007-06-13	GLOBALFOUNDRIES Inc.	Granted
SYSTEM-ON-CHIP (SOC), DESIGN STRUCTURE AND METHOD	7904872	2011-03-08	12/125255	2008-05-22	GLOBALFOUNDRIES Inc.	Granted
SYSTEM-ON-CHIP (SOC), DESIGN STRUCTURE AND METHOD	7904873	2011-03-08	12/125269	2008-05-22	GLOBALFOUNDRIES Inc.	Granted

METHOD FOR SELECTIVELY FORMING STRAIN IN A TRANSISTOR BY A STRESS MEMORIZATION TECHNIQUE WITHOUT ADDING ADDITIONAL LITHOGRAPHY STEPS	7906385	2011-03-15	12/179116	2008-07-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FORMING PLANAR ALLOY DEPOSITS ON A SUBSTRATE	7906420	2011-03-15	12/627249	2009-11-30	GLOBALFOUNDRIES Inc.	Granted
MODIFIED VIA BOTTOM STRUCTURE FOR RELIABILITY ENHANCEMENT	7906428	2011-03-15	09/121216	2008-05-15	GLOBALFOUNDRIES Inc.	Granted
PHASE-CHANGE MEMORY CELL AND METHOD OF FABRICATING THE PHASE-CHANGE MEMORY CELL	7910910	2011-03-22	12/276905	2008-11-24	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MEMORY WITH TAPERED HEATER	7910911	2011-03-22	12/511602	2009-07-29	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE	7910996	2011-03-22	12/496133	2009-07-01	GLOBALFOUNDRIES Inc.	Granted
ULTRA-THIN SOI VERTICAL BIPOLAR TRANSISTORS WITH AN INVERSION COLLECTOR ON THIN-BURIED OXIDE (BOX) FOR LOW SUBSTRATE-BIAS OPERATION AND METHODS THEREOF	7911024	2011-03-22	12/707305	2010-02-17	GLOBALFOUNDRIES Inc.	Granted
FUSE/ANTI-FUSE STRUCTURE AND METHODS OF MAKING AND PROGRAMMING SAME	7911025	2011-03-22	12/127080	2008-05-27	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY OPTIMIZED AND STRUCTURALLY PROTECTED VIA STRUCTURE FOR HIGH SPEED SIGNALS	7911049	2011-03-22	12/171602	2008-07-11	GLOBALFOUNDRIES Inc.	Granted
LEAKAGE CURRENT MITIGATION IN A SEMICONDUCTOR DEVICE	7911263	2011-03-22	12/494460	2009-06-30	GLOBALFOUNDRIES Inc.	Granted
REGULATING ELECTRICAL FUSE PROGRAMMING CURRENT	7911820	2011-03-22	12/176543	2008-07-21	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING ENHANCED SRAM STABILITY AND ENHANCED CHIP YIELD WITH CONFIGURABLE WORDLINE VOLTAGE LEVELS	7911827	2011-03-22	12/360242	2009-01-27	GLOBALFOUNDRIES Inc.	Granted
PRINT EVENTS IN THE SIMULATION OF A DIGITAL SYSTEM	7912694	2011-03-22	11/668542	2007-01-30	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR ESTIMATING STORAGE REQUIREMENTS FOR A MULTI-DIMENSIONAL CLUSTERING DATA CONFIGURATION	7912798	2011-03-22	12/209071	2008-09-11	GLOBALFOUNDRIES Inc.	Granted
CACHE RECONFIGURATION BASED ON ANALYZING ONE OR MORE CHARACTERISTICS OF RUN-TIME PERFORMANCE DATA OR SOFTWARE HINT	7913041	2011-03-22	12/130752	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR A DUTY CYCLE CORRECTION CIRCUIT	7913199	2011-03-22	12/128754	2008-05-29	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR ESTIMATING POWER CONSUMPTION OF INTEGRATED CIRCUITRY	7913201	2011-03-22	12/130644	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
PROCESSING FOR OVERCOMING EXTREME TOPOGRAPHY	7915064	2011-03-29	12/538515	2009-08-10	GLOBALFOUNDRIES Inc.	Granted
HYBRID ORIENTATION CMOS WITH PARTIAL INSULATION PROCESS	7915100	2011-03-29	12/246597	2008-10-07	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING AN ON-CHIP HIGH FREQUENCY ELECTRO-STATIC DISCHARGE DEVICE	7915158	2011-03-29	12/144071	2008-06-23	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING SMALL CONTACTS	7915160	2011-03-29	11/625190	2007-01-19	GLOBALFOUNDRIES Inc.	Granted
SICOH FILM PREPARATION USING PRECURSORS WITH BUILT-IN POROGEN FUNCTIONALITY	7915180	2011-03-29	12/423843	2009-04-17	GLOBALFOUNDRIES Inc.	Granted
ON DEMAND CIRCUIT FUNCTION EXECUTION EMPLOYING OPTICAL SENSING	7915571	2011-03-29	12/646292	2009-12-23	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR ON INSULATOR (SOI) DEVICE INCLUDING A DISCHARGE PATH FOR A DECOUPLING CAPACITOR	7915658	2011-03-29	12/727027	2010-03-18	GLOBALFOUNDRIES Inc.	Granted
PRODUCTION OF INTEGRATED CIRCUIT CHIP PACKAGES PROHIBITING FORMATION OF MICRO SOLDER BALLS	7915732	2011-03-29	12/164447	2008-06-30	GLOBALFOUNDRIES Inc.	Granted
IMPORTATION OF VIRTUAL SIGNALS INTO ELECTRONIC TEST EQUIPMENT TO FACILITATE TESTING OF AN ELECTRONIC COMPONENT	7915884	2011-03-29	12/128058	2008-05-28	GLOBALFOUNDRIES Inc.	Granted
MEMORY ELEMENTS AND METHODS OF USING THE SAME	7916531	2011-03-29	12/351872	2009-01-12	GLOBALFOUNDRIES Inc.	Granted

DIAGNOSTIC METHOD AND APPARATUS FOR NON-DESTRUCTIVELY OBSERVING LATCH DATA	7916826	2011-03-29	12/175534	2008-07-18	GLOBALFOUNDRIES Inc.	Granted
PHOTOPATTERNABLE DIELECTRIC MATERIALS FOR BEOL APPLICATIONS AND METHODS FOR USE	7919225	2011-04-05	12/126287	2008-05-23	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FABRICATING P-I-N DIODES, STRUCTURES FOR P-I-N DIODES AND DESIGN STRUCTURE FOR P-I-N DIODES	7919347	2011-04-05	12/349018	2009-01-06	GLOBALFOUNDRIES Inc.	Granted
PARTIALLY DEPLETED SOI FIELD EFFECT TRANSISTOR HAVING A METALLIZED SOURCE SIDE HALO REGION	7919812	2011-04-05	12/554344	2009-09-04	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR BALLAST RESISTOR	7919830	2011-04-05	12/062262	2008-04-03	GLOBALFOUNDRIES Inc.	Granted
DELAY CIRCUIT WITH DELAY EQUAL TO PERCENTAGE OF INPUT PULSE WIDTH	7920003	2011-04-05	12/560593	2009-09-16	GLOBALFOUNDRIES Inc.	Granted
INCREASING EFFECTIVE TRANSISTOR WIDTH IN MEMORY ARRAYS WITH DUAL BITLINES	7920406	2011-04-05	12/180586	2008-07-28	GLOBALFOUNDRIES Inc.	Granted
MEMORY SENSING METHOD AND APPARATUS	7920434	2011-04-05	12/199438	2008-08-27	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR ANALYZING TRANSMISSION LINES WITH DECOUPLING OF CONNECTORS AND OTHER CIRCUIT ELEMENTS	7921004	2011-04-05	12/061269	2008-04-02	GLOBALFOUNDRIES Inc.	Granted
MANAGING A PLURALITY OF PROCESSORS AS DEVICES	7921151	2011-04-05	12/176375	2008-07-19	GLOBALFOUNDRIES Inc.	Granted
COMMUNICATIONS CHANNEL INTERPOSER, METHOD AND PROGRAM PRODUCT FOR VERIFYING INTEGRITY OF UNTRUSTED SUBSYSTEM RESPONSES TO A REQUEST	7921234	2011-04-05	12/407879	2009-03-20	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR INTEGRATED CIRCUIT CLOCK MANAGEMENT USING PULSE SKIPPING	7921318	2011-04-05	11/750284	2007-05-17	GLOBALFOUNDRIES Inc.	Granted
WRITE FILTER CACHE METHOD AND APPARATUS FOR PROTECTING THE MICROPROCESSOR CORE FROM SOFT ERRORS	7921331	2011-04-05	12/138099	2008-06-12	GLOBALFOUNDRIES Inc.	Granted
CONTROLLING IMPEDANCE AND THICKNESS VARIATIONS FOR MULTILAYER ELECTRONIC STRUCTURES	7921403	2011-04-05	12/101455	2008-04-11	GLOBALFOUNDRIES Inc.	Granted
NON-VOLATILE RESISTANCE SWITCHING MEMORY	7923263	2011-04-12	12/540949	2009-08-13	GLOBALFOUNDRIES Inc.	Granted
INCREASING STRESS TRANSFER EFFICIENCY IN A TRANSISTOR BY REDUCING SPACER WIDTH DURING THE DRAIN SOURCE IMPLANTATION SEQUENCE	7923338	2011-04-12	12/271162	2008-11-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING THE COMPOSITION OF A PHOTOVOLTAIC THIN FILM	7923628	2011-04-12	12/556335	2009-09-09	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING MIXED RARE EARTH OXIDE FORMED ON SILICON	7923743	2011-04-12	12/620629	2009-11-18	GLOBALFOUNDRIES Inc.	Granted
PIXEL SENSOR CELL, METHODS AND DESIGN STRUCTURE INCLUDING OPTICALLY TRANSPARENT GATE	7923750	2011-04-12	12/139524	2008-06-16	GLOBALFOUNDRIES Inc.	Granted
HYBRID SOI/ULK SEMICONDUCTOR TRANSISTORS	7923782	2011-04-12	10/708378	2004-02-27	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR HAVING INCREASED CARRIER MOBILITY	7923785	2011-04-12	10/643461	2003-08-18	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR REDUCING CONTACT RESISTANCE BETWEEN SILICIDE CONTACT AND OVERLYING METALLIZATION	7923838	2011-04-12	12/122984	2008-05-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A PORTABLE COMPUTER APPARATUS WITH THERMAL ENHANCEMENTS AND MULTIPLE POWER MODES OF OPERATION	7925813	2011-04-12	12/317691	2008-12-26	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING ENHANCED ARRAY ACCESS TIME TRACKING WITH LOGIC BUILT IN SELF TEST OF DYNAMIC MEMORY AND RANDOM LOGIC	7925950	2011-04-12	12/393156	2009-02-26	GLOBALFOUNDRIES Inc.	Granted
VARIABLE FILL AND CHEESE FOR MITIGATION OF BEOL TOPOGRAPHY	7926006	2011-04-12	11/678163	2007-02-23	GLOBALFOUNDRIES Inc.	Granted

OPTIMIZATION METHOD FOR FRACTIONAL-N PHASED-LOCK-LOOP (PLL) SYSTEM	7926015	2011-04-12	12/176530	2008-07-21	GLOBALFOUNDRIES Inc.	Granted
VARYING CAPACITANCE VOLTAGE CONTRAST STRUCTURES TO DETERMINE DEFECT RESISTANCE	7927895	2011-04-19	12/574118	2009-10-06	GLOBALFOUNDRIES Inc.	Granted
WAFER BONDED ACCESS DEVICE FOR MULTI-LAYER PHASE CHANGE MEMORY USING LOCK-AND-KEY ALIGNMENT	7927911	2011-04-19	12/550014	2009-08-28	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT STRUCTURE, DESIGN STRUCTURE, AND METHOD HAVING IMPROVED ISOLATION AND HARMONICS	7927963	2011-04-19	12/187415	2008-08-07	GLOBALFOUNDRIES Inc.	Granted
DUAL STRESS STI	7927968	2011-04-19	12/125106	2008-05-22	GLOBALFOUNDRIES Inc.	Granted
ADOPTING FEATURE OF BURIED ELECTRICALLY CONDUCTIVE LAYER IN DIELECTRICS FOR ELECTRICAL ANTI-FUSE APPLICATION	7927995	2011-04-19	12/541502	2009-08-14	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT WITH UPSTANDING STYLUS	7928012	2011-04-19	12/510955	2009-07-28	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE TIP STORAGE CELL	7928420	2011-04-19	107/32580	2003-12-10	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING GERMANIUM-ON-INSULATOR SEMICONDUCTOR STRUCTURES USING A POROUS LAYER AND SEMICONDUCTOR STRUCTURES FORMED BY THESE METHODS	7928436	2011-04-19	12/120455	2008-05-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR FORMING STRAINED Si FOR CMOS DEVICES	7928443	2011-04-19	12/685054	2010-01-11	GLOBALFOUNDRIES Inc.	Granted
PROTECTION AGAINST CHARGING DAMAGE IN HYBRID ORIENTATION TRANSISTORS	7928513	2011-04-19	12/317310	2008-12-22	GLOBALFOUNDRIES Inc.	Granted
DELAMINATION AND CRACK RESISTANT IMAGE SENSOR STRUCTURES AND METHODS	7928527	2011-04-19	12/132875	2008-06-04	GLOBALFOUNDRIES Inc.	Granted
SEGMENTATION OF A DIE STACK FOR 3D PACKAGING THERMAL MANAGEMENT	7928562	2011-04-19	12/177194	2008-07-22	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH A HIGH THERMAL DISSIPATION EFFICIENCY	7928565	2011-04-19	12/709674	2010-02-22	GLOBALFOUNDRIES Inc.	Granted
REDUNDANT BARRIER STRUCTURE FOR INTERCONNECT AND WIRING APPLICATIONS, DESIGN STRUCTURE AND METHOD OF MANUFACTURE	7928569	2011-04-19	12/1191543	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED TUNING IN WIDE RANGE MULTI-BAND VCO WITH INTERNAL RESET CONCEPT	7928812	2011-04-19	12/477945	2009-06-04	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR REAL-TIME CONTAMINATION, ENVIRONMENTAL, OR PHYSICAL MONITORING OF A PHOTOMASK	7929117	2011-04-19	12/056047	2008-03-26	GLOBALFOUNDRIES Inc.	Granted
USE OF A SYMMETRIC RESISTIVE MEMORY MATERIAL AS A DIODE TO DRIVE SYMMETRIC OR ASYMMETRIC RESISTIVE MEMORY	7929335	2011-04-19	11/761043	2007-06-11	GLOBALFOUNDRIES Inc.	Granted
MEMORY READING METHOD FOR RESISTANCE DRIFT MITIGATION	7929338	2011-04-19	12/392032	2009-02-24	GLOBALFOUNDRIES Inc.	Granted
OPTICAL COUPLING DEVICE	7929815	2011-04-19	12/546844	2009-08-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR INTEGRATED CIRCUIT FOR MEASURING SET-UP AND HOLD TIMES FOR A LATCH ELEMENT	7930663	2011-04-19	12/111609	2008-04-29	GLOBALFOUNDRIES Inc.	Granted
STAGE MITIGATION OF INTERCONNECT VARIABILITY	7930669	2011-04-19	12/237246	2008-09-24	GLOBALFOUNDRIES Inc.	Granted
INJECTION MOLDED SOLDER METHOD FOR FORMING SOLDER BUMPS ON SUBSTRATES	7931187	2011-04-26	12/269240	2008-11-12	GLOBALFOUNDRIES Inc.	Granted
REDUCED FRICTION MOLDS FOR INJECTION MOLDED SOLDER PROCESSING	7931249	2011-04-26	11/670080	2007-02-01	GLOBALFOUNDRIES Inc.	Granted
LOW-K INTERLEVEL DIELECTRIC MATERIALS AND METHOD OF FORMING LOW-K INTERLEVEL DIELECTRIC LAYERS AND STRUCTURES	7931829	2011-04-26	12/857633	2010-08-17	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT SYSTEM WITH MOS DEVICE	7932103	2011-04-26	11/680568	2007-02-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A SEMICONDUCTOR STRUCTURE	7932134	2011-04-26	12/610563	2009-11-02	GLOBALFOUNDRIES Inc.	Granted

SOURCE/DRAIN JUNCTION FOR HIGH PERFORMANCE MOSFET FORMED BY SELECTIVE EPI PROCESS	7932136	2011-04-26	12/109025	2008-04-24	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR PROTECTING GATE STACKS DURING FABRICATION OF SEMICONDUCTOR DEVICES AND SEMICONDUCTOR DEVICES FABRICATED FROM SUCH METHODS	7932143	2011-04-26	12/604281	2009-10-22	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE AND METHOD OF FORMING THE STRUCTURE	7932144	2011-04-26	12/685027	2010-01-11	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR PERFORMANCE IMPROVEMENT IN VERTICAL BIPOLAR TRANSISTORS	7932155	2011-04-26	11/760288	2007-06-08	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF IMPROVED SOT SUBSTRATES USING BULK SEMICONDUCTOR WAFERS	7932158	2011-04-26	12/254197	2008-10-20	GLOBALFOUNDRIES Inc.	Granted
MICROWAVE READOUT FOR FLUX-BIASED QUBITS	7932514	2011-04-26	12/126015	2008-05-23	GLOBALFOUNDRIES Inc.	Granted
CARBON NANOTUBE CONDUCTOR FOR TRENCH CAPACITORS	7932549	2011-04-26	10/596022	2003-12-18	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURE FOR A SEMICONDUCTOR DEVICE	7932613	2011-04-26	12/413164	2009-03-27	GLOBALFOUNDRIES Inc.	Granted
LOW VOLTAGE HEAD ROOM DETECTION FOR RELIABLE START-UP OF SELF-BIASED ANALOG CIRCUITS	7932641	2011-04-26	11/760856	2007-06-11	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR INTRINSIC RC POWER DISTRIBUTION FOR NOISE FILTERING OF ANALOG SUPPLIES	7932774	2011-04-26	12/053958	2008-03-24	GLOBALFOUNDRIES Inc.	Granted
ELECTRO-OPTICAL MEMORY CELL	7933483	2011-04-26	12/785007	2010-05-21	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR STRUCTURAL CLUSTERING OF TIME SEQUENCES	7933740	2011-04-26	12/550571	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
ACCESS TABLE LOOKUP FOR BUS BRIDGE	7934046	2011-04-26	12/166571	2008-07-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR IMPROVING SRAM CELL STABILITY BY USING BOOSTED WORD LINES	7934181	2011-04-26	12/130472	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
ENHANCED TRANSISTOR PERFORMANCE BY NON-CONFORMAL STRESSED LAYERS	7935588	2011-05-03	11/682554	2007-03-06	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING SEMICONDUCTOR DEVICE HAVING RADIATION HARDENED INSULATORS	7935609	2011-05-03	12/186750	2008-08-06	GLOBALFOUNDRIES Inc.	Granted
LAYER TRANSFER USING BORON-DOPED SIGE LAYER	7935612	2011-05-03	12/700801	2010-02-05	GLOBALFOUNDRIES Inc.	Granted
THREE-DIMENSIONAL SILICON ON OXIDE DEVICE ISOLATION	7935613	2011-05-03	10/596569	2003-12-16	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED BODY CONTACT FOR A SEMICONDUCTOR-ON-INSULATOR TRENCH DEVICE AND METHOD OF FABRICATING SAME	7935998	2011-05-03	12/053692	2008-03-24	GLOBALFOUNDRIES Inc.	Granted
REDUCED FLOATING BODY EFFECT WITHOUT IMPACT ON PERFORMANCE-ENHANCING STRESS	7936017	2011-05-03	12/120836	2008-05-15	GLOBALFOUNDRIES Inc.	Granted
REWORKABLE ELECTRONIC DEVICE ASSEMBLY AND METHOD	7936060	2011-05-03	12/431827	2009-04-29	GLOBALFOUNDRIES Inc.	Granted
BIAS CIRCUIT FOR A MOS DEVICE	7936208	2011-05-03	12/184148	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
CONTACT MICROSCOPE USING POINT SOURCE ILLUMINATION	7936501	2011-05-03	12/059114	2008-03-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR ADDRESSING NON-FUNCTIONAL CONCERNS	7937250	2011-05-03	11/741555	2007-04-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR COMPONENT ASSOCIATION INFERENCE, FAILURE DIAGNOSIS AND MISCONFIGURATION DETECTION BASED ON HISTORICAL FAILURE DATA	7937347	2011-05-03	11/762229	2007-06-13	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR PIPELINE ARCHITECTURE LOGIC STATE RETENTION SYSTEMS AND METHODS	7937560	2011-05-03	12/121292	2008-05-15	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR GENERATING A SKEW SCHEDULE FOR A CLOCK DISTRIBUTED NETWORK CONTAINING GATING ELEMENTS	7937604	2011-05-03	11/737289	2007-04-19	GLOBALFOUNDRIES Inc.	Granted
DISTRIBUTED, FAULT-TOLERANT AND HIGHLY AVAILABLE COMPUTING SYSTEM	7937618	2011-05-03	11/740556	2007-04-26	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE AND APPARATUS FOR A ROBUST EMBEDDED INTERFACE	7937632	2011-05-03	12/144703	2008-06-24	GLOBALFOUNDRIES Inc.	Granted

METHOD OF REMOVING GRAPHITIC AND/OR FLUORINATED ORGANIC LAYERS FROM THE SURFACE OF A CHIP PASSIVATION LAYER HAVING Si-CONTAINING COMPOUNDS	7938976	2011-05-10	11/679247	2007-02-27	GLOBALFOUNDRIES Inc.	Granted
PROCESS OF PATTERNING SMALL SCALE DEVICES	7939247	2011-05-10	12/201993	2008-08-29	GLOBALFOUNDRIES Inc.	Granted
GAP CAPACITORS FOR MONITORING STRESS IN SOLDER BALLS IN FLIP CHIP TECHNOLOGY	7939390	2011-05-10	12/165979	2010-04-23	GLOBALFOUNDRIES Inc.	Granted
HIGH-VOLTAGE SOI MOS DEVICE STRUCTURE AND METHOD OF FABRICATION	7939395	2011-05-10	12/465857	2009-05-14	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR TRANSISTOR AND BACK-GATED TRANSISTOR STRUCTURE AND METHOD	7939417	2011-05-10	12/536636	2009-08-06	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR REVERSING TONE OF PATTERNS ON INTEGRATED CIRCUIT AND STRUCTURAL PROCESS FOR NANOSCALE FABRICATION	7939446	2011-05-10	12/616259	2009-11-11	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY DATA STORAGE MEDIUM, METHOD AND DEVICE	7939620	2011-05-10	12/056477	2008-03-27	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR DEVICE HAVING ASYMMETRIC EMBEDDED STRAIN ELEMENTS AND RELATED MANUFACTURING METHOD	7939852	2011-05-10	12/176835	2008-07-21	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR SYMMETRICAL CAPACITOR	7939910	2011-05-10	12/851814	2010-08-06	GLOBALFOUNDRIES Inc.	Granted
BACK-END-OF-LINE RESISTIVE SEMICONDUCTOR STRUCTURES	7939911	2011-05-10	12/191683	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR NANOWIRE ELECTROMAGNETIC RADIATION SENSOR	7940381	2011-05-10	12/524151	2008-11-26	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR LOW POWER SENSING IN A MULTI-PORT SRAM USING PRE-CHARGED BIT LINES	7940581	2011-05-10	12/861026	2010-08-23	GLOBALFOUNDRIES Inc.	Granted
APPARATUS OF CAPACITY LEARNING FOR COMPUTER SYSTEMS AND APPLICATIONS	7941293	2011-05-10	12/137953	2008-06-12	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR PROVIDING AN IMPROVED STORE-IN-CACHE	7941728	2011-05-10	11/683285	2007-03-07	GLOBALFOUNDRIES Inc.	Granted
SPIN-CURRENT SWITCHED MAGNETIC MEMORY ELEMENT SUITABLE FOR CIRCUIT INTEGRATION AND METHOD OF FABRICATING THE MEMORY ELEMENT	7943399	2011-05-17	12/548428	2009-08-27	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED MILLIMETER WAVE ANTENNA AND TRANSCIEVER ON A SUBSTRATE	7943404	2011-05-17	12/187436	2008-08-07	GLOBALFOUNDRIES Inc.	Granted
SINGLE MASK ADDER PHASE CHANGE MEMORY ELEMENT	7943420	2011-05-17	12/625855	2009-11-25	GLOBALFOUNDRIES Inc.	Granted
BONDED SEMICONDUCTOR SUBSTRATE INCLUDING A COOLING MECHANISM	7943428	2011-05-17	12/543528	2008-12-24	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC JUNCTION FIELD EFFECT TRANSISTOR	7943445	2011-05-17	12/588586	2009-02-19	GLOBALFOUNDRIES Inc.	Granted
DUAL METAL AND DUAL DIELECTRIC INTEGRATION FOR METAL HIGH-K FEETS	7943457	2011-05-17	12/423336	2009-04-14	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR OBTAINING GATE STACKS WITH TUNABLE THRESHOLD VOLTAGE AND SCALING	7943458	2011-05-17	12/574318	2009-10-06	GLOBALFOUNDRIES Inc.	Granted
HIGH-K METAL GATE CMOS	7943460	2011-05-17	12/426457	2009-04-20	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR INCLUDING A HIGH-K METAL GATE ELECTRODE STRUCTURE FORMED PRIOR TO DRAIN/SOURCE REGIONS ON THE BASIS OF A SACRIFICIAL CARBON SPACER	7943462	2011-05-17	12/894579	2010-09-30	GLOBALFOUNDRIES Inc.	Granted
EBRAM INCLUDING METAL PLATES	7943474	2011-05-17	12/291631	2009-02-24	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SEMICONDUCTOR DEVICE HAVING RADIATION HARDENED INSULATORS AND DESIGN STRUCTURE THEREOF	7943482	2011-05-17	12/186762	2008-08-06	GLOBALFOUNDRIES Inc.	Granted
ENHANCEMENT OF ELECTRON AND HOLE MOBILITIES IN <110>-SI UNDER BIAXIAL COMPRESSIVE STRAIN	7943486	2011-05-17	12/115731	2008-05-06	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL FUSE HAVING A FULLY SHIELDED FUSELINK AND ENHANCED FLUX DIVERGENCE	7943493	2011-05-17	12/873882	2010-09-01	GLOBALFOUNDRIES Inc.	Granted

INTEGRATED CIRCUIT WITH UPSTANDING STYLUS FULLY-DEPLETED LOW-BODY DOPING FIELD EFFECT TRANSISTOR (FET) WITH REVERSE SHORT CHANNEL EFFECTS (SCE) INDUCED BY SELF-ALIGNED EDGE BACK-GATE(S)	7943919	2011-05-17	10732379	2003-12-10	GLOBALFOUNDRIES Inc.	Granted
STRESS ENHANCED MOS CIRCUITS	7943999	2011-05-17	12/208196	2008-09-10	GLOBALFOUNDRIES Inc.	Granted
METAL GATE ELECTRODE STABILIZATION BY ALLOYING SPIN-ON ANTIREFLECTIVE COATING FOR INTEGRATION OF PATTERNABLE DIELECTRIC MATERIALS AND INTERCONNECT STRUCTURES	7944006 7944055	2011-05-17 2011-05-17	12/014511 12/772451	2008-01-15 2010-05-03	GLOBALFOUNDRIES Inc. GLOBALFOUNDRIES Inc.	Granted Granted
METHOD AND APPARATUS FOR CALIBRATING INTERNAL PULSES IN AN INTEGRATED CIRCUIT	7944229	2011-05-17	12/543215	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
WEAR REDUCTION METHODS BY USING COMPRESSION/DECOMPRESSION TECHNIQUES WITH FAST RANDOM ACCESS	7944375	2011-05-17	12/476297	2009-06-02	GLOBALFOUNDRIES Inc.	Granted
INTEGRATING NONVOLATILE MEMORY CAPABILITY WITHIN SRAM DEVICES	7944734	2011-05-17	12/631900	2009-12-07	GLOBALFOUNDRIES Inc.	Granted
METHOD TO IMPROVE REQUIREMENTS, DESIGN MANUFACTURING, AND TRANSPORTATION IN MASS MANUFACTURING INDUSTRIES THROUGH ANALYSIS OF DEFECT DATA	7945426	2011-05-17	12/785435	2010-05-22	GLOBALFOUNDRIES Inc.	Granted
HARDWARE SIMULATION ACCELERATOR DESIGN AND METHOD THAT EXPLOITS A PARALLEL STRUCTURE OF USER MODELS TO SUPPORT A LARGER USER MODEL SIZE	7945433	2011-05-17	11/742100	2007-04-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR RATELESS SOURCE CODING WITH/WITHOUT DECODER SIDE INFORMATION	7945842	2011-05-17	11/764876	2007-06-19	GLOBALFOUNDRIES Inc.	Granted
APPARATUS, AND COMPUTER PROGRAM FOR IMPLEMENTING VERTICALLY COUPLED NOISE CONTROL THROUGH A MESH PLANE IN AN ELECTRONIC PACKAGE DESIGN	7945883	2011-05-17	12/172300	2008-07-14	GLOBALFOUNDRIES Inc.	Granted
MODEL-BASED HARDWARE EXERCISER, DEVICE, SYSTEM AND METHOD THEREOF	7945888	2011-05-17	12/038818	2008-02-28	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PROVIDING UNIAXIAL LOAD DISTRIBUTION FOR LAMINATE LAYERS OF MULTILAYER CERAMIC CHIP CARRIERS	7947143	2011-05-24	12/105622	2008-04-18	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR REMOVING BUBBLES FROM A PROCESS LIQUID	7947158	2011-05-24	12/567279	2009-09-25	GLOBALFOUNDRIES Inc.	Granted
FLUORINATED VINYL ETHERS, COPOLYMERS THEREOF, AND USE IN LITHOGRAPHIC PHOTORESIST COMPOSITIONS	7947425	2011-05-24	11/501186	2006-08-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MAKING COPLANAR ISOLATED REGIONS OF DIFFERENT SEMICONDUCTOR MATERIALS ON A SUBSTRATE	7947566	2011-05-24	12/023887	2008-01-31	GLOBALFOUNDRIES Inc.	Granted
ELECTRONICS STRUCTURES USING A SACRIFICIAL MULTILAYER HARDMASK SCHEME	7947907	2011-05-24	12/098895	2008-04-07	GLOBALFOUNDRIES Inc.	Granted
CORE-SHELL NANOWIRE TRANSISTOR	7948050	2011-05-24	11/622358	2007-01-11	GLOBALFOUNDRIES Inc.	Granted
NONLITHOGRAPHIC METHOD TO PRODUCE SELF-ALIGNED MASK, ARTICLES PRODUCED BY SAME AND COMPOSITIONS FOR SAME	7948051	2011-05-24	12/164599	2008-06-30	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT CHIP MODULE WITH MICROCHANNEL COOLING DEVICE HAVING SPECIFIC FLUID CHANNEL ARRANGEMENT	7948077	2011-05-24	12/134883	2008-06-06	GLOBALFOUNDRIES Inc.	Granted
RELIABLE BEOL INTEGRATION PROCESS WITH DIRECT CMP OF POROUS SiCOH DIELECTRIC	7948083	2011-05-24	11/763135	2007-06-14	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHODS TO EXTEND THE SERVICE LIFE OF PORTABLE DEVICES	7948211	2011-05-24	12/105349	2008-04-18	GLOBALFOUNDRIES Inc.	Granted

DUAL DIELECTRIC TRI-GATE FIELD EFFECT TRANSISTOR	7948307	2011-05-24	12/561880	2009-09-17	GLOBALFOUNDRIES Inc.	Granted
HIGH DYNAMIC RANGE IMAGING CELL WITH ELECTRONIC SHUTTER EXTENSIONS	7948535	2011-05-24	11/948463	2007-11-30	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY REFERENCE CLOCK	7948782	2011-05-24	12/549772	2009-08-28	GLOBALFOUNDRIES Inc.	Granted
ADVANCED MEMORY DEVICE HAVING REDUCED POWER AND IMPROVED PERFORMANCE	7948817	2011-05-24	12/394804	2009-02-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF GENERATING PACKETS WITHOUT REPETITION IN VERIFICATION OF A DEVICE	7948902	2011-05-24	10/791914	2004-03-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR ON-THE-FLY MINIMUM POWER STATE TRANSITION	7949971	2011-05-24	11/966493	2007-12-28	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR EXPLOITING ORTHOGONAL CONTROL VECTORS IN TIMING DRIVEN SYNTHESIS	7949972	2011-05-24	12/051268	2008-03-19	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR SYSTEM ARCHITECTURES FOR AND METHODS OF SCHEDULING ON-CHIP AND ACROSS-CHIP NOISE EVENTS IN AN INTEGRATED CIRCUIT	7949978	2011-05-24	11/934804	2007-11-05	GLOBALFOUNDRIES Inc.	Granted
VIA DENSITY CHANGE TO IMPROVE WAFER SURFACE PLANARITY	7949981	2011-05-24	12/183313	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
HIGH TOLERANCE TCR BALANCED HIGH CURRENT RESISTOR FOR RF CMOS AND RF SIGE BICMOS APPLICATIONS AND CAPACITANCE BASED HIERARCHICAL PARAMETERIZED CELL DESIGN KIT WITH TUNABLE TCR AND ESD RESISTOR BALLASTING FEATURE	7949983	2011-05-24	12/234473	2008-09-19	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE PLACEMENT OF CARBON NANOTUBES ON OXIDE SURFACES	7951424	2011-05-31	12/122981	2008-05-19	GLOBALFOUNDRIES Inc.	Granted
LOW OUTGASSING PHOTORESIST COMPOSITIONS	7951525	2011-05-31	12/206065	2008-09-08	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A PLANAR FIELD EFFECT TRANSISTOR WITH EMBEDDED AND FACETED SOURCE/RAIN STRESSORS ON A SILICON-ON-INSULATOR (SOI) WAFER, A PLANAR FIELD EFFECT TRANSISTOR STRUCTURE AND A DESIGN STRUCTURE FOR THE PLANAR FIELD EFFECT TRANSISTOR	7951657	2011-05-31	12/470001	2009-05-21	GLOBALFOUNDRIES Inc.	Granted
DEEP TRENCH CAPACITOR AND METHOD	7951666	2011-05-31	11/872970	2007-10-16	GLOBALFOUNDRIES Inc.	Granted
CORNER ROUNDING IN A REPLACEMENT GATE APPROACH BASED ON A SACRIFICIAL FILL MATERIAL APPLIED PRIOR TO WORK FUNCTION METAL DEPOSITION	7951677	2011-05-31	12/894985	2010-09-30	GLOBALFOUNDRIES Inc.	Granted
METAL-GATE HIGH-K REFERENCE STRUCTURE	7951678	2011-05-31	12/190123	2008-08-12	GLOBALFOUNDRIES Inc.	Granted
MULTILAYERED CAP BARRIER IN MICROELECTRONIC INTERCONNECT STRUCTURES	7951705	2011-05-31	12/143918	2008-06-23	GLOBALFOUNDRIES Inc.	Granted
COPPER INTERCONNECT STRUCTURE WITH AMORPHOUS TANTALUM IRIDIUM DIFFUSION BARRIER	7951708	2011-05-31	12/477399	2009-06-03	GLOBALFOUNDRIES Inc.	Granted
HIGH ASPECT RATIO ELECTROPLATED METAL FEATURE AND METHOD	7951714	2011-05-31	12/706108	2010-02-16	GLOBALFOUNDRIES Inc.	Granted
LATERAL JUNCTION VARACTOR WITH LARGE TUNING RANGE	7952131	2011-05-31	12/819228	2010-06-21	GLOBALFOUNDRIES Inc.	Granted
ANTI-HALO COMPENSATION	7952149	2011-05-31	10/908442	2005-05-12	GLOBALFOUNDRIES Inc.	Granted
HETEROJUNCTION BIPOLAR TRANSISTOR (HBT) WITH SELF-ALIGNED SUB-LITHOGRAPHIC METAL-SEMICONDUCTOR ALLOY BASE CONTACTS	7952165	2011-05-31	11/621864	2007-01-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DEPLOYING A LIQUID METAL THERMAL INTERFACE FOR CHIP COOLING	7952193	2011-05-31	12/261316	2008-10-30	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD FOR SENSING A POSITION OF A PROBE	7952369	2011-05-31	12/544246	2009-08-20	GLOBALFOUNDRIES Inc.	Granted
PLANAR CIRCULARLY POLARIZED ANTENNAS	7952331	2011-05-31	12/031282	2008-02-14	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR PROVIDING ON-DIE TERMINATION OF A CONTROL SIGNAL BUS	7952944	2011-05-31	12/112391	2008-04-30	GLOBALFOUNDRIES Inc.	Granted

METHOD AND SYSTEM FOR INTELLIGENT AUTOMATED RETICLE MANAGEMENT	7953507	2011-05-31	11/669179	2007-01-31	GLOBALFOUNDRIES Inc.	Granted
ENERGY USAGE MONITORING AND BALANCING METHOD AND SYSTEM	7953519	2011-05-31	12/251583	2008-10-15	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND PROGRAM PRODUCT FOR SEQUENTIAL COORDINATION OF EXTERNAL DATABASE APPLICATION EVENTS WITH ASYNCHRONOUS INTERNAL DATABASE EVENTS	7953707	2011-05-31	12/103538	2008-04-15	GLOBALFOUNDRIES Inc.	Granted
SOLID STATE DRIVE WITH FLASH SPARING STRUCTURE FOR REDUNDANCY PROGRAMMING OF A MEMORY DEVICE	7954021	2011-05-31	12/604614	2009-10-23	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR REDUNDANCY PROGRAMMING OF A MEMORY DEVICE	7954028	2011-05-31	12/046508	2008-03-12	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT DESIGN UTILIZING ARRAY OF FUNCTIONALLY INTERCHANGEABLE DYNAMIC LOGIC CELLS	7954077	2011-05-31	12/061155	2008-04-02	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING ENHANCED WIRING CAPABILITY FOR ELECTRONIC LAMINATE PACKAGES	7954081	2011-05-31	12/275248	2008-11-21	GLOBALFOUNDRIES Inc.	Granted
GLASS MOLD POLISHING METHOD AND STRUCTURE	7955160	2011-06-07	12/133315	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
COMPLEXES OF CARBON NANOTUBES AND FULLERENES WITH MOLECULAR-CLIPS AND USE THEREOF	7955585	2011-06-07	12/780029	2010-05-14	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR THREE-DIMENSIONAL CIRCUIT INTEGRATION	7955887	2011-06-07	12/132029	2008-06-03	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE SIZE PACKAGE SOCKET STRAINED ULTRA-THIN SOI TRANSISTOR FORMED BY REPLACEMENT GATE	7955892	2011-06-07	11/944625	2007-11-25	GLOBALFOUNDRIES Inc.	Granted
STRAINED ULTRA-THIN SOI TRANSISTOR FORMED BY REPLACEMENT GATE	7955909	2011-06-07	12/057443	2008-03-28	GLOBALFOUNDRIES Inc.	Granted
FULL SILICIDE GATE FOR CMOS STRUCTURE AND METHOD OF FABRICATING FINFET	7955921	2011-06-07	11/853284	2007-09-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FABRICATING A CARBON NANOTUBE TRANSISTOR	7955928	2011-06-07	12/413836	2009-03-30	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR SUBSTRATE WITH BUILT-IN SUBSTRATE JUNCTION	7955931	2011-06-07	12/272753	2010-03-19	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR SUBSTRATE WITH BUILT-IN SUBSTRATE JUNCTION	7955940	2011-06-07	12/517197	2009-09-01	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR SUBSTRATE WITH A DIFFUSION BARRIER	7955950	2011-06-07	11/874565	2007-10-18	GLOBALFOUNDRIES Inc.	Granted
CRACKSTOP STRUCTURES AND METHODS OF MAKING SAME	7955952	2011-06-07	12/174994	2008-07-17	GLOBALFOUNDRIES Inc.	Granted
USING CRACK ARRESTOR FOR INHIBITING DAMAGE FROM DICING AND CHIP PACKAGING INTERACTION FAILURES IN BACK END OF LINE STRUCTURES	7955955	2011-06-07	11/746684	2007-05-10	GLOBALFOUNDRIES Inc.	Granted
PHOTORESIST TRIMMING PROCESS	7955988	2011-06-07	11/862255	2007-09-27	GLOBALFOUNDRIES Inc.	Granted
LATERAL DIFFUSION FIELD EFFECT TRANSISTOR WITH A TRENCH FIELD PLATE	7956412	2011-06-07	11/950001	2007-12-04	GLOBALFOUNDRIES Inc.	Granted
LARGE GRAIN SIZE CONDUCTIVE STRUCTURE FOR NARROW INTERCONNECT OPENINGS	7956463	2011-06-07	12/560878	2009-09-16	GLOBALFOUNDRIES Inc.	Granted
CHIP-BASED PROBER FOR HIGH FREQUENCY MEASUREMENTS AND METHODS OF MEASURING	7956628	2011-06-07	11/556262	2006-11-03	GLOBALFOUNDRIES Inc.	Granted
HIGH-DENSITY LOW-POWER DATA RETENTION POWER GATING WITH DOUBLE-GATE DEVICES	7956669	2011-06-07	11/106913	2005-04-15	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR NORMALIZING ERROR	7957826	2011-06-07	11/842515	2007-08-21	GLOBALFOUNDRIES Inc.	Granted
COPPER CONTAMINATION DETECTION METHOD AND SYSTEM FOR MONITORING COPPER CONTAMINATION	7957917	2011-06-07	11/863623	2007-09-28	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR A PHASE LOCKED LOOP WITH STABILIZED DYNAMIC RESPONSE	7958469	2011-06-07	12/128678	2008-05-29	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR COUPLE NOISE CHARACTERIZATION USING A SINGLE OSCILLATOR	7958471	2011-06-07	12/193059	2008-08-18	GLOBALFOUNDRIES Inc.	Granted

STRUCTURE, FAILURE ANALYSIS TOOL AND METHOD OF DETERMINING WHITE BUMP LOCATION USING FAILURE ANALYSIS TOOL	7958477	2011-06-07	12/046608	2008-03-12	GLOBALFOUNDRIES Inc.	Granted
STITCHED CIRCUITRY REGION BOUNDARY IDENTIFICATION FOR STITCHED IC CHIP LAYOUT	7958482	2011-06-07	12/112329	2008-04-30	GLOBALFOUNDRIES Inc.	Granted
AFFINITY-BASED CLUSTERING OF VECTORS FOR PARTITIONING THE COLUMNS OF A MATRIX	7958484	2011-06-07	11/836842	2007-08-10	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE AND METHOD OF MANUFACTURING SAME	7960036	2011-06-14	11/831005	2007-07-31	GLOBALFOUNDRIES Inc.	Granted
USE OF MIXED BASES TO ENHANCE PATTERNED RESIST PROFILES ON CHROME OR SENSITIVE SUBSTRATES	7960095	2011-06-14	10/597904	2004-02-11	GLOBALFOUNDRIES Inc.	Granted
SUBLITHOGRAPHIC PATTERNING METHOD INCORPORATING A SELF-ALIGNED SINGLE MASK PROCESS	7960096	2011-06-14	12/028861	2008-02-11	GLOBALFOUNDRIES Inc.	Granted
PORE PHASE CHANGE MATERIAL CELL FABRICATED FROM RECESSED PILLAR	7960203	2011-06-14	12/021577	2008-01-29	GLOBALFOUNDRIES Inc.	Granted
METAL OXIDE SEMICONDUCTOR TRANSISTOR WITH REDUCED GATE HEIGHT, AND RELATED FABRICATION METHODS	7960229	2011-06-14	12/100598	2008-04-10	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR MOSFET WITH REDUCED EXTENSION RESISTANCE	7960237	2011-06-14	09/121922	2008-05-16	GLOBALFOUNDRIES Inc.	Granted
DUAL WIRED INTEGRATED CIRCUIT CHIPS	7960245	2011-06-14	12/029575	2008-02-12	GLOBALFOUNDRIES Inc.	Granted
AMORPHIZATION/TEMPLATED RECRYSTALLIZATION METHOD FOR HYBRID ORIENTATION SUBSTRATES	7960263	2011-06-14	12/767261	2010-04-26	GLOBALFOUNDRIES Inc.	Granted
LITHOGRAPHY FOR PRINTING CONSTANT LINE WIDTH FEATURES	7960264	2011-06-14	12/901148	2010-10-08	GLOBALFOUNDRIES Inc.	Granted
HYDRAZINE-FREE SOLUTION DEPOSITION OF CHALCOGENIDE FILMS	7960726	2011-06-14	12/549287	2009-08-27	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PLANAR DOUBLE-GATE TRANSISTOR STRUCTURE	7960790	2011-06-14	12/119765	2008-05-13	GLOBALFOUNDRIES Inc.	Granted
PARTIALLY AND FULLY SILICDED GATE STACKS	7960795	2011-06-14	12/782388	2010-05-18	GLOBALFOUNDRIES Inc.	Granted
GATE ELECTRODE STRESS CONTROL FOR FINFET PERFORMANCE ENHANCEMENT DESCRIPTION	7960801	2011-06-14	12/695660	2010-01-28	GLOBALFOUNDRIES Inc.	Granted
BFUSE WITH PARTIAL SIGE LAYER AND DESIGN STRUCTURE THEREFOR	7960809	2011-06-14	12/354996	2009-01-16	GLOBALFOUNDRIES Inc.	Granted
METHOD OF AND STRUCTURE FOR RECOVERING GAIN IN A BIPOLAR TRANSISTOR	7961032	2011-06-14	12/627282	2009-11-30	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE DEVICE	7961493	2011-06-14	12/478316	2009-06-04	GLOBALFOUNDRIES Inc.	Granted
DUTY CYCLE MEASUREMENT CIRCUIT FOR MEASURING AND MAINTAINING BALANCED CLOCK DUTY CYCLE	7961559	2011-06-14	12/539633	2009-08-12	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR CORRELATION OF BURST EVENTS AMONG DATA STREAMS	7961631	2011-06-14	12/177379	2008-07-22	GLOBALFOUNDRIES Inc.	Granted
DATA-DEPENDENT JITTER PRE-EMPHASIS FOR HIGH-SPEED SERIAL LINK TRANSMITTERS	7961778	2011-06-14	12/177231	2008-07-22	GLOBALFOUNDRIES Inc.	Granted
COUPLING DEVICE FOR USE IN OPTICAL WAVEGUIDES	7961996	2011-06-14	12/608518	2009-10-29	GLOBALFOUNDRIES Inc.	Granted
MULTIDIMENSIONAL PROCESS WINDOW OPTIMIZATION IN SEMICONDUCTOR MANUFACTURING	7962234	2011-06-14	12/135522	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
PREDICTING WAFER FAILURE USING LEARNED PROBABILITY	7962302	2011-06-14	12/329868	2008-12-08	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR COMPENSATING FOR VARIANCES OF A BURNED RESISTOR IN AN INTEGRATED CIRCUIT	7962322	2011-06-14	12/135232	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PROVIDING CONTEXT SPECIFIC RECIPES IN A SEMICONDUCTOR FACILITY BY DENING PRODUCT CATEGORIES	7962459	2011-06-14	10/745044	2003-12-23	GLOBALFOUNDRIES Inc.	Granted

METHOD AND APPARATUS FOR DECOMPRESSION OF BLOCK COMPRESSED DATA	7962727	2011-06-14	12/329236	2008-12-05	GLOBALFOUNDRIES Inc.	Granted
STATE TESTING DEVICE AND METHODS THEREOF	7962796	2011-06-14	11/941311	2007-11-16	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR EMPLOYING PATTERNING PROCESS STATISTICS FOR GROUND RULES WAIVERS AND OPTIMIZATION	7962865	2011-06-14	12/175097	2008-07-17	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR EVALUATING TIMING IN AN INTEGRATED CIRCUIT	7962874	2011-06-14	12/183549	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
VLSI NETWORK LEGALIZATION FOR HIERARCHICAL DESIGNS WITH MULTIPLE GRID CONSTRAINTS	7962879	2011-06-14	12/183578	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
VIA STRUCTURE TO IMPROVE ROUTING OF WIRES WITHIN AN INTEGRATED CIRCUIT	7962881	2011-06-14	12/181374	2008-07-29	GLOBALFOUNDRIES Inc.	Granted
SELF-LEARNING OF THE OPTIMAL POWER OR PERFORMANCE OPERATING POINT OF A COMPUTER CHIP BASED ON INSTANTANEOUS FEEDBACK OF PRESENT OPERATING ENVIRONMENT	7962887	2011-06-14	12/139928	2008-06-16	GLOBALFOUNDRIES Inc.	Granted
LIMITING GUEST EXECUTION	7962909	2011-06-14	11/066027	2005-02-25	GLOBALFOUNDRIES Inc.	Granted
ENHANCED MAGNETIC PLATING METHOD	7964081	2011-06-21	11/844587	2007-08-24	GLOBALFOUNDRIES Inc.	Granted
FULLY AUTOMATED PASTE DISPENSE PROCESS FOR DISPENSING SMALL DOTS AND LINES	7964237	2011-06-21	10/645384	2003-08-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MANUFACTURING ELECTRONIC INTEGRATED CIRCUIT CHIP	7964444	2011-06-21	11/675445	2007-02-15	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A STRAINED TRANSISTOR BY STRESS MEMORIZATION BASED ON A STRESSED IMPLANTATION MASK	7964458	2011-06-21	11/746106	2007-05-09	GLOBALFOUNDRIES Inc.	Granted
TRANSISTORS HAVING ASYMMETRIC STRAINED SOURCE/DRAIN PORTIONS	7964465	2011-06-21	12/104475	2008-04-17	GLOBALFOUNDRIES Inc.	Granted
FINNET TRANSISTOR AND CIRCUIT	7964466	2011-06-21	12/762427	2010-04-19	GLOBALFOUNDRIES Inc.	Granted
METHOD, STRUCTURE AND DESIGN STRUCTURE FOR CUSTOMIZING HISTORY EFFECTS OF SOI CIRCUITS	7964467	2011-06-21	12/055600	2008-03-26	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING AN INORGANIC NANOCOMPOSITE STRUCTURE TO FACILITATE PLATING INTO HIGH ASPECT RATIO VIAS	7964481	2011-06-21	12/423516	2009-04-14	GLOBALFOUNDRIES Inc.	Granted
ENHANCED THERMO-OXIDATIVE STABILITY THERMAL INTERFACE COMPOSITIONS AND USE THEREOF IN MICROELECTRONICS ASSEMBLY	7964542	2011-06-21	11/330922	2006-01-12	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON ON RELAXED SIGE FILM WITH UNIFORM MISFIT DISLOCATION DENSITY	7964865	2011-06-21	11/048739	2005-02-03	GLOBALFOUNDRIES Inc.	Granted
BURIED CHANNEL MOSFET USING III-V COMPOUND SEMICONDUCTORS AND HIGH K GATE DIELECTRICS	7964896	2011-06-21	12/180927	2008-07-28	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE, DESIGN STRUCTURE AND METHOD OF MANUFACTURING DUAL METAL GATE VT ROLL-UP STRUCTURE	7964922	2011-06-21	12/192517	2008-08-15	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUE FOR ENHANCING TRANSISTOR PERFORMANCE BY TRANSISTOR SPECIFIC CONTACT DESIGN	7964970	2011-06-21	11/964494	2007-12-26	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MEMORY WITH FINITE ANNULAR CONDUCTIVE PATH	7965337	2011-06-21	12/491816	2009-06-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR IMPROVING STORAGE LATCH SUSCEPTIBILITY TO SINGLE EVENT UPSETS	7965540	2011-06-21	12/055509	2008-03-26	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT DESIGN STRUCTURE FOR AN ASYCHRONOUS DATA INTERFACE	7966435	2011-06-21	12/105449	2008-04-18	GLOBALFOUNDRIES Inc.	Granted
DIGITAL RELIABILITY MONITOR HAVING AUTONOMIC REPAIR AND NOTIFICATION CAPABILITY	7966537	2011-06-21	12/479914	2009-06-08	GLOBALFOUNDRIES Inc.	Granted

MULTI-BIT ERROR CORRECTION SCHEME IN MULTI-LEVEL MEMORY STORAGE SYSTEM	7966547	2011-06-21	11/772356	2007-07-02	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR DYNAMIC LATCH STATE SAVING DEVICE AND PROTOCOL	7966589	2011-06-21	12/099423	2008-04-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR ROUTING OF INTEGRATED CIRCUIT DESIGN	7966597	2011-06-21	12/122259	2008-05-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FACILITATING ACCESS TO ELECTRONIC COMPONENTS	7966723	2011-06-28	12/113457	2008-05-01	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR FILTER CONDITIONING PROCESS OF MAKING A SEMICONDUCTOR DEVICE USING MULTIPLE ANTIREFLECTIVE MATERIALS	7967978 7968270	2011-06-28 2011-06-28	11/608863 12/197571	2006-12-11 2008-08-25	GLOBALFOUNDRIES Inc. GLOBALFOUNDRIES Inc.	Granted Granted
METHODS FOR INCORPORATING HIGH DIELECTRIC MATERIALS FOR ENHANCED SRAM OPERATION AND STRUCTURES PRODUCED THEREBY	7968450	2011-06-28	12/543999	2009-08-19	GLOBALFOUNDRIES Inc.	Granted
ION IMPLANTATION COMBINED WITH IN SITU OR EX SITU HEAT TREATMENT FOR IMPROVED FIELD EFFECT TRANSISTORS	7968459	2011-06-28	12/128040	2008-05-28	GLOBALFOUNDRIES Inc.	Granted
BIDIRECTIONAL ELECTROSTATIC DISCHARGE PROTECTION STRUCTURE FOR HIGH VOLTAGE APPLICATIONS	7968908	2011-06-28	12/563610	2009-09-21	GLOBALFOUNDRIES Inc.	Granted
COMPLEMENTARY FIELD EFFECT TRANSISTORS HAVING EMBEDDED SILICON SOURCE AND DRAIN REGIONS	7968910	2011-06-28	12/103301	2008-04-15	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP DECOUPLING CAPACITOR STRUCTURES	7968929	2011-06-28	11/834961	2007-08-07	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT CHIP WITH FETS HAVING MIXED BODY THICKNESSES AND METHOD OF MANUFACTURE THEREOF	7968944	2011-06-28	12/541641	2009-08-14	GLOBALFOUNDRIES Inc.	Granted
HIGHER PERFORMANCE CMOS ON (110) WAFERS	7968946	2011-06-28	12/122227	2008-05-16	GLOBALFOUNDRIES Inc.	Granted
METAL WIRING STRUCTURE FOR INTEGRATION WITH THROUGH SUBSTRATE VIAS	7968975	2011-06-28	12/188234	2008-08-08	GLOBALFOUNDRIES Inc.	Granted
CARBON DIOXIDE GETTERING FOR A CHIP MODULE ASSEMBLY	7968987	2011-06-28	11/968831	2008-01-03	GLOBALFOUNDRIES Inc.	Granted
THERMAL SWITCH FOR INTEGRATED CIRCUITS, DESIGN STRUCTURE, AND METHOD OF SENSING TEMPERATURE	7969228	2011-06-28	12/488821	2009-06-22	GLOBALFOUNDRIES Inc.	Granted
REFLECTIVE PHASE SHIFTER AND METHOD OF PHASE SHIFTING USING A HYBRID COUPLER WITH VERTICAL COUPLING	7969359	2011-06-28	12/348163	2009-01-02	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE VIA DEVICES IN BACK END OF LINE LEVEL	7969770	2011-06-28	11/833321	2007-08-03	GLOBALFOUNDRIES Inc.	Granted
BOOTSTRAP DEVICE AND METHODS THEREOF	7971098	2011-06-28	12/054022	2008-03-24	GLOBALFOUNDRIES Inc.	Granted
MULTI-BIT ERROR CORRECTION SCHEME IN MULTI-LEVEL MEMORY STORAGE SYSTEM	7971123	2011-06-28	11/772347	2007-07-02	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR DISTINGUISHING SINGLE BIT ERRORS IN MEMORY MODULES	7971124	2011-06-28	11/757162	2007-06-01	GLOBALFOUNDRIES Inc.	Granted
VERIFICATION OF SPARE LATCH PLACEMENT IN SYNTHESIZED MACROS	7971162	2011-06-28	12/032841	2008-02-18	GLOBALFOUNDRIES Inc.	Granted
ASSESSING RESOURCES REQUIRED TO COMPLETE A VLSI DESIGN	7971164	2011-06-28	12/100481	2008-04-10	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM, AND PROGRAM PRODUCT FOR AUTOMATED VERIFICATION OF GATING LOGIC USING FORMAL VERIFICATION	7971166	2011-06-28	12/139483	2008-06-15	GLOBALFOUNDRIES Inc.	Granted
VERTICAL BNP TRANSISTOR AND METHOD OF MAKING SAME	7972919	2011-07-05	11/160956	2005-07-18	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING A HYPER-ABRUPT P-N JUNCTION AND DESIGN STRUCTURES FOR AN INTEGRATED CIRCUIT	7989302	2011-08-02	12/795108	2010-06-07	GLOBALFOUNDRIES Inc.	Granted
DOUBLE-SIDED INTEGRATED CIRCUIT CHIPS	7989312	2011-08-02	12/612957	2009-11-05	GLOBALFOUNDRIES Inc.	Granted

PREVENTION OF BACKSIDE CRACKS IN SEMICONDUCTOR CHIPS OR WAFERS USING BACKSIDE FILM OR BACKSIDE WET ETCH MATERIAL FORMED AROUND A PILLAR ARRANGEMENT	7989358	2011-08-02	12/107303	2008-04-22	GLOBALFOUNDRIES Inc.	Granted
NONVOLATILE MEMORY CELL WITH CONCENTRIC PHASE CHANGE MATERIAL FORMED AROUND A PILLAR ARRANGEMENT	7989796	2011-08-02	12/051389	2008-03-19	GLOBALFOUNDRIES Inc.	Granted
DEEP TRENCH CAPACITOR FOR SOI CMOS DEVICES FOR SOFT ERROR IMMUNITY	7989865	2011-08-02	12/200538	2008-08-28	GLOBALFOUNDRIES Inc.	Granted
MOS STRUCTURES WITH REMOTE CONTACTS AND METHODS FOR FABRICATING THE SAME	7989891	2011-08-02	11/755930	2007-05-31	GLOBALFOUNDRIES Inc.	Granted
SOI BODY CONTACT USING E-DRAM TECHNOLOGY	7989893	2011-08-02	12/200482	2008-08-28	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING GATE ELECTRODE HAVING LATERALLY VARIABLE WORK FUNCTION	7989900	2011-08-02	12/544452	2009-08-20	GLOBALFOUNDRIES Inc.	Granted
SCAVENGING METAL STACK FOR A HIGH-K GATE DIELECTRIC	7989902	2011-08-02	12/487248	2009-06-18	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING TAMPER EVIDENT AND RESISTANT DETECTION THROUGH MODULATION OF CAPACITANCE	7989918	2011-08-02	12/59484	2009-01-26	GLOBALFOUNDRIES Inc.	Granted
EFFICIENT RATELESS DISTRIBUTED COMPRESSION OF NON-BINARY SOURCES	7990290	2011-08-02	12/699592	2010-02-03	GLOBALFOUNDRIES Inc.	Granted
DOUBLE-FACE HEAT REMOVAL OF VERTICALLY INTEGRATED CHIP-STACKS UTILIZING COMBINED SYMMETRIC SILICON CARRIER FLUID CAVITY AND MICRO-CHANNEL COLD PLATE	7990711	2011-08-02	12/711455	2010-02-24	GLOBALFOUNDRIES Inc.	Granted
METHOD OF OPERATING A MEMORY CIRCUIT USING MEMORY CELLS WITH INDEPENDENT-GATE CONTROLLED ACCESS DEVICES	7990757	2011-08-02	12/757648	2010-04-09	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED DISASTER RECOVERY PLANNING	7992031	2011-08-02	12/508783	2009-07-24	GLOBALFOUNDRIES Inc.	Granted
MICROJET MODULE ASSEMBLY	7992627	2011-08-09	12/338092	2008-12-18	GLOBALFOUNDRIES Inc.	Granted
ROBUST SELF-ALIGNED PROCESS FOR SUB-65NM CURRENT-PERPENDICULAR JUNCTION PILLARS	7993335	2011-08-09	11/627824	2007-01-26	GLOBALFOUNDRIES Inc.	Granted
CALIXARENE BLENDED MOLECULAR GLASS PHOTORESISTS AND PROCESSES OF USE	7993812	2011-08-09	12/507968	2009-07-23	GLOBALFOUNDRIES Inc.	Granted
SURFACE CLEANING USING SACRIFICIAL GETTER LAYER	7993987	2011-08-09	12/904346	2010-10-14	GLOBALFOUNDRIES Inc.	Granted
VERTICAL SPACER FORMING AND RELATED TRANSISTOR	7993989	2011-08-09	12/540613	2009-08-13	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE CRYSTALLOGRAPHIC ORIENTATION SEMICONDUCTOR STRUCTURES	7993990	2011-08-09	12/757567	2010-04-09	GLOBALFOUNDRIES Inc.	Granted
METAL-GATED MOSFET DEVICES HAVING SCALED GATE STACK THICKNESS INCLUDING GETTERING SPECIES IN A BURIED OXIDE	7993995	2011-08-09	12/652428	2010-01-05	GLOBALFOUNDRIES Inc.	Granted
HIGH-K/METAL GATE CMOS FINFET WITH IMPROVED PDET THRESHOLD VOLTAGE	7993999	2011-08-09	12/614906	2009-11-09	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES HAVING LATTICE-MISMATCHED SINGLE-CRYSTALLINE SEMICONDUCTOR LAYERS ON THE SAME LITHOGRAPHIC LEVEL AND METHODS OF MANUFACTURING THE SAME	7994028	2011-08-09	12/538759	2009-08-10	GLOBALFOUNDRIES Inc.	Granted
METHOD TO REDUCE MOL. DAMAGE ON NISI	7994038	2011-08-09	12/266378	2009-02-05	GLOBALFOUNDRIES Inc.	Granted
DEBRIS MINIMIZATION AND IMPROVED SPATIAL RESOLUTION IN PULSED LASER ABLATION OF MATERIALS	7994450	2011-08-09	10/041328	2002-01-07	GLOBALFOUNDRIES Inc.	Granted
METHOD AND COMPUTER PROGRAM FOR CONTROLLING A STORAGE DEVICE HAVING PER-ELEMENT SELECTABLE POWER SUPPLY VOLTAGES	7995418	2011-08-09	12/399551	2009-03-06	GLOBALFOUNDRIES Inc.	Granted
GILBERT MIXERS WITH IMPROVED ISOLATION	7995983	2011-08-09	12/355547	2009-01-16	GLOBALFOUNDRIES Inc.	Granted
SHARED RESOURCES IN A CHIP MULTIPROCESSOR	7996653	2011-08-09	12/899979	2010-10-07	GLOBALFOUNDRIES Inc.	Granted

MULTI NODAL COMPUTER SYSTEM AND METHOD FOR HANDLING CHECK STOPS IN THE MULTI NODAL COMPUTER SYSTEM	7996715	2011-08-09	12/265137	2008-11-05	GLOBALFOUNDRIES Inc.	Granted
METHODS AND SYSTEMS FOR ON-THE-FLY CHIP VERIFICATION	7996801	2011-08-09	12/188749	2008-08-08	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED TEST WAVEFORM GENERATOR (TWG) AND CUSTOMER WAVEFORM GENERATOR (CWG), DESIGN STRUCTURE AND METHOD	7996807	2011-08-09	12/104461	2008-04-17	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR DESIGNING A LOW LEAKAGE MONOTONIC CMOS LOGIC CIRCUIT	7996810	2011-08-09	12/103038	2008-04-15	GLOBALFOUNDRIES Inc.	Granted
ORIENTING, POSITIONING, AND FORMING NANOSCALE STRUCTURES	7999160	2011-08-16	11/690295	2007-03-23	GLOBALFOUNDRIES Inc.	Granted
HYDRAZINE-FREE SOLUTION DEPOSITION OF CHALCOGENIDE FILMS	7999255	2011-08-16	12/549292	2009-08-27	GLOBALFOUNDRIES Inc.	Granted
SOI RADIO FREQUENCY SWITCH WITH ENHANCED SIGNAL FIDELITY AND ELECTRICAL ISOLATION	7999320	2011-08-16	12/342527	2008-12-23	GLOBALFOUNDRIES Inc.	Granted
OPTOELECTRONIC DEVICE WITH GERMANIUM PHOTODETECTOR	7999344	2011-08-16	12/775084	2010-05-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR ON-CHIP PHASE ERROR MEASUREMENT TO DETERMINE JITTER IN PHASE-LOCKED LOOPS	7999583	2011-08-16	12/543655	2009-08-19	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR ON-CHIP PHASE ERROR MEASUREMENT TO DETERMINE JITTER IN PHASE-LOCKED LOOPS	7999584	2011-08-16	12/543672	2009-08-19	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHODS FOR CONSTRUCTING ANTENNAS USING VIAS AS RADIATING ELEMENTS FORMED IN A SUBSTRATE	7999753	2011-08-16	12/176975	2008-07-21	GLOBALFOUNDRIES Inc.	Granted
WIRELESS MODEM ARCHITECTURE FOR REDUCING MEMORY COMPONENTS	8000735	2011-08-16	11/001491	2004-12-01	GLOBALFOUNDRIES Inc.	Granted
DIAGNOSTIC METHOD FOR ROOT-CAUSE ANALYSIS OF BERT PERFORMANCE VARIATION	8000935	2011-08-16	12/472704	2009-05-27	GLOBALFOUNDRIES Inc.	Granted
SELF-TUNING POWER MANAGEMENT TECHNIQUES	8001405	2011-08-16	12/201821	2008-08-29	GLOBALFOUNDRIES Inc.	Granted
SYNCHRONIZATION DEVICE AND METHODS THEREOF	8001409	2011-08-16	11/750443	2007-05-18	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR FAULT MAPPING OF EXCEPTIONS ACROSS PROGRAMMING MODELS	8001424	2011-08-16	12/704464	2010-02-11	GLOBALFOUNDRIES Inc.	Granted
EFFICIENT METHOD AND COMPUTER PROGRAM FOR MODELING AND IMPROVING STATIC MEMORY PERFORMANCE ACROSS PROCESS VARIATIONS AND ENVIRONMENTAL CONDITIONS	8001493	2011-08-16	12/199161	2008-08-27	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CIRCUIT DESIGN	8001501	2011-08-16	12/122785	2008-05-19	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR CONTROLLING POSITION OF CHARGED POLYMER INSIDE NANOPOROSEQUENCING	8003319	2011-08-23	11/670621	2007-02-02	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PROCESS FOR NANOTUBE/NANOWIRE FEES	8003453	2011-08-23	12/125501	2008-05-22	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE, DESIGN STRUCTURE AND METHOD OF MANUFACTURING DUAL METAL GATE VT ROLL-UP STRUCTURE	8003463	2011-08-23	12/192491	2008-08-15	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR TRANSISTOR WITH SILICIDED SUB-COLLECTOR	8003473	2011-08-23	12/557557	2009-09-11	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY PROGRAMMABLE FUSE AND FABRICATION METHOD	8003474	2011-08-23	12/192387	2008-08-15	GLOBALFOUNDRIES Inc.	Granted
PLATING SEED LAYER INCLUDING AN OXYGEN/NITROGEN TRANSITION REGION FOR BARRIER ENHANCEMENT	8003524	2011-08-23	12/177309	2008-07-22	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR	8004024	2011-08-23	12/348404	2009-01-05	GLOBALFOUNDRIES Inc.	Granted

CARRIER WAFER HAVING ALIGNMENT KEYS AND SUPPORTING A CHIP	8004097	2011-08-23	12/244503	2008-10-02	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC CIRCUIT FOR MEASUREMENT OF TRANSISTOR VARIABILITY AND THE LIKE	8004305	2011-08-23	12/542184	2009-08-17	GLOBALFOUNDRIES Inc.	Granted
SMALL-AREA DIGITAL TO ANALOG CONVERTER BASED ON MASTER-SLAVE CONFIGURATION	8004441	2011-08-23	12/272024	2010-03-18	GLOBALFOUNDRIES Inc.	Granted
VARIABLE FLOW COMPUTER COOLING SYSTEM FOR A DATA CENTER AND METHOD OF OPERATION	8004832	2011-08-23	12/793905	2010-06-04	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS OF WATER COOLING SEVERAL PARALLEL CIRCUIT CARDS EACH CONTAINING SEVERAL CHIP PACKAGES	8004841	2011-08-23	12/115618	2008-05-06	GLOBALFOUNDRIES Inc.	Granted
ITERATIVE WRITE PAUSING TECHNIQUES TO IMPROVE READ LATENCY OF MEMORY SYSTEMS	8004884	2011-08-23	12/533548	2009-07-31	GLOBALFOUNDRIES Inc.	Granted
REDUCING COUPLING BETWEEN WIRES OF AN ELECTRONIC CIRCUIT	8006208	2011-08-23	12/781851	2010-05-18	GLOBALFOUNDRIES Inc.	Granted
IC CHIP AND DESIGN STRUCTURE INCLUDING STITCHED CIRCUITRY REGION BOUNDARY IDENTIFICATION	8006211	2011-08-23	12/112336	2008-04-30	GLOBALFOUNDRIES Inc.	Granted
EXTREMELY THIN SEMICONDUCTOR ON INSULATOR SEMICONDUCTOR DEVICE WITH SUPPRESSED DOPANT SEGREGATION	8008138	2011-08-30	12/627424	2009-11-30	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED SCHOTTKY DIODE	8008142	2011-08-30	12/538213	2009-08-10	GLOBALFOUNDRIES Inc.	Granted
BAND GAP MODULATED OPTICAL SENSOR	8008696	2011-08-30	12/146575	2008-06-26	GLOBALFOUNDRIES Inc.	Granted
VERTICAL SOI TRENCH SONOS CELL	8008713	2011-08-30	12/410935	2009-03-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO ENHANCE BOTH NET AND PEET PERFORMANCE USING DIFFERENT KINDS OF STRESSED LAYERS	8008724	2011-08-30	10/695748	2003-10-30	GLOBALFOUNDRIES Inc.	Granted
DEEP TRENCH VARACTORS	8008748	2011-08-30	12/342609	2008-12-23	GLOBALFOUNDRIES Inc.	Granted
BRIDGES FOR INTERCONNECTING INTERPOSERS IN MULTI-CHIP INTEGRATED CIRCUITS	8008764	2011-08-30	12/110579	2008-04-28	GLOBALFOUNDRIES Inc.	Granted
PIXEL SENSOR CELL WITH FRAME STORAGE CAPABILITY	8009215	2011-08-30	12/174264	2008-07-16	GLOBALFOUNDRIES Inc.	Granted
PIXEL SENSOR CELL WITH FRAME STORAGE CAPABILITY	8009216	2011-08-30	12/174289	2008-07-16	GLOBALFOUNDRIES Inc.	Granted
IMMERSION OPTICAL LITHOGRAPHY SYSTEM HAVING PROTECTIVE OPTICAL COATING	8009268	2011-08-30	12/154003	2008-05-19	GLOBALFOUNDRIES Inc.	Granted
IN-DIE FOCUS MONITORING WITH BINARY MASK	8009274	2011-08-30	12/167808	2008-07-03	GLOBALFOUNDRIES Inc.	Granted
ISOLATING FAULTY DECOUPLING CAPACITORS	8009398	2011-08-30	12/478472	2009-06-04	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR DATA CENTER COOLING	8009430	2011-08-30	11/750322	2007-05-17	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR IMPLEMENTING AN IRC ACROSS MULTIPLE NETWORK DEVICES	8009584	2011-08-30	09/877120	2001-06-11	GLOBALFOUNDRIES Inc.	Granted
COMPUTATIONAL DEVICE POWER-SAVING	8010815	2011-08-30	12/113663	2008-05-01	GLOBALFOUNDRIES Inc.	Granted
GRID-BASED FRAGMENTATION FOR OPTICAL PROXIMITY CORRECTION IN PHOTOLITHOGRAPHY MASK APPLICATIONS	8010915	2011-08-30	12/170988	2008-07-10	GLOBALFOUNDRIES Inc.	Granted
TEST YIELD ESTIMATE FOR SEMICONDUCTOR PRODUCTS CREATED FROM A LIBRARY	8010916	2011-08-30	12/062586	2008-04-04	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR STATISTICAL TIMING ANALYSIS OF DIGITAL CIRCUITS	8010921	2011-08-30	12/209461	2008-09-12	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR PLACEMENT OF ELECTRIC CIRCUIT COMPONENTS IN INTEGRATED CIRCUIT DESIGN	8010925	2011-08-30	12/121397	2008-05-15	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR A STACKED POWER CLAMP HAVING A BIGGET GATE PULL-UP CIRCUIT	8010927	2011-08-30	12/127245	2008-05-27	GLOBALFOUNDRIES Inc.	Granted
EXTRACTING CONSISTENT COMPACT MODEL PARAMETERS FOR RELATED DEVICES	8010930	2011-08-30	12/344724	2008-12-29	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR AUTOMATED TRANSISTOR TUNING IN AN INTEGRATED CIRCUIT DESIGN	8010932	2011-08-30	12/130476	2008-05-30	GLOBALFOUNDRIES Inc.	Granted

METHOD AND SYSTEM FOR TESTING BIT FAILURES IN ARRAY ELEMENTS OF AN ELECTRONIC CIRCUIT	8010934	2011-08-30	12/127900	2008-05-28	GLOBALFOUNDRIES Inc.	Granted
COMPOSITE MEMBRANES WITH PERFORMANCE ENHANCING LAYERS AND SOLDER COOLING	8011517	2011-09-06	12/624633	2009-11-24	GLOBALFOUNDRIES Inc.	Granted
COMPLIANT MOLD FILL HEAD WITH INTEGRATED CAVITY VENTING	8011563	2011-09-06	11/696753	2007-04-05	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL MECHANICAL POLISHING STOP LAYER FOR FULLY AMORPHOUS PHASE CHANGE MEMORY PORE CELL	8012790	2011-09-06	12/550062	2009-08-28	GLOBALFOUNDRIES Inc.	Granted
NONVOLATILE MEMORY CELL COMPRISING A CHALCOGENIDE AND A TRANSITION METAL OXIDE	8012793	2011-09-06	12/509889	2009-07-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A HIGH PERFORMANCE FET AND A HIGH VOLTAGE FET ON A SOI SUBSTRATE	8012814	2011-09-06	12/188366	2008-08-08	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO FORM DUAL SILICIDE E-FUSE	8013419	2011-09-06	12/136246	2008-06-10	GLOBALFOUNDRIES Inc.	Granted
FIELD-BASED SIMILARITY SEARCH SYSTEM AND METHOD	8014990	2011-09-06	12/544889	2009-08-20	GLOBALFOUNDRIES Inc.	Granted
METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR PRODUCT RANDOMIZATION AND ANALYSIS IN A MANUFACTURING ENVIRONMENT	8015040	2011-09-06	11/668731	2007-01-30	GLOBALFOUNDRIES Inc.	Granted
RANDOM PERSONALIZATION OF CHIPS DURING FABRICATION	8015514	2011-09-06	12/344725	2008-12-29	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES FOR ELECTROSTATIC DISCHARGE PROTECTION FOR BIPOLAR SEMICONDUCTOR CIRCUITRY	8015518	2011-09-06	12/108165	2008-04-23	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR ACCOMMODATING NON-GAUSSIAN AND NON-LINEAR SOURCES OF VARIATION IN STATISTICAL STATIC TIMING ANALYSIS	8015525	2011-09-06	12/114203	2008-05-02	GLOBALFOUNDRIES Inc.	Granted
STATIC TIMING SLACKS ANALYSIS AND MODIFICATION	8015526	2011-09-06	12/138871	2008-06-13	GLOBALFOUNDRIES Inc.	Granted
DEPOSITION OF AMORPHOUS PHASE CHANGE MATERIAL	8017432	2011-09-13	12/684185	2010-01-08	GLOBALFOUNDRIES Inc.	Granted
POST DEPOSITION METHOD FOR REGROWTH OF CRYSTALLINE PHASE CHANGE MATERIAL	8017433	2011-09-13	12/702406	2010-02-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CREATING ASYMMETRIC FIELD-EFFECT-TRANSISTORS	8017483	2011-09-13	12/493549	2009-06-29	GLOBALFOUNDRIES Inc.	Granted
STRAINED SI MOSFET ON TENSILE-STRAINED SIGE-ON-INSULATOR (SGOI)	8017499	2011-09-13	12/125175	2008-05-22	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR HAVING A HIGH-K METAL GATE STACK AND A COMPRESSIVELY STRESSED CHANNEL	8017504	2011-09-13	12/552548	2009-09-02	GLOBALFOUNDRIES Inc.	Granted
OPTICALLY TRANSPARENT WIRES FOR SECURE CIRCUITS AND METHODS OF MAKING SAME	8017514	2011-09-13	12/115056	2008-05-05	GLOBALFOUNDRIES Inc.	Granted
MECHANICALLY ROBUST METALLOW-KAPPA INTERCONNECTS	8017522	2011-09-13	11/626550	2007-01-24	GLOBALFOUNDRIES Inc.	Granted
VERTICAL METAL-INSULATOR-METAL (MIM) CAPACITOR USING GATE STACK, GATE SPACER AND CONTACT VIA	8017997	2011-09-13	12/344697	2008-12-29	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE FLOATING BODY SRAM CELL	8018007	2011-09-13	12/505824	2009-07-20	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT HARD MASK PROCESSING SYSTEM	8018061	2011-09-13	12/567490	2009-09-25	GLOBALFOUNDRIES Inc.	Granted
INDUCTOR AND METHOD OF OPERATING AN INDUCTOR BY COMBINING PRIMARY AND SECONDARY COILS WITH COUPLING STRUCTURES	8018312	2011-09-13	12/369036	2009-02-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PACKAGING AN INTEGRATED CHIP AND ANTENNA	8018384	2011-09-13	12/130562	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR MULTIPLE PASS EXTENDED PRECISION FLOATING POINT MULTIPLICATION	8019805	2011-09-13	10/730800	2003-12-09	GLOBALFOUNDRIES Inc.	Granted
MEMORY CONTROLLER INCLUDING A DUAL-MODE MEMORY INTERCONNECT	8019907	2011-09-13	12/753373	2010-04-02	GLOBALFOUNDRIES Inc.	Granted
INTELLIGENT MEMORY BUFFER	8019921	2011-09-13	12/271213	2008-11-14	GLOBALFOUNDRIES Inc.	Granted
SCALING OF BIPOLAR TRANSISTORS	8020128	2011-09-13	12/493383	2009-06-29	GLOBALFOUNDRIES Inc.	Granted

VOLTAGE ISLAND PERFORMANCE/LEAKAGE SCREEN MONITOR FOR IP CHARACTERIZATION	8020138	2011-09-13	12/131476	2008-06-02	GLOBALFOUNDRIES Inc.	Granted
COMMON CARRIER	8020599	2011-09-20	11/753874	2007-05-25	GLOBALFOUNDRIES Inc.	Granted
FILM HAVING ALTERNATING MONOLAYERS OF A METAL-METAL BONDED COMPLEX MONOLAYER AND AN ORGANIC MONOLAYER BY LAYER-B-Y-LAYER GROWTH	8021753	2011-09-20	12/179846	2008-07-25	GLOBALFOUNDRIES Inc.	Granted
MULTI-CHIP RETICLE PHOTOMASKS	8021803	2011-09-20	12/483414	2009-06-12	GLOBALFOUNDRIES Inc.	Granted
BIAS-CONTROLLED DEEP TRENCH SUBSTRATE NOISE ISOLATION INTEGRATED CIRCUIT DEVICE STRUCTURES	8021941	2011-09-20	12/566270	2009-07-21	GLOBALFOUNDRIES Inc.	Granted
SIMULTANEOUSLY FORMED ISOLATION TRENCH AND THROUGH-BOX CONTACT FOR SILICON-ON-INSULATOR TECHNOLOGY	8021943	2011-09-20	12/625701	2009-11-25	GLOBALFOUNDRIES Inc.	Granted
BOTTLE-SHAPED TRENCH CAPACITOR WITH ENHANCED CAPACTANCE	8021945	2011-09-20	12/423242	2009-04-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR FORMING FINFETS WITH MULTIPLE DOPING REGIONS ON A SAME CHIP	8021949	2011-09-20	12/628663	2009-12-01	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO FORM A THERMALLY STABLE SILICIDE IN NARROW DIMENSION GATE STACKS	8021971	2011-09-20	12/611946	2009-11-04	GLOBALFOUNDRIES Inc.	Granted
HIGH-PERFORMANCE PETS WITH EMBEDDED STRESSORS	8022488	2011-09-20	12/566004	2009-09-24	GLOBALFOUNDRIES Inc.	Granted
UNDERBUMP METALLURGY FOR ENHANCED ELECTROMIGRATION RESISTANCE	8022543	2011-09-20	12/054713	2008-03-25	GLOBALFOUNDRIES Inc.	Granted
DIELECTRIC BREAKDOWN LIFETIME ENHANCEMENT USING ALTERNATING CURRENT (AC) CAPACTANCE	8022716	2011-09-20	12/506837	2009-07-21	GLOBALFOUNDRIES Inc.	Granted
TEST METHOD FOR DETERMINING RETICLE TRANSMISSION STABILITY	8023102	2011-09-20	12/103311	2008-04-18	GLOBALFOUNDRIES Inc.	Granted
ITERATIVELY WRITING CONTENTS TO MEMORY LOCATIONS USING A STATISTICAL MODEL	8023345	2011-09-20	12/291693	2009-02-24	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR PROVIDING A NON-POWER-OF-TWO BURST LENGTH IN A MEMORY SYSTEM	8023358	2011-09-20	12/061045	2008-04-02	GLOBALFOUNDRIES Inc.	Granted
SYSTEM, METHOD, AND SERVICE FOR TRACING TRAITORS FROM CONTENT PROTECTION CIRCUMVENTION DEVICES	8023655	2011-09-20	12/134113	2008-06-05	GLOBALFOUNDRIES Inc.	Granted
MOMENT ANALYSIS OF TERTIARY PROTEIN STRUCTURES	8024126	2011-09-20	10/616880	2003-07-10	GLOBALFOUNDRIES Inc.	Granted
DETECTING X STATE TRANSITIONS AND STORING COMPRESSED DEBUG INFORMATION	8024168	2011-09-20	12/138332	2008-06-13	GLOBALFOUNDRIES Inc.	Granted
TESTING SUB-SYSTEMS OF A SYSTEM-ON-A-CHIP USING A CONFIGURABLE EXTERNAL SYSTEM-ON-A-CHIP	8024699	2011-09-20	12/195716	2008-08-21	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE ETCH OF TiW FOR CAPTURE PAD FORMATION	8025812	2011-09-27	11/741017	2007-04-27	GLOBALFOUNDRIES Inc.	Granted
SOI RADIO FREQUENCY SWITCH FOR REDUCING HIGH FREQUENCY HARMONICS	8026131	2011-09-27	12/342488	2008-12-23	GLOBALFOUNDRIES Inc.	Granted
POLYHEDRAL OLIGOMERIC SILSESQUOXANE BASED IMPRINT MATERIALS AND IMPRINT PROCESS USING POLYHEDRAL OLIGOMERIC SILSESQUOXANE BASED IMPRINT MATERIALS	8026293	2011-09-27	12/053893	2008-03-24	GLOBALFOUNDRIES Inc.	Granted
SOLAR CONCENTRATION SYSTEM	8026439	2011-09-27	12/622504	2009-11-20	GLOBALFOUNDRIES Inc.	Granted
METAL OXIDE SEMICONDUCTOR DEVICES HAVING DOPED SILICON-COMPROMISING CAPPING LAYERS AND METHODS FOR FABRICATING THE SAME	8026539	2011-09-27	12/388094	2009-02-18	GLOBALFOUNDRIES Inc.	Granted
ULTRA-SENSITIVE DETECTION TECHNIQUES	8026560	2011-09-27	12/837119	2010-07-15	GLOBALFOUNDRIES Inc.	Granted
CONTACT MICROSCOPE USING POINT SOURCE ILLUMINATION	8027083	2011-09-27	11/737879	2007-04-20	GLOBALFOUNDRIES Inc.	Granted
LEAKAGE COMPENSATED REFERENCE VOLTAGE GENERATION SYSTEM	8027207	2011-09-27	12/639454	2009-12-16	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR DETERMINING A SWITCHING HISTORY TIME CONSTANT IN AN INTEGRATED CIRCUIT DEVICE	8027797	2011-09-27	12/110639	2008-04-28	GLOBALFOUNDRIES Inc.	Granted

EXECUTING AN OVERALL QUANTITY OF DATA PROCESSING WITHIN AN OVERALL PROCESSING PERIOD	8027805	2011-09-27	12/349877	2009-01-07	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR TESTING AN OPERATION OF INTEGRATED CIRCUITRY	8027825	2011-09-27	12/130675	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
CONSTRUCTING A COMPREHENSIVE SUMMARY OF AN EVENT SEQUENCE	8027949	2011-09-27	12/174407	2008-07-16	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR INDICATING STATUS OF AN ON-CHIP POWER SUPPLY SYSTEM	8028195	2011-09-27	12/114070	2008-05-02	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR DATA BUS BANDWIDTH SCHEDULING IN AN FBDDMM MEMORY SYSTEM OPERATING IN VARIABLE LATENCY MODE	8028257	2011-09-27	12/110765	2008-04-28	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR IMPROVED PLACEMENT IN CUSTOM VLSI CIRCUIT DESIGN WITH SCHEMATIC-DRIVEN PLACEMENT	8028265	2011-09-27	12/183898	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR AUTOMATED PLACEMENT IN CUSTOM VLSI CIRCUIT DESIGN WITH SCHEMATIC-DRIVEN PLACEMENT	8028266	2011-09-27	12/183958	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
PROGRAM PRODUCT PROVIDING A CONFIGURATION SPECIFICATION LANGUAGE HAVING CLONE LATCH SUPPORT	8028273	2011-09-27	12/106053	2008-04-18	GLOBALFOUNDRIES Inc.	Granted
MITIGATING HEAT IN AN INTEGRATED CIRCUIT	8028531	2011-10-04	12/537135	2009-08-06	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD FOR PROVIDING AN INTEGRATED CIRCUIT WITH A UNIQUE IDENTIFICATION	8028924	2011-10-04	12/560031	2009-09-15	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR THERMAL CHARACTERIZATION UNDER NON-UNIFORM HEAT LOAD	8029186	2011-10-04	10/982575	2004-11-05	GLOBALFOUNDRIES Inc.	Granted
FUSED AROMATIC STRUCTURES AND METHODS FOR PHOTOLITHOGRAPHIC APPLICATIONS	8029975	2011-10-04	12/508652	2009-07-24	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MEMORY DEVICE WITH PLATED PHASE CHANGE MATERIAL	8030130	2011-10-04	12/541595	2009-08-14	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH STRESSED FIN SECTIONS, AND RELATED FABRICATION METHODS	8030144	2011-10-04	12/576987	2009-10-09	GLOBALFOUNDRIES Inc.	Granted
BACK-GATED FULLY DEPLETED SOI TRANSISTOR	8030145	2011-10-04	12/684225	2010-01-08	GLOBALFOUNDRIES Inc.	Granted
TEMPORARY ETCHABLE LINER FOR FORMING AIR GAP	8030202	2011-10-04	12/864831	2010-12-10	GLOBALFOUNDRIES Inc.	Granted
ENHANCING STRUCTURAL INTEGRITY OF LOW-K DIELECTRICS IN METALLIZATION SYSTEMS OF SEMICONDUCTOR DEVICES BY USING A CRACK SUPPRESSING MATERIAL LAYER	8030209	2011-10-04	12/507299	2009-07-22	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED CMOS STRUCTURE WITH DUAL WORKFUNCTION	8030716	2011-10-04	12/883874	2010-09-16	GLOBALFOUNDRIES Inc.	Granted
FIN ANTI-FUSE WITH REDUCED PROGRAMMING VOLTAGE	8030736	2011-10-04	12/538381	2009-08-10	GLOBALFOUNDRIES Inc.	Granted
HIGH-DENSITY LOGIC TECHNIQUES WITH REDUCED-STACK MULTI-GATE FIELD EFFECT TRANSISTORS	8030971	2011-10-04	12/102097	2008-04-14	GLOBALFOUNDRIES Inc.	Granted
EFFICIENT METHODOLOGY FOR THE ACCURATE GENERATION OF CUSTOMIZED COMPACT MODEL PARAMETERS FROM ELECTRICAL TEST DATA	8032349	2011-10-04	11/626915	2007-01-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR MANUFACTURING ASYMMETRIC DEVICES	8034692	2011-10-11	12/581924	2009-10-20	GLOBALFOUNDRIES Inc.	Granted
BI-LAYER NEET EMBEDDED STRESSOR ELEMENT AND INTEGRATION TO ENHANCE DRIVE CURRENT	8035141	2011-10-11	12/607104	2009-10-28	GLOBALFOUNDRIES Inc.	Granted
CMOS TRANSISTORS WITH DIFFERENTIAL OXYGEN CONTENT HIGH-K DIELECTRICS	8035173	2011-10-11	12/712371	2010-02-25	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES	8035190	2011-10-11	12/725792	2010-03-17	GLOBALFOUNDRIES Inc.	Granted
NEUTRALIZATION OF TRAPPED CHARGE IN A CHARGE ACCUMULATION LAYER OF A SEMICONDUCTOR STRUCTURE	8035200	2011-10-11	12/792837	2010-06-03	GLOBALFOUNDRIES Inc.	Granted

HIGH-DENSITY 3-DIMENSIONAL RESISTORS	8035228	2011-10-11	12/367951	2009-02-09	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD IMPLEMENTING SHORT-PULSE PROPAGATION TECHNIQUE ON PRODUCTION-LEVEL BOARDS WITH INCREMENTAL ACCURACY AND PRODUCTIVITY LEVELS	8035409	2011-10-11	12/432082	2009-04-29	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR TRANSFORMING AN INPUT VOLTAGE TO OBTAIN LINEARITY BETWEEN INPUT AND OUTPUT FUNCTIONS AND SYSTEM AND METHOD THEREOF	8035452	2011-10-11	12/057686	2008-03-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF USING ASYMMETRIC JUNCTION ENGINEERED SRAM PASS GATES, AND DESIGN STRUCTURE METHOD AND APPROACH TO HOSTING VERSIONED WEB SERVICES	8036022	2011-10-11	12/190067	2008-08-12	GLOBALFOUNDRIES Inc.	Granted
	8037025	2011-10-11	12/749303	2010-03-29	GLOBALFOUNDRIES Inc.	Granted
PREDICATE SELECTION IN BIT-LEVEL COMPOSITIONAL TRANSFORMATIONS	8037085	2011-10-11	12/129976	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
PERFORMANCE EVALUATION OF ALGORITHMIC TASKS AND DYNAMIC PARAMETERIZATION ON MULTI-CORE PROCESSING SYSTEMS	8037215	2011-10-11	12/130167	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A FLIP-CHIP PACKAGE	8037594	2011-10-18	12/116655	2008-02-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PRODUCING A LAND GRID ARRAY INTERPOSER STRUCTURE	8037600	2011-10-18	12/061774	2008-04-03	GLOBALFOUNDRIES Inc.	Granted
HOLEY ELECTRODE GRIDS FOR PHOTOVOLTAIC CELLS WITH SUBWAVELENGTH AND SUPERWAVELENGTH FEATURE SIZES	8039292	2011-10-18	12/621226	2009-11-18	GLOBALFOUNDRIES Inc.	Granted
METAL ADHESION BY INDUCED SURFACE ROUGHNESS	8039314	2011-10-18	12/185259	2008-08-04	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING BULK FINFET DEVICES HAVING DEEP TRENCH ISOLATION	8039326	2011-10-18	12/544931	2009-08-20	GLOBALFOUNDRIES Inc.	Granted
SHARED GATE FOR CONVENTIONAL PLANAR DEVICE AND HORIZONTAL CNT	8039334	2011-10-18	12/902944	2010-10-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING DEFECTS OF GATE OF CMOS DEVICES DURING CLEANING PROCESSES BY MODIFYING A PARASITIC PN JUNCTION	8039338	2011-10-18	12/297574	2009-03-04	GLOBALFOUNDRIES Inc.	Granted
ENHANCED INTEGRITY OF A HIGH-K METAL GATE ELECTRODE STRUCTURE BY USING A SACRIFICIAL SPACER FOR CAP REMOVAL	8039342	2011-10-18	12/907675	2010-10-19	GLOBALFOUNDRIES Inc.	Granted
PASSIVE COMPONENTS IN THE BACK END OF INTEGRATED CIRCUITS	8039354	2011-10-18	12/849086	2010-08-03	GLOBALFOUNDRIES Inc.	Granted
REDUCED DEFECT SEMICONDUCTOR-ON-INSULATOR HETERO-STRUCTURES	8039371	2011-10-18	12/496006	2009-07-01	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING SELF-ALIGNED METAL SILICIDE CONTACTS	8039382	2011-10-18	12/539660	2009-08-12	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUE FOR FORMING EMBEDDED METAL LINES HAVING INCREASED RESISTANCE AGAINST STRESS-INDUCED MATERIAL TRANSPORT	8039395	2011-10-18	11/009575	2004-12-10	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR AN ELECTROSTATIC DISCHARGE (ESD) SILICON CONTROLLED RECTIFIER (SCR) STRUCTURE	8039868	2011-10-18	12/342228	2008-12-23	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE GATE HAVING PROTECTED SHORTING REGIONS	8039908	2011-10-18	12/616389	2009-11-11	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR NANOWIRES CHARGE SENSOR	8039909	2011-10-18	12/324219	2008-11-26	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRICALLY STRESSED CMOS FINFET	8039929	2011-10-18	12/122788	2008-05-19	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES OF AND METHODS AND TOOLS FOR FORMING IN-SITU METALL/DIELECTRIC CAPS FOR INTERCONNECTS	8039966	2011-10-18	12/553265	2009-09-03	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR IDENTIFYING BROKEN PINS IN A TEST SOCKET	8040140	2011-10-18	12/946386	2010-11-15	GLOBALFOUNDRIES Inc.	Granted

DETERMINING DIE TEST PROTOCOLS BASED ON PROCESS HEALTH	8041518	2011-10-18	11/745688	2007-05-08	GLOBALFOUNDRIES Inc.	Granted
FASTER MEMORY ACCESS IN NON-UNIFIED MEMORY ACCESS SYSTEMS	8041915	2011-10-18	10/459344	2003-06-11	GLOBALFOUNDRIES Inc.	Granted
WIRE BONDING ON REACTIVE METAL SURFACES OF A METALLIZATION OF A SEMICONDUCTOR DEVICE BY PROVIDING A PROTECTIVE LAYER	8043956	2011-10-25	12/365963	2009-02-05	GLOBALFOUNDRIES Inc.	Granted
PRODUCT AND METHOD FOR INTEGRATION OF DEEP TRENCH MESH AND STRUCTURES UNDER A BOND PAD	8044510	2011-10-25	12/256089	2008-10-22	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL PROPERTY ALTERING, PLANAR MEMBER WITH SOLDER ELEMENT IN IC CHIP PACKAGE	8044512	2011-10-25	12/491438	2009-06-25	GLOBALFOUNDRIES Inc.	Granted
CONTINUOUSLY TUNABLE INDUCTOR AND METHOD TO CONTINUOUSLY TUNE AN INDUCTOR	8044732	2011-10-25	12/369021	2009-02-11	GLOBALFOUNDRIES Inc.	Granted
CONTROLLING POWER CHANGE FOR A SEMICONDUCTOR MODULE TO PRESERVE THERMAL INTERFACE THEREIN	8046616	2011-10-25	12/054580	2008-03-25	GLOBALFOUNDRIES Inc.	Granted
IMPROVING DATA AVAILABILITY DURING FAILURE DETECTION AND RECOVERY PROCESSING IN A SHARED RESOURCE SYSTEM	8046633	2011-10-25	12/635599	2009-12-10	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING AN INTERLAYER DIELECTRIC MATERIAL HAVING DIFFERENT REMOVAL RATES DURING CMP	8048330	2011-11-01	12/127921	2008-05-28	GLOBALFOUNDRIES Inc.	Granted
SOI SEMICONDUCTOR DEVICE WITH REDUCED TOPOGRAPHY ABOVE A SUBSTRATE WINDOW AREA	8048726	2011-11-01	12/914663	2010-10-28	GLOBALFOUNDRIES Inc.	Granted
REDUCING CONTAMINATION IN A PROCESS FLOW OF FORMING A CHANNEL SEMICONDUCTOR ALLOY IN A SEMICONDUCTOR DEVICE	8048748	2011-11-01	12/915216	2010-10-29	GLOBALFOUNDRIES Inc.	Granted
CHARGING PROTECTION DEVICE	8048753	2011-11-01	12/483737	2009-06-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SELF-ALIGNING A STOP LAYER TO A REPLACEMENT GATE FOR SELF-ALIGNED CONTACT INTEGRATION	8048790	2011-11-01	12/561708	2009-09-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A SEMICONDUCTOR DEVICE SUPERIOR FILL CONDITIONS IN A REPLACEMENT GATE APPROACH BY CORNER ROUNDING PRIOR TO COMPLETELY REMOVING A PLACERHOLDER MATERIAL	8048791	2011-11-01	12/390907	2009-02-23	GLOBALFOUNDRIES Inc.	Granted
3D SILICON-SILICON DIE STACK STRUCTURE AND METHOD FOR FINE PITCH INTERCONNECTION AND VERTICAL HEAT TRANSPORT	8048794	2011-11-01	12/543110	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
MICROSTRUCTURE DEVICE INCLUDING A METALLIZATION STRUCTURE WITH SELF-ALIGNED AIR GAPS FORMED BASED ON A SACRIFICIAL MATERIAL	8048796	2011-11-01	12/786019	2010-05-24	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR PLASMA INDUCED MODIFICATION AND IMPROVEMENT OF CRITICAL DIMENSION UNIFORMITY	8049335	2011-11-01	11/676674	2007-02-20	GLOBALFOUNDRIES Inc.	Granted
ENHANCED SPEED SORTING OF MICROPROCESSORS AT WAFER TEST	8049526	2011-11-01	12/133724	2008-06-05	GLOBALFOUNDRIES Inc.	Granted
TRANSIENT TRANSACTIONAL CACHE	8051248	2011-11-01	12/115355	2008-05-05	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR BALANCING DELAY OF SIGNAL COMMUNICATION PATHS THROUGH WELL VOLTAGE ADJUSTMENT	8051340	2011-11-01	12/136359	2008-06-10	GLOBALFOUNDRIES Inc.	Granted
ULTRA LOW-POWER CMOS BASED BIO-SENSOR CIRCUIT	8052931	2011-11-08	12/651504	2010-01-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PREDICTION OF PREMATURE DIELECTRIC BREAKDOWN IN A SEMICONDUCTOR	8053257	2011-11-08	12/061104	2008-04-02	GLOBALFOUNDRIES Inc.	Granted
METHOD AND PACKAGE FOR CIRCUIT CHIP PACKAGING	8053284	2011-11-08	12/540481	2009-08-13	GLOBALFOUNDRIES Inc.	Granted

CMOS SIDE CHANNEL PRET AND SI CHANNEL NET DEVICES WITH MINIMAL STI RECESS	8053301	2011-11-08	12/413771	2009-03-30	GLOBALFOUNDRIES Inc.	Granted
SOI BODY CONTACT USING E-DRAM TECHNOLOGY	8053303	2011-11-08	12/75552	2011-03-30	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC FIELD EFFECT TRANSISTOR STRUCTURE AND METHOD	8053314	2011-11-08	12/985060	2011-01-05	GLOBALFOUNDRIES Inc.	Granted
BODY CONTACT STRUCTURES AND METHODS OF MANUFACTURING THE SAME	8053325	2011-11-08	12/782320	2010-05-18	GLOBALFOUNDRIES Inc.	Granted
QUASI-HYDROPHOBIC SI-SI WAFER BONDING USING HYDROPHILIC SURFACES AND DISSOLUTION OF INTERFACIAL BONDING OXIDE	8053330	2011-11-08	12/538115	2009-08-08	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A SEMICONDUCTOR DEVICE USING A SACRIFICIAL UNIFORM VERTICAL THICKNESS SPACER STRUCTURE	8053348	2011-11-08	12/547537	2009-08-26	GLOBALFOUNDRIES Inc.	Granted
REDUCED WAFER WARPAGE IN SEMICONDUCTORS BY STRESS ENGINEERING IN THE METALLIZATION SYSTEM	8053354	2011-11-08	12/561701	2009-09-17	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR USING A TOPCOAT COMPOSITION	8053357	2011-11-08	12/369222	2008-12-17	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR BALANCING POWER PLANE PIN CURRENTS IN A PRINTED WIRING BOARD USING COLLINEAR SLOTS	8053675	2011-11-08	12/145502	2008-06-25	GLOBALFOUNDRIES Inc.	Granted
FOUR-TERMINAL RECONFIGURABLE DEVICES	8053752	2011-11-08	12/987089	2011-01-08	GLOBALFOUNDRIES Inc.	Granted
ION IMPLANTATION FOR SUPPRESSION OF DEFECTS IN ANNEALED SIGE LAYERS	8053759	2011-11-08	12/539248	2009-08-11	GLOBALFOUNDRIES Inc.	Granted
HYDRAZINE-FREE SOLUTION DEPOSITION OF CHALCOGENIDE FILMS	8053772	2011-11-08	12/549297	2009-08-27	GLOBALFOUNDRIES Inc.	Granted
SINGLE AND BEW-LAYER GRAPHENE BASED PHOTODETECTING DEVICES	8053782	2011-11-08	12/546097	2009-08-24	GLOBALFOUNDRIES Inc.	Granted
TUNNELING FIELD EFFECT TRANSISTOR SWITCH DEVICE	8053785	2011-11-08	12/468612	2009-05-19	GLOBALFOUNDRIES Inc.	Granted
DEVICE INCLUDING HIGH-K METAL GATE FINNET AND RESISTIVE STRUCTURE AND METHOD OF FORMING THEREOF	8053809	2011-11-08	12/471872	2009-05-26	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP EMBEDDED THERMAL ANTENNA FOR CHIP COOLING	8053814	2011-11-08	12/420157	2009-04-08	GLOBALFOUNDRIES Inc.	Granted
THREE-DIMENSIONAL CASCADED POWER DISTRIBUTION IN A SEMICONDUCTOR DEVICE	8053819	2011-11-08	12/120899	2008-05-15	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES, FABRICATION METHODS, DESIGN STRUCTURES FOR STRAINED FIN FIELD EFFECT TRANSISTORS (FINFETS)	8053838	2011-11-08	12/146728	2008-06-26	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCORPORATING MULTIPLE NITRIDE LAYERS TO IMPROVE THERMAL DISSIPATION AWAY FROM A DEVICE AND A METHOD OF FORMING THE STRUCTURE	8053870	2011-11-08	12/638004	2009-12-15	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC DISCHARGE STRUCTURES AND METHODS OF MANUFACTURE	8054597	2011-11-08	12/489774	2009-06-23	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY ARRAY	8054662	2011-11-08	12/549752	2009-08-28	GLOBALFOUNDRIES Inc.	Granted
NON-VOLATILE PROGRAMMABLE OPTICAL ELEMENT EMPLOYING F-CENTERS	8054669	2011-11-08	12/189983	2008-08-12	GLOBALFOUNDRIES Inc.	Granted
STORAGE DEVICE HAVING FLEXIBLE ARCHITECTURE AND FREE SCALABILITY	8054736	2011-11-08	12/126967	2008-05-26	GLOBALFOUNDRIES Inc.	Granted
CLOCK AND DATA RECOVERY SYSTEM AND METHOD FOR CLOCK AND DATA RECOVERY BASED ON A FORWARD ERROR CORRECTION	8054926	2011-11-08	12/116151	2008-05-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR COMPUTER COMMUNICATION USING AUDIO SIGNALS	8054986	2011-11-08	12/543306	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
POWER DELIVERY ANALYSIS AND DESIGN	8055486	2011-11-08	12/187164	2008-08-06	GLOBALFOUNDRIES Inc.	Granted
NON-UNIQUE RESULTS IN DESIGN VERIFICATION BY TEST PROGRAMS	8055492	2011-11-08	10/041671	2002-01-10	GLOBALFOUNDRIES Inc.	Granted

NON-UNIQUE RESULTS IN DESIGN VERIFICATION BY TEST PROGRAMS	8055492	2011-11-08	10/041671	2002-01-10	GLOBALFOUNDRIES Inc.	Granted
SYNCHRONOUS AND ASYNCHRONOUS CONTINUOUS DATA PROTECTION	8055943	2011-11-08	12/429374	2009-04-24	GLOBALFOUNDRIES Inc.	Granted
MULTI-BIT MEMORY ERROR DETECTION AND CORRECTION SYSTEM AND METHOD	8055988	2011-11-08	11/694025	2007-03-30	GLOBALFOUNDRIES Inc.	Granted
CHARACTERIZING THERMOMECHANICAL PROPERTIES OF AN ORGANIC SUBSTRATE USING THREE-DIMENSIONAL FINITE ELEMENT ANALYSIS	8056027	2011-11-08	12/260718	2008-10-29	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR VALIDATING LOGICAL FUNCTION AND TIMING BEHAVIOR OF A DIGITAL CIRCUIT DECISION	8056037	2011-11-08	12/233169	2008-09-18	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURE FOR INTEGRATED CIRCUITS HAVING IMPROVED ELECTROMIGRATION CHARACTERISTICS	8056039	2011-11-08	12/128973	2008-05-29	GLOBALFOUNDRIES Inc.	Granted
PHOTOSENSITIVE SELF-ASSEMBLED MONOLAYER FOR SELECTIVE PLACEMENT OF HYDROPHILIC STRUCTURES	8057984	2011-11-15	12/541231	2009-08-14	GLOBALFOUNDRIES Inc.	Granted
COOLING OF SUBSTRATE USING INTERPOSER CHANNELS	8059400	2011-11-15	12/233104	2008-09-18	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY ARRAY PROGRAMMED TO PERFORM LOGIC OPERATIONS	8059438	2011-11-15	12/549740	2009-08-28	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGIES AND ANALYTICS TOOLS FOR IDENTIFYING WHITE SPACE OPPORTUNITIES IN A GIVEN INDUSTRY	8060505	2011-11-15	11/674598	2007-02-13	GLOBALFOUNDRIES Inc.	Granted
STRAIN TRANSFORMATION IN BIAXIALLY STRAINED SOI SUBSTRATES FOR PERFORMANCE ENHANCEMENT OF P-CHANNEL AND N-CHANNEL TRANSISTORS	8062952	2011-11-22	12/784819	2010-05-21	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED PHOTODETECTOR APPARATUS IN A 3D CMOS CHIP STACK	8063424	2011-11-22	12/618895	2009-11-16	GLOBALFOUNDRIES Inc.	Granted
MEMORY DEVICE AND METHODS THEREOF	8064273	2011-11-22	12/251509	2008-10-15	GLOBALFOUNDRIES Inc.	Granted
ULTRA SHALLOW JUNCTION FORMATION BY EPITAXIAL INTERFACE LIMITED DIFFUSION	8067805	2011-11-29	12/132705	2008-06-04	GLOBALFOUNDRIES Inc.	Granted
TRANSITIONING FROM INSTRUCTION CACHE TO TRACE CACHE ON LABEL BOUNDARIES	8069336	2011-11-29	10/726902	2003-12-03	GLOBALFOUNDRIES Inc.	Granted
LOW CAPACTANCE PRECISION RESISTOR	8071457	2011-12-06	12/683770	2010-01-07	GLOBALFOUNDRIES Inc.	Granted
EXECUTING MICRO-CODE INSTRUCTION WITH DELAY FIELD AND ADDRESS OF NEXT INSTRUCTION WHICH IS DECODED AFTER INDICATED DELAY	8074061	2011-12-06	12/253339	2008-10-17	GLOBALFOUNDRIES Inc.	Granted
SEA-OF-FINS STRUCTURE ON A SEMICONDUCTOR SUBSTRATE AND METHOD OF FABRICATION	8076190	2011-12-13	12/535007	2009-08-04	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE-BASED TRANSISTOR	8076204	2011-12-13	12/765483	2010-04-22	GLOBALFOUNDRIES Inc.	Granted
SRAM BIT CELL WITH SELF-ALIGNED BIDIRECTIONAL LOCAL INTERCONNECTS	8076236	2011-12-13	12/475989	2009-06-01	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR INHIBITTING BACK END OF LINE DAMAGE FROM DICING AND CHIP PACKAGING INTERACTION FAILURES	8076756	2011-12-13	13/031195	2011-02-19	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR ENHANCING QUALITY OF PIXEL SENSOR IMAGE FRAMES FOR GLOBAL SHUTTER IMAGING	8077240	2011-12-13	12/107825	2008-04-23	GLOBALFOUNDRIES Inc.	Granted
ADAPTIVE NOISE SUPPRESSION USING A NOISE LOOK-UP TABLE	8077534	2011-12-13	12/183099	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
FABRICATING SEMICONDUCTOR STRUCTURES	8080451	2011-12-20	12/684551	2010-01-08	GLOBALFOUNDRIES Inc.	Granted
ROBUST TOP-DOWN SILICON NANOWIRE STRUCTURE USING A CONFORMAL NITRIDE	8080456	2011-12-20	12/469304	2009-05-20	GLOBALFOUNDRIES Inc.	Granted
FET RADIATION MONITOR	8080805	2011-12-20	12/719962	2010-03-09	GLOBALFOUNDRIES Inc.	Granted
3-D INTEGRATED SEMICONDUCTOR DEVICE COMPRISING INTERMEDIATE HEAT SPREADING CAPABILITIES	8080866	2011-12-20	12/506536	2009-07-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PRODUCING UV STABLE LIQUID CRYSTAL ALIGNMENT	8081280	2011-12-20	11/742474	2007-04-30	GLOBALFOUNDRIES Inc.	Granted

MANAGING AVAILABILITY OF A COMPONENT HAVING A CLOSED ADDRESS SPACE	8082464	2011-12-20	12/578372	2009-10-13	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE PLACEMENT OF CARBON NANOTUBES THROUGH FUNCTIONALIZATION	8084012	2011-12-27	12/541748	2009-08-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF IMPROVING THE WAFER-TO-WAFER THICKNESS UNIFORMITY OF SILICON NITRIDE LAYERS	8084088	2011-12-27	10/881932	2004-06-30	GLOBALFOUNDRIES Inc.	Granted
SUBSTRATE PLANARIZATION WITH IMPRINT MATERIALS AND PROCESSES	8084185	2011-12-27	12/350250	2009-01-08	GLOBALFOUNDRIES Inc.	Granted
SELF-SEGREGATING MULTILAYER IMAGING STACK WITH BUILT-IN ANTIREFLECTIVE PROPERTIES	8084193	2011-12-27	12/172233	2008-07-12	GLOBALFOUNDRIES Inc.	Granted
SINGLE GATE INVERTER NANOWIRE MESH	8084308	2011-12-27	12/470128	2009-05-21	GLOBALFOUNDRIES Inc.	Granted
EXTREMELY THIN SILICON ON INSULATOR (ETSO) COMPLEMENTARY METAL OXIDE SEMICONDUCTOR (CMOS) WITH IN-SITU DOPED SOURCE AND DRAIN REGIONS FORMED BY A SINGLE MASK	8084309	2011-12-27	12/542179	2009-08-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING REPLACEMENT METAL GATE WITH BORDERLESS CONTACT AND STRUCTURE THEREOF	8084311	2011-12-27	12/948246	2010-11-17	GLOBALFOUNDRIES Inc.	Granted
PRECISELY TUNING FEATURE SIZES ON HARD MASKS VIA PLASMA TREATMENT	8084319	2011-12-27	12/704665	2010-02-12	GLOBALFOUNDRIES Inc.	Granted
THIN BODY SEMICONDUCTOR DEVICES HAVING IMPROVED CONTACT RESISTANCE AND METHODS FOR THE FABRICATION THEREOF	8084330	2011-12-27	12/560938	2009-09-16	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT METAL GATE METHOD	8084346	2011-12-27	12/908016	2010-10-20	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A METAL CAP LAYER WITH ENHANCED ETCH RESISTIVITY FOR COPPER-BASED METAL REGIONS IN SEMICONDUCTOR DEVICES	8084354	2011-12-27	12/493366	2009-06-29	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING SOURCE AND DRAIN OF A FIELD-EFFECT-TRANSISTOR AND STRUCTURE THEREOF	8084788	2011-12-27	12/248970	2008-10-10	GLOBALFOUNDRIES Inc.	Granted
ENHANCED STRESS-RETENTION FIN-FET DEVICES AND METHODS OF FABRICATING ENHANCED STRESS RETENTION FIN-FET DEVICES	8084822	2011-12-27	12/570384	2009-09-30	GLOBALFOUNDRIES Inc.	Granted
TRILAYER RESIST SCHEME FOR GATE ETCHING APPLICATIONS	8084825	2011-12-27	12/245946	2008-10-06	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR PROTECTING GATE STACKS DURING FABRICATION OF SEMICONDUCTOR DEVICES AND SEMICONDUCTOR DEVICES FABRICATED FROM SUCH METHODS	8084828	2011-12-27	12/815129	2010-06-14	GLOBALFOUNDRIES Inc.	Granted
METAL WIRING STRUCTURES FOR UNIFORM CURRENT DENSITY IN C4 BALLS	8084858	2011-12-27	12/424001	2009-04-15	GLOBALFOUNDRIES Inc.	Granted
SYSTEM TO EXTEND THE SERVICE LIFE OF PORTABLE DEVICES	8084994	2011-12-27	13/023583	2011-02-09	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING ENHANCED SOLDER JOINT ROBUSTNESS FOR SMT PAD STRUCTURE	8085550	2011-12-27	12/410095	2009-03-24	GLOBALFOUNDRIES Inc.	Granted
SAMPLED CURRENT-INTEGRATING DECISION FEEDBACK EQUALIZER AND METHOD	8085841	2011-12-27	12/061268	2008-04-02	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZING CONSUMPTION OF RESOURCES	8086354	2011-12-27	12/551191	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR CHARACTERIZING DEVICE VARIATION IN ELECTRONIC MEMORY CIRCUITS	8086917	2011-12-27	12/542187	2009-08-17	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR FRACTIONAL-N PHASED-LOCK-LOOP (PLL) SYSTEM	8086974	2011-12-27	12/176536	2008-07-21	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR SWITCHING DIGITAL CIRCUIT CLOCK NET DRIVER WITHOUT LOSING CLOCK PULSES	8086977	2011-12-27	12/192272	2008-08-15	GLOBALFOUNDRIES Inc.	Granted

STRUCTURE FOR GLITCHLESS CLOCK MULTIPLEXER OPTIMIZED FOR SYNCHRONOUS AND ASYNCHRONOUS CLOCKS	8086989	2011-12-27	12/174572	2008-07-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MONITORING THERMAL CONTROL	8087823	2012-01-03	12/193497	2008-08-18	GLOBALFOUNDRIES Inc.	Granted
SRAM CELL HAVING A RECTANGULAR COMBINED ACTIVE AREA PLANAR PASS GATE AND PLANAR PULL-DOWN NETS	8088663	2012-01-03	13/005894	2011-01-13	GLOBALFOUNDRIES Inc.	Granted
CMP METHOD	8088690	2012-01-03	12/415406	2009-03-31	GLOBALFOUNDRIES Inc.	Granted
TOPCOAT COMPOSITION	8088873	2012-01-03	12/337004	2008-12-17	GLOBALFOUNDRIES Inc.	Granted
ROSE LINK STRUCTURES USING FILM STRESS FOR PROGRAMMING AND METHODS OF MANUFACTURE	8089105	2012-01-03	12/939520	2010-11-04	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURES FOR IMPROVING SUBSTRATE LOSS AND LINEARITY IN SOI SUBSTRATES	8089126	2012-01-03	12/507150	2009-07-22	GLOBALFOUNDRIES Inc.	Granted
OPTICAL ASSEMBLIES FOR TRANSMITTING AND MANIPULATING OPTICAL BEAMS	8089133	2012-01-03	10/993305	2004-11-19	GLOBALFOUNDRIES Inc.	Granted
BACK-END-OF-LINE WIRING STRUCTURES WITH INTEGRATED PASSIVE ELEMENTS AND DESIGN STRUCTURES FOR A RADIOFREQUENCY INTEGRATED CIRCUIT	8089135	2012-01-03	12/182585	2008-07-30	GLOBALFOUNDRIES Inc.	Granted
GENERATING CLOCK SIGNALS FOR COUPLED ASIC CHIPS IN PROCESSOR INTERFACE WITH X AND Y LOGIC OPERABLE IN FUNCTIONAL AND SCANNING MODES	8090929	2012-01-03	12/236551	2008-09-24	GLOBALFOUNDRIES Inc.	Granted
MODELING SYSTEM-LEVEL EFFECTS OF SOFT ERRORS	8091050	2012-01-03	12/243427	2008-10-01	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DIFFUSION BASED CELL PLACEMENT MIGRATION	8091059	2012-01-03	12/264583	2008-11-04	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT AND METHODS TO IMPROVE THE OPERATION OF SOI DEVICES	8093657	2012-01-10	12/181007	2008-07-28	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED BEOL THIN FILM RESISTOR	8093679	2012-01-10	13/023579	2011-02-09	GLOBALFOUNDRIES Inc.	Granted
TRANSACTON BASED VERIFICATION OF A SYSTEM ON CHIP ON SYSTEM LEVEL BY TRANSLATING TRANSACTONS INTO MACHINE CODE	8095331	2012-01-10	12/324212	2008-11-26	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR AUTOMATIC SELECTION OF TRANSMISSION LINE MACROMODELS	8095352	2012-01-10	12/060551	2008-04-01	GLOBALFOUNDRIES Inc.	Granted
MULTI-NODE CONFIGURATION OF PROCESSOR CARDS CONNECTED VIA PROCESSOR FABRICS	8095691	2012-01-10	12/830275	2010-07-02	GLOBALFOUNDRIES Inc.	Granted
METHODS AND SYSTEMS FOR LAYOUT AND ROUTING USING ALTERNATING APERTURE PHASE SHIFT MASKS	8095897	2012-01-10	12/256108	2008-10-22	GLOBALFOUNDRIES Inc.	Granted
DESIGN STRUCTURE FOR COUPLE NOISE CHARACTERIZATION USING A SINGLE OSCILLATOR	8095902	2012-01-10	12/193058	2008-08-18	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR PROVIDING FLEXIBLE TIMING-DRIVEN ROUTING TREES	8095904	2012-01-10	12/055888	2008-03-26	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR REAL-TIME ESTIMATION AND PREDICTION OF THE THERMAL STATE OF A MICROPROCESSOR UNIT	8096705	2012-01-17	12/756733	2010-04-08	GLOBALFOUNDRIES Inc.	Granted
SELF-FORMING TOP ANTI-REFLECTIVE COATING COMPOSITIONS AND PHOTORESIST MIXTURES AND METHOD OF IMAGING USING SAME	8097401	2012-01-17	12/409738	2009-03-24	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT CHIP DESIGN FLOW METHODOLOGY INCLUDING INSERTION OF ON-CHIP OR SCRIBE LINE WIRELESS PROCESS MONITORING AND FEEDBACK CIRCUITRY	8097474	2012-01-17	12/343686	2008-12-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND MANUFACTURE OF SILICON BASED PACKAGE AND DEVICES MANUFACTURED THEREBY	8097492	2012-01-17	12/344095	2008-12-24	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED CONTACTS FOR NANOWIRE FIELD EFFECT TRANSISTORS	8097515	2012-01-17	12/631213	2009-12-04	GLOBALFOUNDRIES Inc.	Granted

DUAL TRENCH ISOLATION FOR CMOS WITH HYBRID ORIENTATIONS	8097516	2012-01-17	12/169991	2008-07-09	GLOBALFOUNDRIES Inc.	Granted
INTEGRATION OF PASSIVE DEVICE STRUCTURES WITH METAL GATE LAYERS	8097520	2012-01-17	12/543544	2009-08-19	GLOBALFOUNDRIES Inc.	Granted
ETCH STOP LAYER OF REDUCED THICKNESS FOR PATTERNING A DIELECTRIC MATERIAL IN A CONTACT LEVEL OF CLOSELY SPACED TRANSISTORS	8097542	2012-01-17	12/260147	2008-10-29	GLOBALFOUNDRIES Inc.	Granted
ULTRALOW KAPPA PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION PROCESSES USING A SINGLE BIFUNCTIONAL PRECURSOR CONTAINING BOTH A SICOH MATRIX FUNCTIONALITY AND ORGANIC POROGEN FUNCTIONALITY	8097932	2012-01-17	12/371180	2009-02-13	GLOBALFOUNDRIES Inc.	Granted
MINIVISOR ENTRY POINT IN VIRTUAL MACHINE MONITOR ADDRESS SPACE	8099541	2012-01-17	12/272955	2008-11-18	GLOBALFOUNDRIES Inc.	Granted
CONTROL OF CARBON NANOTUBE DIAMETER USING CVD OR PECVD GROWTH	8101150	2012-01-24	12/483757	2009-06-12	GLOBALFOUNDRIES Inc.	Granted
METHOD TO REDUCE A VIA AREA IN A PHASE CHANGE MEMORY CELL	8101456	2012-01-24	12/243759	2008-10-01	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING ISOLATED FIN STRUCTURES ON BULK SEMICONDUCTOR MATERIAL	8101486	2012-01-24	12/575344	2009-10-07	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE, DESIGN STRUCTURE AND METHOD OF MANUFACTURING A STRUCTURE HAVING VIAS AND HIGH DENSITY CAPACITORS	8101494	2012-01-24	12/191379	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE ELECTRICAL FUSE	8101505	2012-01-24	12/135242	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
P-CHANNEL GERMANIUM ON INSULATOR (GOI) ONE TRANSISTOR MEMORY CELL	8102000	2012-01-24	12/082637	2008-04-10	GLOBALFOUNDRIES Inc.	Granted
REDUCED SOFT ERROR RATE THROUGH METAL FILL AND PLACEMENT MOLDED MICROLENSSES	8102033	2012-01-24	12/473435	2009-05-28	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF OPTICAL FILTERS INTEGRATED WITH INJECTION MOLDED MICROLENSSES	8102599	2012-01-24	12/603569	2009-10-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR SEMICONDUCTOR PROCESS CONTROL AND MONITORING BY USING PCA MODELS OF REDUCED SIZE	8103478	2012-01-24	12/388060	2009-02-18	GLOBALFOUNDRIES Inc.	Granted
LOCAL ROLLBACK FOR FAULT-TOLERANCE IN PARALLEL COMPUTING SYSTEMS	8103910	2012-01-24	12/696780	2010-01-29	GLOBALFOUNDRIES Inc.	Granted
LOW OVERHEAD SOFT ERROR TOLERANT FLIP FLOP	8103941	2012-01-24	12/059543	2008-03-31	GLOBALFOUNDRIES Inc.	Granted
TRANSMISSION ELECTRON MICROSCOPY SAMPLE ETCHING FIXTURE	8105499	2012-01-31	12/172876	2008-07-14	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR SELECTIVELY PATTERNING A MAGNETIC FILM STRUCTURE	8105850	2012-01-31	12/917800	2010-11-02	GLOBALFOUNDRIES Inc.	Granted
IN VIA FORMED PHASE CHANGE MEMORY CELL WITH RECESSED PILLAR HEATER	8105859	2012-01-31	12/556198	2009-09-09	GLOBALFOUNDRIES Inc.	Granted
CMOS IMAGE SENSOR WITH REDUCED DARK CURRENT	8105861	2012-01-31	12/885648	2010-09-20	GLOBALFOUNDRIES Inc.	Granted
THERMAL DUAL GATE OXIDE DEVICE INTEGRATION	8105892	2012-01-31	12/542768	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DOUBLE PATTERN DENSITY	8105901	2012-01-31	12/509900	2009-07-27	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE BASED SWITCHING DEVICE HAVING A TUNABLE BANDGAP	8105928	2012-01-31	12/612018	2009-11-04	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING DIELECTRIC INTERCONNECT STRUCTURES	8105936	2012-01-31	12/173899	2008-07-16	GLOBALFOUNDRIES Inc.	Granted
CMF-FIRST DAMASCENE PROCESS SCHEME	8105942	2012-01-31	12/763550	2010-04-20	GLOBALFOUNDRIES Inc.	Granted
SPLIT FLEX CABLE	8106300	2012-01-31	12/244216	2008-10-02	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED GRAPHENE TRANSISTOR	8106383	2012-01-31	12/617770	2009-11-13	GLOBALFOUNDRIES Inc.	Granted
CMOS IMAGER PHOTODIODE WITH ENHANCED CAPACITANCE	8106432	2012-01-31	12/634898	2009-12-10	GLOBALFOUNDRIES Inc.	Granted

THRESHOLD VOLTAGE ADJUSTMENT THROUGH GATE DIELECTRIC STACK MODIFICATION	8106455	2012-01-31	12/432927	2009-04-30	GLOBALFOUNDRIES Inc.	Granted
SOT TRANSISTORS HAVING AN EMBEDDED EXTENSION REGION TO IMPROVE EXTENSION RESISTANCE AND CHANNEL STRAIN CHARACTERISTICS	8106456	2012-01-31	12/511440	2009-07-29	GLOBALFOUNDRIES Inc.	Granted
SOI CMOS CIRCUITS WITH SUBSTRATE BIAS	8106458	2012-01-31	12/348391	2009-01-05	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT STRUCTURE AND DESIGN STRUCTURE FOR AN OPTIONALLY SWITCHABLE ON-CHIP SLOW WAVE TRANSMISSION LINE BAND-STOP FILTER AND A METHOD OF MANUFACTURE	8106728	2012-01-31	12/424110	2009-04-15	GLOBALFOUNDRIES Inc.	Granted
VARIABLE FLOW COMPUTER COOLING SYSTEM FOR A DATA CENTER AND METHOD OF OPERATION	8107234	2012-01-31	12/793896	2010-06-04	GLOBALFOUNDRIES Inc.	Granted
RESISTIVE MEMORY DEVICES HAVING A NOT-AND (NAND) STRUCTURE	8107276	2012-01-31	12/631310	2009-12-04	GLOBALFOUNDRIES Inc.	Granted
READ DIRECTION FOR SPIN-TORQUE BASED MEMORY DEVICE	8107285	2012-01-31	12/684510	2010-01-08	GLOBALFOUNDRIES Inc.	Granted
COLLABORATION FRAMEWORK FOR MODELING	8108193	2012-01-31	12/199920	2008-08-28	GLOBALFOUNDRIES Inc.	Granted
SATISFIABILITY (SAT) BASED BOUNDED MODEL CHECKERS	8108195	2012-01-31	12/853318	2010-08-10	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR IMPLEMENTING DYNAMIC REFRESH PROTOCOLS FOR DRAM BASED CACHE	8108609	2012-01-31	12/126499	2008-05-23	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR SOFT ERROR RECOVERY DURING PROCESSOR EXECUTION	8108714	2012-01-31	11/684775	2007-03-12	GLOBALFOUNDRIES Inc.	Granted
RAID 3+3	8108750	2012-01-31	11/747887	2007-05-11	GLOBALFOUNDRIES Inc.	Granted
SHORT PATH CUSTOMIZED MASK CORRECTION	8108804	2012-01-31	12/2555814	2009-01-19	GLOBALFOUNDRIES Inc.	Granted
VALIDATION OF ELECTRICAL PERFORMANCE OF AN ELECTRONIC PACKAGE PRIOR TO FABRICATION	8108811	2012-01-31	12/200955	2008-09-04	GLOBALFOUNDRIES Inc.	Granted
ENHANCED CONDUCTIVITY IN AN AIRGAPPED INTEGRATED CIRCUIT	8108820	2012-01-31	12/208548	2008-09-11	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGY FOR PLACEMENT BASED ON CIRCUIT FUNCTION AND LATCHUP SENSITIVITY	8108822	2012-01-31	12/124551	2008-05-21	GLOBALFOUNDRIES Inc.	Granted
USER SELECTED GRID FOR LOGICALLY REPRESENTING AN ELECTRONIC CIRCUIT	8108823	2012-01-31	12/141453	2008-06-18	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURE OF DAMASCENE RECTICLE	8110321	2012-02-07	11/749384	2007-05-16	GLOBALFOUNDRIES Inc.	Granted
NANOFLUIDIC FIELD EFFECT TRANSISTOR BASED ON SURFACE CHARGE MODULATED NANOCHANNEL	8110410	2012-02-07	12/493811	2009-06-29	GLOBALFOUNDRIES Inc.	Granted
SILICON BASED MICROCHANNEL COOLING AND ELECTRICAL PACKAGE	8110415	2012-02-07	12/062055	2008-04-03	GLOBALFOUNDRIES Inc.	Granted
FORMING AN EXTREMELY THIN SEMICONDUCTOR-ON-INSULATOR (ETSOI) LAYER	8110483	2012-02-07	12/603737	2009-10-22	GLOBALFOUNDRIES Inc.	Granted
COOLING OF SUBSTRATE USING INTERPOSER CHANNELS	8110746	2012-02-07	12/233061	2008-09-18	GLOBALFOUNDRIES Inc.	Granted
GUARD RING STRUCTURES FOR HIGH VOLTAGE CMOS/LOW VOLTAGE CMOS TECHNOLOGY USING LDMS (LATERAL DOUBLE-DIFFUSED METAL OXIDE SEMICONDUCTOR) DEVICE FABRICATION	8110853	2012-02-07	12/475661	2009-06-01	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING TRENCH CAPACITOR AND TRENCH RESISTOR	8110862	2012-02-07	12/499452	2009-07-08	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR CHARGE DISSIPATION DURING FABRICATION OF INTEGRATED CIRCUITS AND ISOLATION THEREOF	8110875	2012-02-07	12/166362	2008-07-02	GLOBALFOUNDRIES Inc.	Granted
VERTICAL FIELD EFFECT TRANSISTOR ARRAYS INCLUDING GATE ELECTRODES ANNULARLY SURROUNDING SEMICONDUCTOR PILLARS	8110901	2012-02-07	12/851232	2010-08-05	GLOBALFOUNDRIES Inc.	Granted
ELECTRONIC COMPONENT AND TAPE HEAD HAVING A CLOSURE	8111480	2012-02-07	12/106983	2008-04-21	GLOBALFOUNDRIES Inc.	Granted

TEMPERATURE CONTROL DEVICE FOR OPTOELECTRONIC DEVICES	8111724	2012-02-07	12/498463	2009-07-07	GLOBALFOUNDRIES Inc.	Granted
3D OPTOELECTRONIC PACKAGING	8111730	2012-02-07	12/544710	2009-08-20	GLOBALFOUNDRIES Inc.	Granted
INLINE LOW-DAMAGE AUTOMATED FAILURE ANALYSIS	8111903	2012-02-07	12/238602	2008-09-26	GLOBALFOUNDRIES Inc.	Granted
PROTOCOL FOR POWER STATE DETERMINATION AND DEMOTON	8112647	2012-02-07	12/254650	2008-10-20	GLOBALFOUNDRIES Inc.	Granted
ENHANCED CONTROL OF CPU PARKING AND THREAD RESCHEDULING FOR MAXIMIZING THE BENEFITS OF LOW-POWER STATE	8112648	2012-02-07	12/333744	2008-12-12	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED SYSTEM PROBLEM DIAGNOSING	8112667	2012-02-07	12/693373	2010-01-25	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR PROVIDING ERROR CORRECTION CAPABILITY TO LONGITUDINAL POSITION DATA	8112696	2012-02-07	12/141960	2008-06-19	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM PRODUCT FOR IMPLEMENTING UNCERTAINTY IN INTEGRATED CIRCUIT DESIGNS WITH PROGRAMMABLE LOGIC	8112727	2012-02-07	12/137628	2008-06-12	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND COMPUTER PROGRAM PRODUCT FOR DIFFUSION BASED CELL PLACEMENT MIGRATION	8112732	2012-02-07	12/264619	2008-11-04	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING SUB-LITHOGRAPHIC FEATURES USING DIRECTED SELF-ASSEMBLY OF POLYMERS	8114306	2012-02-14	12/470760	2009-05-22	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MATERIAL BASED TEMPERATURE SENSOR	8114686	2012-02-14	12/819721	2010-06-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A MULTI-CHIP STACKED STRUCTURE INCLUDING A THIN INTERPOSER CHIP HAVING A FACE-TO-BACK BONDING WITH ANOTHER CHIP	8114707	2012-02-14	12/731487	2010-03-25	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CREATING 3-D SINGLE GATE INVERTER	8114747	2012-02-14	12/943146	2010-11-10	GLOBALFOUNDRIES Inc.	Granted
LATERAL DIFFUSION FIELD EFFECT TRANSISTOR WITH DRAIN REGION SELF-ALIGNED TO GATE ELECTRODE	8114750	2012-02-14	12/104643	2008-04-17	GLOBALFOUNDRIES Inc.	Granted
ELECTROMIGRATION RESISTANT VIA-TO-LINE INTERCONNECT	8114768	2012-02-14	12/344838	2008-12-29	GLOBALFOUNDRIES Inc.	Granted
GRID-LINE-FREE CONTACT FOR A PHOTOVOLTAIC CELL	8115097	2012-02-14	12/621683	2009-11-19	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MEMORY CELL WITH REDUCED SWITCHABLE VOLUME	8115186	2012-02-14	12/498840	2009-07-07	GLOBALFOUNDRIES Inc.	Granted
SELF-CONSTRAINED ANISOTROPIC GERMANIUM NANOSTRUCTURE FROM ELECTROPLATING	8115191	2012-02-14	12/541559	2009-08-14	GLOBALFOUNDRIES Inc.	Granted
REGRESSED GATE CHANNEL WITH LOW-VT CORNER	8115251	2012-02-14	11/741898	2007-04-30	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL ANTIFUSE	8115275	2012-02-14	12/555241	2009-09-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR PACKAGE STRUCTURES HAVING LIQUID COOLERS INTEGRATED WITH FIRST LEVEL CHIP PACKAGE MODULES	8115303	2012-02-14	12/120029	2008-05-13	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR TIME BASED DRIVER OUTPUT TRANSITION (SLEW) RATE COMPENSATION	8115508	2012-02-14	12/053946	2008-03-24	GLOBALFOUNDRIES Inc.	Granted
ACTIVE INDUCTOR FOR ASIC APPLICATION	8115575	2012-02-14	12/191519	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR EFFICIENT GATHERING OF INFORMATION IN A MULTICORE SYSTEM	8115659	2012-02-14	12/136187	2008-06-10	GLOBALFOUNDRIES Inc.	Granted
DETECTING AND RECOVERING FROM SILENT DATA ERRORS IN APPLICATION CLONING SYSTEMS	8117496	2012-02-14	12/486973	2009-06-18	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR IMPLEMENTING MEMORY ARRAY DEVICE WITH BUILT IN COMPUTATION CAPABILITY	8117567	2012-02-14	12/110456	2008-04-28	GLOBALFOUNDRIES Inc.	Granted
APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT FOR FAST SIMULATION OF MANUFACTURING EFFECTS DURING INTEGRATED CIRCUIT DESIGN	8117568	2012-02-14	12/237727	2008-09-25	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING A SERIALIZATION CONSTRUCT WITHIN AN ENVIRONMENT OF PARALLEL DATA FLOW GRAPHS	8117574	2012-02-14	12/330890	2008-12-09	GLOBALFOUNDRIES Inc.	Granted

NEGATIVE COEFFICIENT OF THERMAL EXPANSION PARTICLES	8119206	2012-02-21	12/437263	2009-05-07	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF SEMICONDUCTORS WITH HIGH-K METAL GATE ELECTRODES	8119464	2012-02-21	12/561638	2009-09-17	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PROCESS FOR NANOTUBENANOWIRE FETTS	8119466	2012-02-21	13/153051	2011-06-03	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE CAPACITORS IN PLANAR BACK GATES CMOS	8119474	2012-02-21	12/688243	2010-01-15	GLOBALFOUNDRIES Inc.	Granted
NANOSCALE ELECTRODES FOR PHASE CHANGE MEMORY DEVICES	8119528	2012-02-21	12/194526	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
SILICON WAFER BASED STRUCTURE FOR HETEROSTRUCTURE SOLAR CELLS	8119904	2012-02-21	12/533453	2009-07-31	GLOBALFOUNDRIES Inc.	Granted
HIGH-DRIVE CURRENT MOSFET	8120058	2012-02-21	12/607116	2009-10-28	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE INCLUDING A HIGH PERFORMANCE FET AND A HIGH VOLTAGE FET ON A SOI SUBSTRATE	8120110	2012-02-21	12/188381	2008-08-08	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED SILICON GERMANIUM SOURCE DRAIN STRUCTURE WITH REDUCED SILICIDE ENCROACHMENT AND CONTACT RESISTANCE AND ENHANCED CHANNEL MOBILITY	8120120	2012-02-21	12/561685	2009-09-17	GLOBALFOUNDRIES Inc.	Granted
ARRAY OF ALPHA PARTICLE SENSORS	8120131	2012-02-21	12/547519	2009-08-26	GLOBALFOUNDRIES Inc.	Granted
HOLEY ELECTRODE GRIDS FOR PHOTOVOLTAIC CELLS WITH SUBWAVELENGTH AND SUPERWAVELENGTH FEATURE SIZES	8120132	2012-02-21	13/196334	2011-08-02	GLOBALFOUNDRIES Inc.	Granted
HIGH-Z STRUCTURE AND METHOD FOR CO-ALIGNMENT OF MIXED OPTICAL AND ELECTRON BEAM LITHOGRAPHIC FABRICATION LEVELS	8120138	2012-02-21	12/436189	2009-05-06	GLOBALFOUNDRIES Inc.	Granted
AIR GAP INTERCONNECT STRUCTURES AND METHODS FOR FORMING THE SAME	8120179	2012-02-21	12/615354	2009-11-10	GLOBALFOUNDRIES Inc.	Granted
OPERATING CHARACTERISTIC MEASUREMENT DEVICE AND METHODS THEREOF	8120379	2012-02-21	12/760047	2010-04-14	GLOBALFOUNDRIES Inc.	Granted
AMPLIFIERS USING GATED DIODES	8120386	2012-02-21	12/542793	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
TERNARY CONTENT ADDRESSABLE MEMORY USING PHASE CHANGE DEVICES	8120937	2012-02-21	12/399346	2009-03-06	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC OUTPUT DRIVE LEVEL CONTROL IN HOME NETWORKING TRANSCEIVER	8121180	2012-02-21	09/413821	1999-10-07	GLOBALFOUNDRIES Inc.	Granted
EFFICIENT PRESENTATION OF FUNCTIONAL COVERAGE RESULTS	8121827	2012-02-21	12/061662	2008-04-03	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZING INTEGRATED CIRCUIT CHIP DESIGNS FOR OPTICAL PROXIMITY CORRECTION	8122387	2012-02-21	12/482504	2009-06-11	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT TRANSFORMER DEVICES FOR ON-CHIP MILLIMETER-WAVE APPLICATIONS	8122393	2012-02-21	12/106531	2008-04-21	GLOBALFOUNDRIES Inc.	Granted
ON CHIP TIMING ADJUSTMENT IN MULTI-CHANNEL FAST DATA TRANSFER	8122395	2012-02-21	12/194570	2008-08-20	GLOBALFOUNDRIES Inc.	Granted
LOGIC DIFFERENCE SYNTHESIS	8122400	2012-02-21	12/497499	2009-07-02	GLOBALFOUNDRIES Inc.	Granted
PERFORMING A STATISTICAL TIMING ABSTRACTION FOR A HIERARCHICAL TIMING ANALYSIS OF VLSI CIRCUITS	8122404	2012-02-21	12/388932	2009-02-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PERFORMING STATIC TIMING ANALYSIS CONSIDERING ABSTRACTED CELLS INTERCONNECT PARASITICS	8122411	2012-02-21	12/503924	2009-07-16	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR THREE-DIMENSIONAL VARIATIONAL CAPACITANCE CALCULATION	8122419	2012-02-21	12/267598	2008-11-09	GLOBALFOUNDRIES Inc.	Granted
DISPENSING ASSEMBLY WITH A CONTROLLED GAS ENVIRONMENT	8123088	2012-02-28	12/244118	2008-10-02	GLOBALFOUNDRIES Inc.	Granted
LOW TEMPERATURE MELT-PROCESSING OF ORGANIC-INORGANIC HYBRID	8123997	2012-02-28	12/167817	2008-07-03	GLOBALFOUNDRIES Inc.	Granted

METHOD OF LITHOGRAPHIC MASK CORRECTION USING LOCALIZED TRANSMISSION ADJUSTMENT	8124300	2012-02-28	10/999404	2004-11-30	GLOBALFOUNDRIES Inc.	Granted
LOCAL BOTTOM GATES FOR GRAPHENE AND CARBON NANOTUBE DEVICES	8124463	2012-02-28	12/563553	2009-09-21	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE, DESIGN STRUCTURE AND METHOD OF MANUFACTURING A STRUCTURE HAVING VIAS AND HIGH DENSITY CAPACITORS	8125013	2012-02-28	12/191385	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH CHANNEL REGION EDGE AND CENTER PORTIONS HAVING DIFFERENT BAND STRUCTURES FOR SUPPRESSED CORNER LEAKAGE	8125037	2012-02-28	12/190041	2008-08-12	GLOBALFOUNDRIES Inc.	Granted
ANTHUSE STRUCTURE FOR IN LINE CIRCUIT MODIFICATION	8125048	2012-02-28	12/574926	2009-10-07	GLOBALFOUNDRIES Inc.	Granted
REFLECTIVE FILM INTERFACE TO RESTORE TRANSVERSE MAGNETIC WAVE CONTRAST IN LITHOGRAPHIC PROCESSING	8125618	2012-02-28	12/208358	2008-09-11	GLOBALFOUNDRIES Inc.	Granted
ADJUSTABLE WRITE BINS FOR MULTI-LEVEL ANALOG MEMORIES	8125809	2012-02-28	12/566430	2009-09-24	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY DATA STORAGE MEDIUM, METHOD AND DEVICE	8125882	2012-02-28	13/016492	2011-01-28	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR LATENCY REDUCTION IN SPECULATIVE DECISION FEEDBACK EQUALIZERS	8126045	2012-02-08	12/201487	2008-08-29	GLOBALFOUNDRIES Inc.	Granted
PROCESSES AND MATERIALS FOR STEP AND FLASH IMPRINT LITHOGRAPHY	8128832	2012-03-06	12/051584	2008-03-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING SOLAR CELL WITH DOPING PATTERNS AND CONTACTS	8129216	2012-03-06	12/432293	2009-04-29	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CREATING TENSILE STRAIN BY APPLYING STRESS MEMORIZATION TECHNIQUES AT CLOSE PROXIMITY TO THE GATE ELECTRODE	8129236	2012-03-06	12/257718	2008-10-24	GLOBALFOUNDRIES Inc.	Granted
3D INTEGRATED CIRCUIT DEVICE FABRICATION WITH PRECISELY CONTROLLABLE SUBSTRATE REMOVAL	8129256	2012-03-06	12/194065	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
REDUCING EFFECTIVE DIELECTRIC CONSTANT IN SEMICONDUCTOR DEVICES	8129286	2012-03-06	12/139803	2008-06-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR HIGH DENSITY DATA STORAGE AND IMAGING INTEGRATED THERMOELECTRIC COOLING DEVICES AND METHODS FOR FABRICATING SAME	8129496	2012-03-06	12/056412	2008-03-27	GLOBALFOUNDRIES Inc.	Granted
WORK FUNCTION ENGINEERING FOR EDRAM MOSFETS	8129797	2012-03-06	12/141311	2008-06-18	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR THREE-DIMENSIONAL CIRCUIT INTEGRATION	8129811	2012-03-06	13/088339	2011-04-16	GLOBALFOUNDRIES Inc.	Granted
ON CHIP SLOW-WAVE STRUCTURE, METHOD OF MANUFACTURE AND DESIGN STRUCTURE	8130059	2012-03-06	12/423835	2009-04-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR CONFIGURING A CONTENT-ADDRESSABLE MEMORY (CAM) DESIGN AS BINARY CAM OR TERNARY CAM	8130525	2012-03-06	12/576275	2009-10-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND ARRANGEMENTS FOR LINK POWER REDUCTION	8130887	2012-03-06	12/124106	2008-05-20	GLOBALFOUNDRIES Inc.	Granted
BIAS VOLTAGE GENERATION CIRCUIT FOR AN SOI RADIO FREQUENCY SWITCH	8131225	2012-03-06	12/342335	2008-12-23	GLOBALFOUNDRIES Inc.	Granted
USE OF ETHERNET FRAMES FOR EXCHANGING CONTROL AND STATUS INFORMATION WITHIN AN HPNA CONTROLLER	8131879	2012-03-06	10/232300	2002-08-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR COMPUTING THE SENSITIVITY OF A VLSI DESIGN TO BOTH RANDOM AND SYSTEMATIC DEFECTS USING A CRITICAL AREA ANALYSIS TOOL	8132129	2012-03-06	12/348070	2009-01-02	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED ISOLATION OF LOGIC AND MACRO BLOCKS IN CHIP DESIGN TESTING	8132133	2012-03-06	12/196840	2008-08-22	GLOBALFOUNDRIES Inc.	Granted

DUAL MAGNETIC TUNNEL JUNCTION SENSOR WITH A LONGITUDINAL BIAS STACK	8133363	2012-03-13	10/981926	2004-11-05	GLOBALFOUNDRIES Inc.	Granted
DEPT BENCH CAPACITOR FOR SOI CMOS DEVICES FOR SOFT ERROR IMMUNITY	8133772	2012-03-13	13/075271	2011-03-30	GLOBALFOUNDRIES Inc.	Granted
HYDRAZINE-FREE SOLUTION DEPOSITION OF CHALCOGENIDE FILMS	8134150	2012-03-13	12/549306	2009-08-27	GLOBALFOUNDRIES Inc.	Granted
QUAD FLAT-NO-LEAD CHIP CARRIER WITH STANDOFF	8134225	2012-03-13	12/164152	2008-06-30	GLOBALFOUNDRIES Inc.	Granted
ADAPTIVE CLOCK AND EQUALIZATION CONTROL SYSTEMS AND METHODS FOR DATA RECEIVERS IN COMMUNICATIONS SYSTEMS	8135100	2012-03-13	12/194571	2008-08-20	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED SIMULATION TESTBENCH GENERATION FOR SERIALIZER/DESERIALIZER DATAPATH SYSTEMS	8135558	2012-03-13	12/169668	2008-07-09	GLOBALFOUNDRIES Inc.	Granted
VALIDATING MANUFACTURING TEST RULES PERTAINING TO AN ELECTRONIC COMPONENT	8135571	2012-03-13	12/191538	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD PROVIDING REGION-GRANULAR, HARDWARE-CONTROLLED MEMORY ENCRYPTION	8135962	2012-03-13	10/108253	2002-03-27	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS FOR REAL-TIME CONTAMINATION, ENVIRONMENTAL, OR PHYSICAL MONITORING OF A PHOTOMASK	8136055	2012-03-13	12/182672	2008-07-30	GLOBALFOUNDRIES Inc.	Granted
INDETERMINATE STATE LOGIC INSERTION	8136059	2012-03-13	12/257610	2008-10-24	GLOBALFOUNDRIES Inc.	Granted
METHOD OF LOGIC CIRCUIT SYNTHESIS AND DESIGN USING A DYNAMIC CIRCUIT LIBRARY	8136061	2012-03-13	12/060768	2008-04-01	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND COMPUTER PROGRAM PRODUCT FOR SEMICONDUCTOR YIELD ESTIMATION	8136066	2012-03-13	12/325774	2008-12-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A SUBSTRATE HAVING A PLURALITY OF INSULATOR LAYERS	8136240	2012-03-20	12/193842	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
MICRO-FLUIDIC INJECTION MOLDED SOLDER (IMS)	8136714	2012-03-20	13/088727	2011-04-18	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL CONTACT METHOD	8137158	2012-03-20	13/018751	2011-02-01	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL TRIM OF PHOTORESIST LINES BY MEANS OF A TUNED OVERCOAT	8137893	2012-03-20	12/983297	2011-01-01	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT IN MULTI-CHIP WITH INTERPOSERS AND BRIDGES	8138015	2012-03-20	13/219801	2011-08-29	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR DEVICE COMPRISING AN ASYMMETRIC EMBEDDED SEMICONDUCTOR ALLOY	8138050	2012-03-20	12/555879	2009-09-09	GLOBALFOUNDRIES Inc.	Granted
THERMALLY INSULATED PHASE CHANGE MATERIAL MEMORY CELLS WITH PILLAR STRUCTURE	8138056	2012-03-20	12/497596	2009-07-03	GLOBALFOUNDRIES Inc.	Granted
QUASIHYDROPHOBIC Si-Si WAFER BONDING USING HYDROPHILIC SURFACES AND DISSOLUTION OF INTERFACIAL BONDING OXIDE	8138061	2012-03-20	11/031165	2005-01-07	GLOBALFOUNDRIES Inc.	Granted
DISLOCATION ENGINEERING USING A SCANNED LASER SEMICONDUCTOR STRUCTURES AND METHODS OF MANUFACTURE	8138066	2012-03-20	12/242990	2008-10-01	GLOBALFOUNDRIES Inc.	Granted
MICROELECTRONIC STRUCTURE BY SELECTIVE DEPOSITION	8138100	2012-03-20	12/273908	2008-11-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PLACING A SEMICONDUCTING NANOSTRUCTURE AND SEMICONDUCTOR DEVICE INCLUDING THE SEMICONDUCTING NANOSTRUCTURE	8138102	2012-03-20	12/195524	2008-08-21	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF CARBON AND SEMICONDUCTOR NANOMATERIALS USING MOLECULAR ASSEMBLIES	8138492	2012-03-20	12/973063	2010-12-20	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING SILICON ON STRESSED LINER (SOL)	8138523	2012-03-20	12/575962	2009-10-08	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES, DESIGN STRUCTURES AND METHODS OF FABRICATING GLOBAL SHUTTER PIXEL SENSOR CELLS	8138531	2012-03-20	12/561581	2009-09-17	GLOBALFOUNDRIES Inc.	Granted

ELECTROSTATIC DISCHARGE PROTECTION DEVICE AND METHOD OF FABRICATING SAME	8138546	2012-03-20	12/12/7946	2008-05-28	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT STRUCTURES AND METHODS WITH BEOL LAYERS CONFIGURED TO BLOCK ELECTROMAGNETIC EDGE INTERFERENCE	8138563	2012-03-20	12/188243	2008-08-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING ISOLATION TRENCHES INCLUDING DIFFERENT TYPES OF STRAIN	8138571	2012-03-20	12/419500	2009-04-07	GLOBALFOUNDRIES Inc.	Granted
PLANAR ARRAY CONTACT MEMORY CARDS	8138592	2012-03-20	12/142997	2008-06-20	GLOBALFOUNDRIES Inc.	Granted
REDUNDANCY DESIGN WITH ELECTRO-MIGRATION IMMUNITY	8138603	2012-03-20	12/115817	2008-05-06	GLOBALFOUNDRIES Inc.	Granted
OPTIMAL DITHERING OF A DIGITALLY CONTROLLED OSCILLATOR WITH CLOCK DITHERING FOR GAIN AND BANDWIDTH CONTROL	8138840	2012-03-20	12/358736	2009-01-23	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE, STRUCTURE AND METHOD FOR PROVIDING AN ON-CHIP VARIABLE DELAY TRANSMISSION LINE WITH FIXED CHARACTERISTIC IMPEDANCE	8138857	2012-03-20	12/144682	2008-06-24	GLOBALFOUNDRIES Inc.	Granted
PERSISTENT CURRENT SWITCH	8138880	2012-03-20	12/182411	2008-07-30	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR EXTERNALLY CHANGING THE DIRECTION OF AIR FLOWING THROUGH ELECTRONIC EQUIPMENT	8139338	2012-03-20	12/674065	2008-09-25	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE DEVICE	8139389	2012-03-20	13/040429	2011-03-04	GLOBALFOUNDRIES Inc.	Granted
ROBUST JITTER-FREE REMOTE CLOCK OFFSET MEASURING METHOD	8139489	2012-03-20	12/186588	2008-08-06	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC QUADRATURE CLOCK CORRECTION FOR A PHASE ROTATOR SYSTEM	8139700	2012-03-20	12/492419	2009-06-26	GLOBALFOUNDRIES Inc.	Granted
THREE DIMENSIONAL CHIP FABRICATION	8140297	2012-03-20	12/354958	2009-01-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR CAUSAL MODELING AND OUTLIER DETECTION	8140301	2012-03-20	11/742227	2007-04-30	GLOBALFOUNDRIES Inc.	Granted
OPTIMAL BUS OPERATION PERFORMANCE IN A LOGIC SIMULATION ENVIRONMENT	8140314	2012-03-20	12/228587	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR THE SEMI-AUTOMATIC EDITING OF TIMED AND ANNOTATED DATA	8140341	2012-03-20	11/624990	2007-01-19	GLOBALFOUNDRIES Inc.	Granted
AUTONOMIC INFORMATION MANAGEMENT SYSTEM (IMS) MAINFRAME DATABASE POINTER ERROR DIAGNOSTIC DATA EXTRACTION	8140565	2012-03-20	12/356594	2009-01-20	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR RECONFIGURING CACHE MEMORY HAVING AN ACCESS BIT ASSOCIATED WITH A SECTOR OF A LOWER-LEVEL CACHE MEMORY AND A GRANULARITY BIT ASSOCIATED WITH A SECTOR OF A HIGHER-LEVEL CACHE MEMORY	8140764	2012-03-20	12/985726	2011-01-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM OF LINKING ON-CHIP PARASITIC COUPLING CAPACTANCE INTO DISTRIBUTED PRE-LAYOUT PASSIVE MODELS	8141013	2012-03-20	12/494723	2009-06-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR OPTIMIZING OF PIPELINE STRUCTURE PLACEMENT	8141019	2012-03-20	12/348380	2009-01-05	GLOBALFOUNDRIES Inc.	Granted
TEMPERATURE-CONTROLLED 3-DIMENSIONAL BUS PLACEMENT	8141020	2012-03-20	12/493599	2009-06-29	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR IDENTIFYING AND IMPLEMENTING FLEXIBLE LOGIC BLOCK LOGIC FOR EASY ENGINEERING CHANGES	8141028	2012-03-20	12/054835	2008-03-25	GLOBALFOUNDRIES Inc.	Granted
SEQUENTIAL ENCODING FOR RELATIONAL ANALYSIS (SERAL) OF A SOFTWARE MODEL	8141048	2012-03-20	11/677652	2007-02-22	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED SERIES DEEP TRENCH CAPACITORS AND METHODS OF MANUFACTURE	8143135	2012-03-27	12/575989	2009-10-08	GLOBALFOUNDRIES Inc.	Granted

THREE-TERMINAL CASCADE SWITCH FOR CONTROLLING STATIC POWER CONSUMPTION IN INTEGRATED CIRCUITS	8143609	2012-03-27	12/551643	2009-09-01	GLOBALFOUNDRIES Inc.	Granted
MEMORY READING METHOD FOR RESISTANCE DRIFT MITIGATION	8144508	2012-03-27	12/984682	2011-01-05	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR OUT OF BAND SIGNALING ENHANCEMENT FOR HIGH SPEED SERIAL DRIVER	8144726	2012-03-27	12/154796	2008-05-27	GLOBALFOUNDRIES Inc.	Granted
BUSINESS PROCESS ERROR HANDLING THROUGH PROCESS INSTANCE BACKUP AND RECOVERY	8145944	2012-03-27	12/570333	2009-09-30	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES FOR SEMICONDUCTOR STRUCTURES WITH ERROR DETECTION AND CORRECTION	8146046	2012-03-27	12/120701	2008-05-15	GLOBALFOUNDRIES Inc.	Granted
STRESSED FIELD EFFECT TRANSISTOR AND METHODS FOR ITS FABRICATION	8148214	2012-04-03	12/360961	2009-01-28	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR DEVICE HAVING ASYMMETRIC EMBEDDED STRAIN ELEMENTS AND RELATED MANUFACTURING METHOD	8148750	2012-04-03	13/052969	2011-03-21	GLOBALFOUNDRIES Inc.	Granted
I/O DRIVER FOR INTEGRATED CIRCUIT WITH OUTPUT IMPEDANCE CONTROL	8149014	2012-04-03	12/258704	2008-10-27	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR IMPROVED LOGIC SIMULATION USING A NEGATIVE UNKNOWN BOOLEAN STATE	8150672	2012-04-03	12/192309	2008-08-15	GLOBALFOUNDRIES Inc.	Granted
BLENDED MODEL INTERPOLATION	8151230	2012-04-03	12/420879	2009-04-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING METAL/HIGH-KAPPA GATE STACKS WITH HIGH MOBILITY	8153514	2012-04-10	12/187767	2008-08-07	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED METAL TO FORM CONTACTS TO GE CONTAINING SUBSTRATES AND STRUCTURE FORMED THEREBY	8154130	2012-04-10	12/107992	2008-04-23	GLOBALFOUNDRIES Inc.	Granted
HARDWARE MONITORING AND DECISION MAKING FOR TRANSITIONING IN AND OUT OF LOW-POWER STATE	8156362	2012-04-10	12/198974	2008-08-27	GLOBALFOUNDRIES Inc.	Granted
UNIQUEIFICATION AND PARENT-CHILD CONSTRUCTS FOR I/O VLSI DESIGN	8156458	2012-04-10	12/201685	2008-08-29	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR PROVIDING UNIAXIAL LOAD DISTRIBUTION FOR LAMINATE LAYERS OF MULTILAYER CERAMIC CHIP CARRIERS	8156990	2012-04-17	12/105494	2008-04-18	GLOBALFOUNDRIES Inc.	Granted
SPUTTERING TARGET FIXTURE	8157970	2012-04-17	12/166958	2008-07-02	GLOBALFOUNDRIES Inc.	Granted
MULTI-EXPOSURE LITHOGRAPHY EMPLOYING DIFFERENTIALLY SENSITIVE PHOTORESIST LAYERS	8158014	2012-04-17	12/139722	2008-06-16	GLOBALFOUNDRIES Inc.	Granted
PARTICLE EMISSION ANALYSIS FOR SEMICONDUCTOR FABRICATION STEPS	8158449	2012-04-17	12/247474	2008-10-08	GLOBALFOUNDRIES Inc.	Granted
CONTINUOUSLY REFERENCING SIGNALS OVER MULTIPLE LAYERS IN LAMINATE PACKAGES	8158461	2012-04-17	12/490872	2009-06-24	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC TRANSISTOR DEVICES FORMED BY ASYMMETRIC SPACERS AND TILTED IMPLANTATION	8158482	2012-04-17	12/552333	2009-09-02	GLOBALFOUNDRIES Inc.	Granted
INTERLEVEL CONDUCTIVE LIGHT SHIELD	8158988	2012-04-17	12/133380	2008-06-05	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A TRENCH-GENERATED TRANSISTOR STRUCTURE	8159008	2012-04-17	12/562419	2009-09-18	GLOBALFOUNDRIES Inc.	Granted
METAL GATE INTEGRATION STRUCTURE AND METHOD INCLUDING METAL FUSE, ANTI-FUSE AND/OR RESISTOR	8159040	2012-04-17	12/119526	2008-05-13	GLOBALFOUNDRIES Inc.	Granted
ADOPTING FEATURE OF BURIED ELECTRICALLY CONDUCTIVE LAYER IN DIELECTRICS FOR ELECTRICAL ANTI-FUSE APPLICATION	8159042	2012-04-17	12/144229	2008-06-23	GLOBALFOUNDRIES Inc.	Granted
METHOD OF OPERATING TRANSISTORS AND STRUCTURES THEREOF FOR IMPROVED RELIABILITY AND LIFETIME	8159814	2012-04-17	12/355815	2009-01-19	GLOBALFOUNDRIES Inc.	Granted
PIEZO-EFFECT TRANSISTOR DEVICE AND APPLICATIONS	8159854	2012-04-17	12/495027	2009-06-30	GLOBALFOUNDRIES Inc.	Granted
UTILIZING AN UNSAT PROOF FOR MODEL CHECKING	8161433	2012-04-17	12/501501	2009-07-13	GLOBALFOUNDRIES Inc.	Granted

HIGHLY SPECIALIZED SCENARIOS IN RANDOM TEST GENERATION	8161440	2012-04-17	12/139476	2008-06-15	GLOBALFOUNDRIES Inc.	Granted
MICROFLUIDIC INJECTION MOULDED SOLDER (IMS)	8162200	2012-04-24	13/156736	2011-06-09	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR SELECTIVELY ADJUSTING LOCAL RESIST PATTERN DIMENSION WITH CHEMICAL TREATMENT	8163466	2012-04-24	12/371956	2009-02-17	GLOBALFOUNDRIES Inc.	Granted
ULTRAVIOLET ENERGY CURABLE TAPE AND METHOD OF MAKING A SEMICONDUCTOR CHIP USING THE TAPE	8163602	2012-04-24	13/011509	2011-01-21	GLOBALFOUNDRIES Inc.	Granted
THREE-DIMENSIONAL TRANSISTOR WITH DOUBLE CHANNEL CONFIGURATION	8164145	2012-04-24	12/425462	2009-04-17	GLOBALFOUNDRIES Inc.	Granted
WRITING A SPECIAL SYMBOL TO A MEMORY TO INDICATE THE ABSENCE OF A DATA SIGNAL	8166368	2012-04-24	12/391678	2009-02-24	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR AN ENHANCED MAGNETIC PLATING METHOD	8168045	2012-05-01	13/112477	2011-03-20	GLOBALFOUNDRIES Inc.	Granted
LOW ACTIVATION ENERGY PHOTORESIST COMPOSITION AND PROCESS FOR ITS USE	8168366	2012-05-01	12/253072	2008-10-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING AN SOI SCHOTTKY SOURCE/ DRAIN DEVICE TO CONTROL ENCRACHMENT AND DELAMINATION OF SILICIDE	8168503	2012-05-01	12/726736	2010-03-18	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC JUNCTION FIELD EFFECT TRANSISTOR	8169007	2012-05-01	13/037485	2011-03-01	GLOBALFOUNDRIES Inc.	Granted
BEOL WIRING STRUCTURES THAT INCLUDE AN ON-CHIP INDUCTOR AND AN ON-CHIP CAPACITOR, AND DESIGN STRUCTURES FOR A RADIOFREQUENCY INTEGRATED CIRCUIT	8169050	2012-05-01	12/146555	2008-06-26	GLOBALFOUNDRIES Inc.	Granted
DIELECTRIC INTERCONNECT STRUCTURES AND METHODS FOR FORMING THE SAME	8169077	2012-05-01	12/185759	2008-08-04	GLOBALFOUNDRIES Inc.	Granted
SIGNAL AND POWER SUPPLY INTEGRATED ESD PROTECTION DEVICE	8169760	2012-05-01	12/355889	2009-01-19	GLOBALFOUNDRIES Inc.	Granted
USE OF SYMMETRIC RESISTIVE MEMORY MATERIAL AS A DIODE TO DRIVE SYMMETRIC OR ASYMMETRIC RESISTIVE MEMORY	8169820	2012-05-01	13/035100	2011-02-25	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR AUTOMATIC GENERATION OF THROUGHPUT MODELS FOR SEMICONDUCTOR TOOLS	8170704	2012-05-01	12/400174	2009-03-09	GLOBALFOUNDRIES Inc.	Granted
IN-SITU DESIGN METHOD AND SYSTEM FOR IMPROVED MEMORY YIELD	8170857	2012-05-01	12/324170	2008-11-26	GLOBALFOUNDRIES Inc.	Granted
DATA CONSISTENCY IN LONG-RUNNING PROCESSES	8171348	2012-05-01	12/470693	2009-05-22	GLOBALFOUNDRIES Inc.	Granted
AUTOMATED CONVERGENCE OF TERNARY SIMULATION BY SATURATION OF DEEP GATES	8171437	2012-05-01	12/410968	2009-03-25	GLOBALFOUNDRIES Inc.	Granted
REDUCED STI TOPOGRAPHY IN HIGH-K METAL GATE TRANSISTORS BY USING A MASK AFTER CHANNEL SEMICONDUCTOR ALLOY DEPOSITION	8173501	2012-05-08	12/964136	2010-12-09	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR EPITAXIALLY GROWING EPITAXIAL MATERIAL REGIONS	8173524	2012-05-08	13/004201	2011-01-11	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND RELATED FABRICATION METHODS THAT USE COMPRESSIVE MATERIAL WITH A REPLACEMENT GATE TECHNIQUE	8173530	2012-05-08	12/475994	2009-06-01	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING A FILLED TRENCH STRUCTURE AND METHODS FOR FABRICATING THE SAME	8174131	2012-05-08	12/472884	2009-05-27	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR A COMBINED MATRIX-VECTOR AND MATRIX TRANSPOSE VECTOR MULTIPLY FOR A BLOCK-SPARSE MATRIX	8175853	2012-05-08	12/057693	2008-03-28	GLOBALFOUNDRIES Inc.	Granted
MULTIPROCESSOR COMMUNICATION DEVICE AND METHODS THEREOF	8176303	2012-05-08	12/203456	2008-09-03	GLOBALFOUNDRIES Inc.	Granted
ONLINE MULTIPROCESSOR SYSTEM RELIABILITY DEFECT TESTING	8176362	2012-05-08	12/053642	2008-03-24	GLOBALFOUNDRIES Inc.	Granted

ANALYZING MULTIPLE INDUCED SYSTEMATIC AND STATISTICAL LAYOUT DEPENDENT EFFECTS ON CIRCUIT PERFORMANCE	8176444	2012-05-08	12/2426475	2009-04-20	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR COMPENSATING FOR VARIATIONS IN STRUCTURES OF AN INTEGRATED CIRCUIT	8176446	2012-05-08	12/208521	2008-09-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR GENERATING TEST PATTERNS FOR USE IN AT-SPEED TESTING	8176462	2012-05-08	12/464025	2009-05-11	GLOBALFOUNDRIES Inc.	Granted
MULTI-ANODE SYSTEM FOR UNIFORM PLATING OF ALLOYS	8177945	2012-05-15	11/627494	2007-01-26	GLOBALFOUNDRIES Inc.	Granted
SUSPENDED GERMANIUM PHOTODETECTOR FOR SILICON WAVEGUIDE	8178382	2012-05-15	13/005821	2011-01-13	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT SPACER FOR TUNNEL FEET	8178400	2012-05-15	12/567963	2009-09-28	GLOBALFOUNDRIES Inc.	Granted
N-TYPE CARRIER ENHANCEMENT IN SEMICONDUCTORS	8178430	2012-05-15	12/420258	2009-04-08	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR THE FORMATION OF FULLY SLICED METAL GATES	8178433	2012-05-15	12/246921	2008-10-07	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP EMBEDDED THERMAL ANTENNA FOR CHIP COOLING	8178434	2012-05-15	13/244998	2011-09-26	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL CONTACT STRUCTURE HAVING MULTIPLE METAL INTERCONNECT LEVELS STAGGERING ONE ANOTHER	8178908	2012-05-15	12/116470	2008-05-07	GLOBALFOUNDRIES Inc.	Granted
BRIDGE FOR SEMICONDUCTOR INTERNAL NODE	8178931	2012-05-15	12/235761	2008-12-16	GLOBALFOUNDRIES Inc.	Granted
TUNING A PROCESS CONTROLLER BASED ON A DYNAMIC SAMPLING RATE	8180471	2012-05-15	12/472624	2009-05-27	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR BROKERING FAULT DETECTION DATA	8180387	2012-05-15	10/094550	2002-03-08	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR PROBLEM DETERMINATION USING PROBE COLLECTIONS AND PROBLEM CLASSIFICATION FOR THE TECHNICAL SUPPORT SERVICES	8181069	2012-05-15	12/553337	2009-09-08	GLOBALFOUNDRIES Inc.	Granted
DIFFERENTIAL ALTERNATING PHASE SHIFT MASK OPTIMIZATION	8181126	2012-05-15	12/553505	2009-09-03	GLOBALFOUNDRIES Inc.	Granted
HOLD TRANSITION FAULT MODEL AND TEST GENERATION METHOD	8181135	2012-05-15	12/548977	2009-08-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FULL-FIELD SOLDER COVERAGE USING A VACUUM FILL HEAD	8181846	2012-05-22	13/100133	2011-05-03	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES WITH IMPROVED LOCAL MATCHING AND END RESISTANCE OF RX BASED RESISTORS	8183107	2012-05-22	12/473074	2009-05-27	GLOBALFOUNDRIES Inc.	Granted
REDUCED DEFECTIVITY IN CONTACTS OF A SEMICONDUCTOR DEVICE COMPRISING REPLACEMENT GATE ELECTRODE STRUCTURES BY USING AN INTERMEDIATE CAP LAYER	8183139	2012-05-22	12/963908	2010-12-09	GLOBALFOUNDRIES Inc.	Granted
REVERSING TONE OF PATTERNS ON INTEGRATED CIRCUIT AND NANOSCALE FABRICATION	8183694	2012-05-22	13/021774	2011-02-06	GLOBALFOUNDRIES Inc.	Granted
COMPENSATION OF VCO GAIN CURVE OFFSETS USING AUTO-CALIBRATION	8183949	2012-05-22	12/365919	2009-02-05	GLOBALFOUNDRIES Inc.	Granted
AUTO-CALIBRATION FOR RING OSCILLATOR VCO	8183950	2012-05-22	12/365921	2009-02-05	GLOBALFOUNDRIES Inc.	Granted
ARRANGEMENT IN A NETWORK REPEATER FOR MONITORING LINK INTEGRITY AND AUTOMATICALLY DOWN SHIFTING LINK SPEED	8184677	2012-05-22	09/256786	1999-02-24	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR SCHEDULING A STREAM OF PRODUCTS IN A MANUFACTURING ENVIRONMENT BY USING PROCESS-SPECIFIC WIP LIMITS	8185226	2012-05-22	12/119042	2008-05-12	GLOBALFOUNDRIES Inc.	Granted
CONTROLLING COMPUTER STORAGE SYSTEMS	8185779	2012-05-22	12/130216	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR PROVIDING ERROR CORRECTION CAPABILITY TO LONGITUDINAL POSITION DATA	8185803	2012-05-22	12/141962	2008-06-19	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD TO IMPROVE CHIP YIELD, RELIABILITY AND PERFORMANCE	8185859	2012-05-22	11/763781	2007-06-15	GLOBALFOUNDRIES Inc.	Granted
SOLID IMMERSION LENS LITHOGRAPHY	8187772	2012-05-29	10/961347	2004-10-08	GLOBALFOUNDRIES Inc.	Granted

FABRICATING PRODUCT CHIPS AND DIE WITH A FEATURE PATTERN THAT CONTAINS INFORMATION RELATING TO THE PRODUCT CHIP	8187897	2012-05-29	12/193825	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO FORM EDRAM ON SOI SUBSTRATE	8188528	2012-05-29	12/437242	2009-05-07	GLOBALFOUNDRIES Inc.	Granted
SOFT ERROR DETECTION FOR LATCHES	8188761	2012-05-29	13/026472	2011-02-14	GLOBALFOUNDRIES Inc.	Granted
MODULARIZED THREE-DIMENSIONAL CAPACITOR ARRAY	8188786	2012-05-29	12/565802	2009-09-24	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR NONVOLATILE MULTI-PROGRAMMABLE ELECTRONIC FUSE SYSTEM	8189419	2012-05-29	12/498175	2009-07-06	GLOBALFOUNDRIES Inc.	Granted
METHOD, CIRCUIT, AND DESIGN STRUCTURE FOR CAPTURING DATA ACROSS A PSEUDO-SYNCHRONOUS INTERFACE	8189723	2012-05-29	12/192571	2008-08-15	GLOBALFOUNDRIES Inc.	Granted
DETERMINING DIE PERFORMANCE BY INCORPORATING NEIGHBORING DIE PERFORMANCE METRICS	8190391	2012-05-29	11/692989	2007-03-29	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR EVOLVING EFFICIENT COMMUNICATION	8190615	2012-05-29	12/257884	2008-10-24	GLOBALFOUNDRIES Inc.	Granted
IDENTIFYING PARASITIC DIODE(S) IN AN INTEGRATED CIRCUIT PHYSICAL DESIGN	8191030	2012-05-29	12/337061	2008-12-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A LAND GRID ARRAY (LGA) INTERPOSER	8191245	2012-06-05	12/116317	2008-05-07	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING NON-PLANAR ELECTRONIC DEVICES HAVING SIDEWALL SPACERS FORMED ADJACENT SELECTED SURFACES	8192641	2012-06-05	12/508421	2009-07-23	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC SILICON-ON-INSULATOR SRAM CELL	8193062	2012-06-05	12/66717	2009-09-25	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC SOURCE AND DRAIN STRESSOR REGIONS	8193065	2012-06-05	13/099406	2011-05-03	GLOBALFOUNDRIES Inc.	Granted
PROTECTING EXPOSED METAL GATE STRUCTURES FROM ETCHING PROCESSES IN INTEGRATED CIRCUIT MANUFACTURING	8193099	2012-06-05	13/049933	2011-03-17	GLOBALFOUNDRIES Inc.	Granted
INTERPOSER INCLUDING VOLTAGE REGULATOR AND METHOD THEREFOR	8193799	2012-06-05	12/236003	2008-09-23	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE, STRUCTURE AND METHOD FOR PROVIDING AN ON-CHIP VARIABLE DELAY TRANSMISSION LINE WITH FIXED CHARACTERISTIC IMPEDANCE	8193878	2012-06-05	12/144684	2008-06-24	GLOBALFOUNDRIES Inc.	Granted
INDUCTOR HAVING OPENING ENCLOSED WITHIN CONDUCTIVE LINE AND RELATED METHOD	8193893	2012-06-05	12/053336	2008-03-26	GLOBALFOUNDRIES Inc.	Granted
EQUALIZER COMPUTATION IN A MEDIA SYSTEM USING A DATA SET SEPARATOR SEQUENCE	8194342	2012-06-05	13/096811	2011-04-28	GLOBALFOUNDRIES Inc.	Granted
LINK-BASED DVR SCHEDULING WITH CONFLICT RESOLUTION	8195035	2012-06-05	12/366721	2009-02-06	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR POWER MANAGEMENT AND METHOD	8195887	2012-06-05	12/356624	2009-01-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR REGULATING POWER CONSUMPTION	8195962	2012-06-05	12/268531	2008-11-11	GLOBALFOUNDRIES Inc.	Granted
HEURISTIC CLUSTERING OF CIRCUIT ELEMENTS IN A CIRCUIT DESIGN	8196074	2012-06-05	12/406439	2009-03-18	GLOBALFOUNDRIES Inc.	Granted
AUTONOMIC VERIFICATION OF HDL MODELS USING REAL-TIME STATISTICAL ANALYSIS AND LAYERED FEEDBACK STAGES	8196106	2012-06-05	12/057742	2008-03-28	GLOBALFOUNDRIES Inc.	Granted
HEAT FLOW MEASUREMENT TOOL FOR A RACK MOUNTED ASSEMBLY OF ELECTRONIC EQUIPMENT	8197124	2012-06-12	12/365990	2009-02-05	GLOBALFOUNDRIES Inc.	Granted
DEEP TRENCH CAPACITOR IN A SOI SUBSTRATE HAVING A LATERALLY PROTRUDING BURIED STRAP	8198169	2012-06-12	12/974451	2010-12-21	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD FOR PATTERNING VERTICAL CONTACTS AND METAL LINES IN A COMMON ETCH PROCESS	8198190	2012-06-12	12/103765	2008-04-16	GLOBALFOUNDRIES Inc.	Granted
LASER BEAM FORMATTING MODULE AND METHOD FOR FABRICATING SEMICONDUCTOR DIES USING SAME	8198611	2012-06-12	11/732340	2007-04-02	GLOBALFOUNDRIES Inc.	Granted

STRESS TRANSFER ENHANCEMENT IN TRANSISTORS BY A LATE GATE RE-CRYSTALLIZATION	8198633	2012-06-12	12/565020	2009-09-23	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR DUAL CONTACT TRENCH CAPACITOR AND STRUCTURE THEREOF	8198663	2012-06-12	12/181343	2008-07-29	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR STRUCTURES FOR THROUGH VIA IN SILICON CARRIERS	8198734	2012-06-12	12/550494	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR ADAPTIVE SIGNAL SAMPLING AND SAMPLE QUANTIZATION FOR RESOURCE CONSTRAINED STREAM PROCESSING	8199835	2012-06-12	11/753356	2007-05-30	GLOBALFOUNDRIES Inc.	Granted
SCALABLE REDUCTION IN REGISTERS WITH SAT-BASED RESUBSTITUTION	8201115	2012-06-12	12/191635	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR DYNAMIC AUTOMATED HINT GENERATION FOR ENHANCED REACHABILITY ANALYSIS	8201118	2012-06-12	12/475494	2009-05-30	GLOBALFOUNDRIES Inc.	Granted
WET DEVELOPABLE BOTTOM ANTIREFLECTIVE COATING COMPOSITION AND METHOD FOR USE THEREOF	8202678	2012-06-19	12/478442	2009-06-04	GLOBALFOUNDRIES Inc.	Granted
PATTERNABLE LOW-K DIELECTRIC INTERCONNECT STRUCTURE WITH A GRADED CAP LAYER AND METHOD OF FABRICATION	8202783	2012-06-19	12/569200	2009-09-29	GLOBALFOUNDRIES Inc.	Granted
CROSS-TALK REDUCTION IN ELECTRICAL INTERCONNECTS USING DIFFERENTIAL SIGNALING	8203206	2012-06-19	13/023959	2011-02-09	GLOBALFOUNDRIES Inc.	Granted
RECTIFYING ELEMENT FOR A CROSSPOINT BASED MEMORY ARRAY ARCHITECTURE	8203873	2012-06-19	12/110644	2008-04-28	GLOBALFOUNDRIES Inc.	Granted
METHODS AND SYSTEMS FOR MODEL-BASED MANAGEMENT USING ABSTRACT MODELS	8204719	2012-06-19	10/648179	2003-08-26	GLOBALFOUNDRIES Inc.	Granted
MICROCONTROLLER FOR LOGIC BUILT-IN SELF TEST (LBIST)	8205124	2012-06-19	12/268583	2008-11-11	GLOBALFOUNDRIES Inc.	Granted
MEMORY CONTROLLER FOR REDUCING TIME TO INITIALIZE MAIN MEMORY	8205138	2012-06-19	12/187511	2008-08-07	GLOBALFOUNDRIES Inc.	Granted
OPTICALLY TRANSPARENT WIRES FOR SECURE CIRCUITS AND METHODS OF MAKING SAME	8207609	2012-06-26	13/195255	2011-08-01	GLOBALFOUNDRIES Inc.	Granted
NONVOLATILE CMOS-COMPATIBLE LOGIC CIRCUITS AND RELATED OPERATING METHODS	8207757	2012-06-26	13/022231	2011-02-07	GLOBALFOUNDRIES Inc.	Granted
COMPUTER PROGRAM PRODUCT FOR CONTROLLING A STORAGE DEVICE HAVING PER-ELEMENT SELECTABLE POWER SUPPLY VOLTAGES	8208339	2012-06-26	13/115149	2011-05-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND APPARATUS FOR COOLING INTEGRATED CIRCUITS USING COOPER MICROCHANNELS	8210243	2012-07-03	12/177020	2008-07-21	GLOBALFOUNDRIES Inc.	Granted
NANOMICROWIRE SOLAR CELL FABRICATED BY NANOMICROSPHERE LITHOGRAPHY	8211735	2012-07-03	12/480163	2009-06-08	GLOBALFOUNDRIES Inc.	Granted
PLASTIC LAND GRID ARRAY (PLGA) MODULE AND PRINTED WIRING BOARD (PWB) WITH ENHANCED CONTACT METALLURGY CONSTRUCTION	8212156	2012-07-03	12/146757	2008-06-26	GLOBALFOUNDRIES Inc.	Granted
COLD TEMPERATURE CONTROL IN A SEMICONDUCTOR DEVICE	8212184	2012-07-03	12/390816	2009-02-23	GLOBALFOUNDRIES Inc.	Granted
BIAS-CONTROLLED DEEP TRENCH SUBSTRATE NOISE ISOLATION INTEGRATED CIRCUIT DEVICE STRUCTURES	8212332	2012-07-03	13/207480	2011-08-11	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHODS FOR PACKAGING INTEGRATED CIRCUIT CHIPS WITH ANTENNAS FORMED FROM PACKAGE LEAD WIRES	8212341	2012-07-03	12/422664	2009-04-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR REDUCING SEMICONDUCTOR PACKAGE TENSILE STRESS	8212346	2012-07-03	12/259357	2008-10-28	GLOBALFOUNDRIES Inc.	Granted
COMBINATION VIA AND PAD STRUCTURE FOR IMPROVED SOLDER BUMP ELECTROMIGRATION CHARACTERISTICS	8212357	2012-07-03	12/188235	2008-08-08	GLOBALFOUNDRIES Inc.	Granted
INTEGRATABLE EFFICIENT SWITCHING DOWN CONVERTER	8212357	2012-07-03	12/508235	2009-07-23	GLOBALFOUNDRIES Inc.	Granted

VERTICAL COPLANAR WAVEGUIDE WITH TUNABLE CHARACTERISTIC IMPEDANCE DESIGN STRUCTURE AND METHOD OF FABRICATING THE SAME	8212634	2012-07-03	12/478385	2009-06-04	GLOBALFOUNDRIES Inc.	Granted
CIRCUITS AND METHODS FOR CHARACTERIZING RANDOM VARIATIONS IN DEVICE CHARACTERISTICS IN SEMICONDUCTOR INTEGRATED CIRCUITS	8214169	2012-07-03	10/643193	2003-08-18	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGY FOR CORRELATED MEMORY FAIL ESTIMATIONS	8214190	2012-07-03	12/422420	2009-04-13	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR AN APPARATUS FOR MONITORING AND CONTROLLING HEAT GENERATION IN A MULTI-CORE PROCESSOR	8214660	2012-07-03	12/347947	2008-12-31	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT STRUCTURE AND METHOD FOR DIGITAL INTEGRATED CIRCUIT PERFORMANCE SCREENING	8214699	2012-07-03	12/147670	2008-06-27	GLOBALFOUNDRIES Inc.	Granted
MULTILAYER OPC FOR DESIGN AWARE MANUFACTURING	8214770	2012-07-03	12/357648	2009-01-22	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP LEAKAGE CURRENT MODELING AND MEASUREMENT CIRCUIT	8214777	2012-07-03	12/419377	2009-04-07	GLOBALFOUNDRIES Inc.	Granted
WIRE BONDING ON REACTIVE METAL SURFACES OF A METALLIZATION OF A SEMICONDUCTOR DEVICE BY PROVIDING A PROTECTION LAYER	8216880	2012-07-10	13/235653	2011-09-19	GLOBALFOUNDRIES Inc.	Granted
LATERAL HYPERABRUPT JUNCTION VARACTOR DIODE IN AN SOI SUBSTRATE	8216890	2012-07-10	12/550658	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING SEMICONDUCTOR DEVICES HAVING LOCAL CONTACTS	8216928	2012-07-10	13/014561	2011-01-26	GLOBALFOUNDRIES Inc.	Granted
DOUBLE-GATE SEMICONDUCTOR DEVICE WITH GATE CONTACTS FORMED ADJACENT SIDEWALLS OF A FIN	8217450	2012-07-10	10/770011	2004-02-03	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR DEVICE STRUCTURES WITH A BODY-TO-SUBSTRATE CONNECTION FOR ENHANCED ELECTROSTATIC DISCHARGE PROTECTION, AND DESIGN STRUCTURES FOR SUCH SEMICONDUCTOR-ON-INSULATOR DEVICE STRUCTURES	8217455	2012-07-10	12/102032	2008-04-14	GLOBALFOUNDRIES Inc.	Granted
LOW CAPACITANCE HEK DUAL WORK FUNCTION METAL GATE BODY-CONTACTED FIELD EFFECT TRANSISTOR	8217456	2012-07-10	13/046084	2011-03-11	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR PROTECTING GATE STACKS DURING FABRICATION OF SEMICONDUCTOR DEVICES AND SEMICONDUCTOR DEVICES FABRICATED FROM SUCH METHODS	8217463	2012-07-10	13/021403	2011-02-04	GLOBALFOUNDRIES Inc.	Granted
WORD-LINE LEVEL SHIFT CIRCUIT	8218378	2012-07-10	12/579089	2009-10-14	GLOBALFOUNDRIES Inc.	Granted
PHYSICAL DESIGN SYSTEM AND METHOD	8219943	2012-07-10	12/423603	2009-04-17	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR DEDICATED CODE HANDLING IN A MULTI-PROCESSOR ENVIRONMENT	8219981	2012-07-10	12/173093	2008-07-15	GLOBALFOUNDRIES Inc.	Granted
WORK BALANCING SCHEDULER FOR PROCESSOR CORES AND METHODS THEREOF	8219994	2012-07-10	12/256703	2008-10-23	GLOBALFOUNDRIES Inc.	Granted
THREE DIMENSIONAL INTEGRATED DEEP TRENCH DECOUPLING CAPACITORS	8222104	2012-07-17	12/509780	2009-07-27	GLOBALFOUNDRIES Inc.	Granted
FIN AND FINNET FORMATION BY ANGLED ION IMPLANTATION	8222154	2012-07-17	12/368561	2009-02-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR DESIGNING A DEVICE FOR ELECTRO-OPTICAL MODULATION OF LIGHT INCIDENT UPON THE DEVICE	8225241	2012-07-17	12/267820	2008-11-10	GLOBALFOUNDRIES Inc.	Granted
PLACEMENT AND OPTIMIZATION OF PROCESS DUMMY CELLS	8225255	2012-07-17	12/124472	2008-05-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING POLYMER FEATURES BY DIRECTED SELF-ASSEMBLY OF BLOCK COPOLYMERS	8226838	2012-07-24	12/061693	2008-04-03	GLOBALFOUNDRIES Inc.	Granted

PHOTOSENSITIVE SELF-ASSEMBLED MONOLAYER FOR SELECTIVE PLACEMENT OF HYDROPHILIC STRUCTURES	8227171	2012-07-24	13/047120	2011-03-14	GLOBALFOUNDRIES Inc.	Granted
PHOTOLITHOGRAPHY FOCUS IMPROVEMENT BY REDUCTION OF AUTOFOCUS RADIATION TRANSMISSION INTO SUBSTRATE	8227180	2012-07-24	13/158901	2011-06-13	GLOBALFOUNDRIES Inc.	Granted
REWORKABLE ELECTRONIC DEVICE ASSEMBLY AND METHOD	8227264	2012-07-24	13/071894	2011-03-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE WITH SELF ALIGNED RESIST LAYER ON AN INTERCONNECT SURFACE AND METHOD OF MAKING SAME	8227336	2012-07-24	12/356105	2009-01-20	GLOBALFOUNDRIES Inc.	Granted
STRIPED ON-CHIP INDUCTOR	8227891	2012-07-24	12/362877	2009-01-30	GLOBALFOUNDRIES Inc.	Granted
SWITCH WITH REDUCED INSERTION LOSS	8228112	2012-07-24	12/123735	2008-05-20	GLOBALFOUNDRIES Inc.	Granted
WRITING TO MEMORY USING ADAPTIVE WRITE TECHNIQUES	8230276	2012-07-24	12/568035	2009-09-28	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR IC WIRING YIELD OPTIMIZATION, INCLUDING WIRE WIDENING DURING AND AFTER ROUTING	8230378	2012-07-24	12/572297	2009-10-02	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR VIA STUB ELIMINATION	8230592	2012-07-31	12/193837	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MANUFACTURING AN ELECTRONIC DEVICE	8231692	2012-07-31	12/266329	2008-11-06	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF FORMING A TRANSISTOR WITH ASYMMETRIC CHANNEL AND SOURCE/DRAIN REGIONS	8232150	2012-07-31	12/351263	2009-01-09	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR MANUFACTURING ASYMMETRIC DEVICES	8232151	2012-07-31	13/167303	2011-06-23	GLOBALFOUNDRIES Inc.	Granted
FILM WRAPPED NEET NANOWIRE	8232165	2012-07-31	13/184004	2011-07-15	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE WITH ISOTROPIC SILICON RECESS PROFILE IN NANOSCALE DIMENSIONS	8232171	2012-07-31	12/561704	2009-09-17	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR SELF-ALIGNED SELF-ASSEMBLED PATTERNING ENHANCEMENT	8232211	2012-07-31	13/010326	2011-01-20	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR WITH HIGH-K DIELECTRIC SIDEWALL SPACER	82322604	2012-07-31	12/113510	2008-05-01	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE HAVING VARACTOR WITH PARALLEL DC PATH ADJACENT THERETO	8232624	2012-07-31	12/558839	2009-09-14	GLOBALFOUNDRIES Inc.	Granted
ESD NETWORK CIRCUIT WITH A THROUGH WAFER VIA STRUCTURE AND A METHOD OF MANUFACTURE	8232625	2012-07-31	12/411612	2009-03-26	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURES, DESIGN STRUCTURE AND METHOD OF MANUFACTURE	8232645	2012-07-31	12/191522	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP MILLIMETER WAVE RANGE COUPLER	8232851	2012-07-31	12/404535	2009-03-16	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED MILLIMETER WAVE ANTENNA AND TRANSCIEVER ON A SUBSTRATE	8232920	2012-07-31	12/187442	2008-08-07	GLOBALFOUNDRIES Inc.	Granted
VARIABLE DYNAMIC RANGE PIXEL SENSOR CELL, DESIGN STRUCTURE AND METHOD	8233070	2012-07-31	12/553457	2009-09-03	GLOBALFOUNDRIES Inc.	Granted
CONTENT ADDRESSABLE MEMORY WITH CONCURRENT READ AND SEARCH/COMPARE OPERATIONS AT THE SAME MEMORY CELL	8233302	2012-07-31	12/983995	2011-01-04	GLOBALFOUNDRIES Inc.	Granted
SRAM DELAY CIRCUIT THAT TRACKS BITCELL CHARACTERISTICS	8233337	2012-07-31	12/581440	2009-10-19	GLOBALFOUNDRIES Inc.	Granted
TOOL COMMONALITY AND STRATIFICATION ANALYSIS TO ENHANCE A PRODUCTION PROCESS	8234001	2012-07-31	12/568083	2009-09-28	GLOBALFOUNDRIES Inc.	Granted
SOFT ERROR CORRECTION IN SLEEPING PROCESSORS	8234554	2012-07-31	12/170462	2008-07-10	GLOBALFOUNDRIES Inc.	Granted
CO-OPTIMIZATION OF EMBEDDED SYSTEMS UTILIZING SYMBOLIC EXECUTION	8234604	2012-07-31	12/202500	2008-09-02	GLOBALFOUNDRIES Inc.	Granted
METAL WIRING STRUCTURE FOR INTEGRATION WITH THROUGH SUBSTRATE VIAS	8234606	2012-07-31	13/080716	2011-04-06	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR MODELING JO SIMULTANEOUS SWITCHING NOISE	8234611	2012-07-31	12/166550	2008-07-02	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR DEVELOPING EMBEDDED SOFTWARE IN-SITU	8234624	2012-07-31	11/626967	2007-01-25	GLOBALFOUNDRIES Inc.	Granted
FAULT-TOLERANT MUTUAL EXCLUSION LOCKS FOR SHARED MEMORY SYSTEMS	8234646	2012-07-31	12/136478	2008-06-10	GLOBALFOUNDRIES Inc.	Granted

COPPER CONTAMINATION DETECTION METHOD AND SYSTEM FOR MONITORING COPPER CONTAMINATION	8236580	2012-08-07	12/973062	2010-12-20	GLOBALFOUNDRIES Inc.	Granted
FORMING SEMICONDUCTOR CHIP CONNECTIONS	8236610	2012-08-07	12/471656	2009-05-26	GLOBALFOUNDRIES Inc.	Granted
HYBRID ORIENTATION SEMICONDUCTOR STRUCTURE WITH REDUCED BOUNDARY DEFECTS AND METHOD OF FORMING SAME	8236636	2012-08-07	12/972771	2010-12-20	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUITS HAVING PLACE-EFFICIENT CAPACITORS AND METHODS FOR FABRICATING THE SAME	8236645	2012-08-07	13/022416	2011-02-07	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED WELL IMPLANT FOR IMPROVING SHORT CHANNEL EFFECTS CONTROL, PARASITIC CAPACITANCE, AND JUNCTION LEAKAGE	8236661	2012-08-07	12/568287	2009-09-28	GLOBALFOUNDRIES Inc.	Granted
DUAL-DAMASCENE PROCESS TO FABRICATE THICK WIRE STRUCTURE	8236663	2012-08-07	12/564482	2009-09-22	GLOBALFOUNDRIES Inc.	Granted
CONDUCTOR STRUCTURE INCLUDING MANGANESE OXIDE CAPPING LAYER	8236683	2012-08-07	13/016340	2011-01-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A DEVICE USING LOW TEMPERATURE ANNEAL PROCESSES, A DEVICE AND DESIGN STRUCTURE	8236709	2012-08-07	13/511535	2009-07-29	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR HAVING A GATE STRUCTURE WITH A FIRST SECTION ABOVE A CENTER PORTION OF THE CHANNEL REGION AND HAVING A FIRST EFFECTIVE WORK FUNCTION AND SECOND SECTIONS ABOVE EDGES OF THE CHANNEL REGION AND HAVING A SECOND EFFECTIVE WORK FUNCTION	8237233	2012-08-07	12/194039	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP CAPACITORS WITH A VARIABLE CAPACITANCE FOR A RADIOFREQUENCY INTEGRATED CIRCUIT	8237243	2012-08-07	12/552317	2009-09-02	GLOBALFOUNDRIES Inc.	Granted
CMOS DEVICES INCORPORATING HYBRID ORIENTATION TECHNOLOGY (HOT) WITH EMBEDDED CONNECTORS	8237247	2012-08-07	12/555350	2009-09-08	GLOBALFOUNDRIES Inc.	Granted
ENHANCED ELECTROMIGRATION RESISTANCE IN TSV STRUCTURE AND DESIGN	8237288	2012-08-07	13/023743	2011-02-09	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR A ROBUST EMBEDDED INTERFACE	8239715	2012-08-07	12/144686	2008-06-24	GLOBALFOUNDRIES Inc.	Granted
METHOD OF DESIGNING MULTI-STATE RESTORE CIRCUITRY FOR RESTORING STATE TO A POWER MANAGED FUNCTIONAL BLOCK	8239791	2012-08-07	12/135250	2008-06-09	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR ESTIMATING LEAKAGE CURRENT OF AN ELECTRONIC CIRCUIT	8239794	2012-08-07	12/568985	2009-09-29	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CALCULATING CAPACITANCE GRADIENTS IN VLSI LAYOUTS USING A SHAPE PROCESSING ENGINE	8239804	2012-08-07	12/570418	2009-09-30	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR WIRELESS AND DYNAMIC INTRA-PROCESS MEASUREMENT OF INTEGRATED CIRCUIT PARAMETERS	8239811	2012-08-07	12/053705	2008-03-24	GLOBALFOUNDRIES Inc.	Granted
DATA STRUCTURE FOR DESCRIBING MBIST ARCHITECTURE	8239818	2012-08-07	13/080055	2011-04-05	GLOBALFOUNDRIES Inc.	Granted
METHODS RELATING TO CAPACITIVE MONITORING OF LAYER CHARACTERISTICS DURING BACK END-OF-THE-LINE PROCESSING	8241927	2012-08-14	12/579216	2009-10-14	GLOBALFOUNDRIES Inc.	Granted
CMOS WITH CHANNEL P-FINNET AND CHANNEL N-FINNET HAVING DIFFERENT CRYSTALLINE ORIENTATIONS AND PARALLEL FINS	8241970	2012-08-14	12/197459	2008-08-25	GLOBALFOUNDRIES Inc.	Granted
MOSFET WITH A NANOWIRE CHANNEL AND FULLY SILICIDED (FUSI) WRAPPED AROUND GATE	8241971	2012-08-14	12/561694	2009-09-17	GLOBALFOUNDRIES Inc.	Granted
ACTIVATION OF GRAPHENE BUFFER LAYERS ON SILICON CARBIDE BY ULTRA LOW TEMPERATURE OXIDATION	8242030	2012-08-14	12/566870	2009-09-25	GLOBALFOUNDRIES Inc.	Granted

SEMICONDUCTOR STRUCTURE HAVING REDUCED AMINE-BASED CONTAMINANTS	8242544	2012-08-14	11/004845	2004-12-07	GLOBALFOUNDRIES Inc.	Granted
ANTI-FUSE DEVICE STRUCTURE AND ELECTROPLATING CIRCUIT STRUCTURE AND METHOD	8242578	2012-08-14	13/072023	2011-03-25	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE VIA DEVICES IN BACK END OF LINE LEVEL	8243507	2012-08-14	13/107087	2011-05-13	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MINIMIZING PRODUCTIVITY LOSS WHILE USING A MANUFACTURING SCHEDULER	8244391	2012-08-14	12/127972	2008-05-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF VERIFICATION OF ADDRESS TRANSLATION MECHANISMS	8245164	2012-08-14	12/550419	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
SCHEDULING FOR PARALLEL PROCESSING OF REGIONALLY-CONSTRAINED PLACEMENT PROBLEM	8245173	2012-08-14	12/359369	2009-01-26	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MULTI-CYCLE CLOCK GATING	8245178	2012-08-14	12/501566	2009-07-13	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF ALPHA PARTICLE SHIELDS IN CHIP PACKAGING	8247271	2012-08-21	12/200352	2008-08-28	GLOBALFOUNDRIES Inc.	Granted
NONVOLATILE MEMORY DEVICE USING SEMICONDUCTOR NANOCRYSTALS AND METHOD OF FORMING SAME	8247292	2012-08-21	13/095577	2011-04-27	GLOBALFOUNDRIES Inc.	Granted
METHOD TO ENABLE THE PROCESS AND ENLARGE THE PROCESS WINDOW FOR SILICIDE, GERMANIDE OR GERMANOSILICIDE FORMATION IN STRUCTURES WITH EXTREMELY SMALL DIMENSIONS	8247319	2012-08-21	13/022474	2011-02-07	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE WITH REDUCED FRINGE CAPACITANCE	8247877	2012-08-21	12/550543	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR PROBING A WAFER	8248097	2012-08-21	12/417454	2009-04-02	GLOBALFOUNDRIES Inc.	Granted
OPTICAL WAVELENGTH SWITCH	8249124	2012-08-21	12/760368	2010-04-14	GLOBALFOUNDRIES Inc.	Granted
RECEIVER AND INTEGRATED AM-FM/Q DEMODULATORS FOR GIGABIT-RATE DATA DETECTION	8249542	2012-08-21	12/177252	2008-07-22	GLOBALFOUNDRIES Inc.	Granted
VERIFYING A PROCESSOR DESIGN USING A PROCESSOR SIMULATION MODEL	8249848	2012-08-21	12/182211	2008-07-30	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MAKING A PROCESSOR SIDEBAND INTERFACE ADHERE TO SECURE MODE RESTRICTIONS	8250354	2012-08-21	12/208071	2008-09-10	GLOBALFOUNDRIES Inc.	Granted
METHODS AND SYSTEMS FOR VARIABLE GROUP SELECTION AND TEMPORAL CAUSAL MODELING	8255346	2012-08-28	12/616534	2009-11-11	GLOBALFOUNDRIES Inc.	Granted
WEAR-LEVELING AND BAD BLOCK MANAGEMENT OF LIMITED LIFETIME MEMORY DEVICES	8255613	2012-08-28	12/433220	2009-04-30	GLOBALFOUNDRIES Inc.	Granted
LOGIC DESIGN VERIFICATION TECHNIQUES FOR LIVENESS CHECKING WITH RETIMING	8258488	2012-08-28	12/394560	2009-02-27	GLOBALFOUNDRIES Inc.	Granted
NETWORK FLOW BASED MODULE BOTTOM SURFACE METAL PIN ASSIGNMENT	8261226	2012-09-04	13/187196	2011-07-20	GLOBALFOUNDRIES Inc.	Granted
LOCATING A TESTABLE OBJECT IN A FUNCTIONAL TESTING TOOL	8261239	2012-09-04	10/745822	2003-12-23	GLOBALFOUNDRIES Inc.	Granted
AROMATIC VINYL ETHER BASED REVERSE-TONE STEP AND FLASH IMPRINT LITHOGRAPHY	8262961	2012-09-11	12/055513	2008-03-26	GLOBALFOUNDRIES Inc.	Granted
HIGH-YIELD METHOD OF EXPOSING AND CONTACTING THROUGH-SILICON VIAS	8263497	2012-09-11	12/352718	2009-01-13	GLOBALFOUNDRIES Inc.	Granted
METAL WIRING STRUCTURES FOR UNIFORM CURRENT DENSITY IN C4 BALLS	8264078	2012-09-11	13/324499	2011-12-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR LOW LATENCY PROPORTIONAL PATH IN A DIGITALLY CONTROLLED SYSTEM	8264285	2012-09-11	12/175012	2008-07-17	GLOBALFOUNDRIES Inc.	Granted
OPTICAL TRANSCIEVER MODULE WITH OPTICAL WINDOWS	8265432	2012-09-11	12/045186	2008-03-10	GLOBALFOUNDRIES Inc.	Granted

METHOD AND APPARATUS FOR GENERATING PROFILE OF SOLUTIONS TRADING OFF NUMBER OF ACTIVITIES UTILIZED AND OBJECTIVE VALUE FOR BILINEAR INTEGER OPTIMIZATION MODELS	8265971	2012-09-11	12/098172	2008-04-04	GLOBALFOUNDRIES Inc.	Granted
ELECTRIC VEHICLE CHARGING TRANSACTON INTERFACE FOR MANAGING ELECTRIC VEHICLE CHARGING TRANSACTONS	8266075	2012-09-11	12/139574	2008-06-16	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC PROVISIONAL DECOMPOSITION OF LITHOGRAPHIC PATTERNS HAVING DIFFERENT INTERACTION RANGES	8266554	2012-09-11	13/204440	2011-08-05	GLOBALFOUNDRIES Inc.	Granted
REACTURING CONTINUOUS PHOTOLITHOGRAPHY MASKS	8266556	2012-09-11	12/849171	2010-08-03	GLOBALFOUNDRIES Inc.	Granted
ORDERING OF STATISTICAL CORRELATED QUANTITIES	8266565	2012-09-11	12/696186	2010-01-29	GLOBALFOUNDRIES Inc.	Granted
STABILITY-DEPENDENT SPARE CELL INSERTION	8266566	2012-09-11	12/879516	2010-09-10	GLOBALFOUNDRIES Inc.	Granted
SELF ORIENTING MICRO PLATES OF THERMALLY CONDUCTING MATERIAL AS COMPONENT IN THERMAL PASTE OR ADHESIVE	8268282	2012-09-18	11/758457	2007-06-05	GLOBALFOUNDRIES Inc.	Granted
PRECAST THERMAL INTERFACE ADHESIVE FOR EASY AND REPEATED, SEPARATION AND REMATING	8268389	2012-09-18	12/684174	2010-01-08	GLOBALFOUNDRIES Inc.	Granted
MATERIALS CONTAINING VOIDS WITH VOID SIZE CONTROLLED ON THE NANOMETER SCALE	8268411	2012-09-18	12/538117	2009-08-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING REFUSES OF ENHANCED PROGRAMMING EFFICIENCY	8268679	2012-09-18	12/579654	2009-10-15	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF IMPROVED SOI SUBSTRATES USING BULK SEMICONDUCTOR WAFERS	8268698	2012-09-18	13/037608	2011-03-01	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING FINNET SEMICONDUCTOR DEVICES USING PLANARIZED SPACERS	8268727	2012-09-18	12/426827	2009-04-20	GLOBALFOUNDRIES Inc.	Granted
SMOOTH AND VERTICAL SEMICONDUCTOR FIN STRUCTURE	8268729	2012-09-18	12/195691	2008-08-21	GLOBALFOUNDRIES Inc.	Granted
SYMBOLIC DEPTH-FIRST SEARCHES USING CONTROL FLOW INFORMATION FOR IMPROVED REACHABILITY ANALYSIS	8271253	2012-09-18	11/687427	2007-03-16	GLOBALFOUNDRIES Inc.	Granted
CORRECTING ERRORS IN LONGITUDINAL POSITION (LPOS) WORDS	8271857	2012-09-18	12/119975	2008-05-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR DESIGN AND MODELING OF TRANSMISSION LINES	8271913	2012-09-18	12/564061	2009-09-22	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING METAL OXIDE NANOSTRUCTURES, AND NANOSTRUCTURES THEREOF	8273413	2012-09-25	12/496784	2009-07-02	GLOBALFOUNDRIES Inc.	Granted
SUPER LATTICE/QUANTUM WELL NANOWIRES	8273591	2012-09-25	12/054886	2008-03-25	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT STRUCTURES AND METHODS WITH BEOL LAYERS CONFIGURED TO BLOCK ELECTROMAGNETIC EDGE INTERFERENCE	8273648	2012-09-25	13/369592	2012-02-09	GLOBALFOUNDRIES Inc.	Granted
METHOD TO PREVENT SURFACE DECOMPOSITION OF III-V COMPOUND SEMICONDUCTORS	8273649	2012-09-25	12/272129	2008-11-17	GLOBALFOUNDRIES Inc.	Granted
RADIATION SENSITIVE SELF-ASSEMBLED MONOLAYERS AND USES THEREOF	8273886	2012-09-25	12/199607	2008-08-27	GLOBALFOUNDRIES Inc.	Granted
ULTRATHIN SPACER FORMATION FOR CARBON-BASED BET	8274072	2012-09-25	13/401967	2012-02-22	GLOBALFOUNDRIES Inc.	Granted
DETERMINING COMPONENT FAILURE RATES USING ACCELERATED LIFE DATA	8275575	2012-09-25	12/408401	2009-03-20	GLOBALFOUNDRIES Inc.	Granted
SOFTWARE TABLE WALK DURING TEST VERIFICATION OF A SIMULATED DENSELY THREADED NETWORK ON A CHIP	8275598	2012-09-25	12/395784	2009-03-02	GLOBALFOUNDRIES Inc.	Granted
DATA STORAGE SYSTEMS	8276038	2012-09-25	11/833274	2007-08-03	GLOBALFOUNDRIES Inc.	Granted
ERROR DETECTION DEVICE AND METHODS THEREOF	8276039	2012-09-25	12/394701	2009-02-27	GLOBALFOUNDRIES Inc.	Granted
BCC INTERLEAVING FOR MULTI-TRACK RECORDING ON MAGNETIC TAPE	8276045	2012-09-25	12/351738	2009-01-09	GLOBALFOUNDRIES Inc.	Granted
SPATIAL CORRELATION-BASED ESTIMATION OF YIELD OF INTEGRATED CIRCUITS	8276102	2012-09-25	12/718567	2010-03-05	GLOBALFOUNDRIES Inc.	Granted

AUTOMATIC POSITIONING OF GATE ARRAY CIRCUITS IN AN INTEGRATED CIRCUIT DESIGN	8276105	2012-09-25	12/563021	2009-09-18	GLOBALFOUNDRIES Inc.	Granted
SWARM INTELLIGENCE FOR ELECTRICAL DESIGN SPACE MODELING AND OPTIMIZATION	8276106	2012-09-25	12/398535	2009-03-05	GLOBALFOUNDRIES Inc.	Granted
REPROGRAMMABLE FUSE STRUCTURE AND METHOD	8278155	2012-10-02	13/100456	2011-05-04	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURES AND METHODS OF MANUFACTURING THE SAME	8278164	2012-10-02	12/700059	2010-02-04	GLOBALFOUNDRIES Inc.	Granted
METHOD TO TAILOR LOCATION OF PEAK ELECTRIC FIELD DIRECTLY UNDERNEATH AN EXTENSION SPACER FOR ENHANCED PROGRAMMABILITY OF A PROMPT-SHIFT DEVICE	8278197	2012-10-02	12/130460	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
THROUGH BOARD STACKING OF MULTIPLE TGA-CONNECTED COMPONENTS	8278745	2012-10-02	12/543104	2009-08-18	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR AN ON-CHIP HIGH FREQUENCY ELECTRO-STATIC DISCHARGE DEVICE	8279572	2012-10-02	12/144095	2008-06-23	GLOBALFOUNDRIES Inc.	Granted
SINGLE SUPPLY SUB VDD BIT-LINE PRECHARGE SRAM AND METHOD FOR LEVEL SHIFTING	8279687	2012-10-02	12/779608	2010-05-13	GLOBALFOUNDRIES Inc.	Granted
PROCESSOR INSTRUCTIONS FOR IMPROVED AES ENCRYPTION AND DECRYPTION	8280040	2012-10-02	12/265543	2009-02-04	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC GENERATION OF TEST SUITE FOR PROCESSOR ARCHITECTURE COMPLIANCE	8280713	2012-10-02	11/735310	2007-04-16	GLOBALFOUNDRIES Inc.	Granted
PROPAGATING DESIGN TOLERANCES TO SHAPE TOLERANCES FOR LITHOGRAPHY	8281263	2012-10-02	12/640129	2009-12-17	GLOBALFOUNDRIES Inc.	Granted
CREATING SCAN CHAIN DEFINITION FROM HIGH-LEVEL MODEL USING HIGH-LEVEL MODEL SIMULATION	8281279	2012-10-02	12/963246	2010-12-08	GLOBALFOUNDRIES Inc.	Granted
SINGLE MASK ADDER PHASE CHANGE MEMORY ELEMENT	8283202	2012-10-09	12/549997	2009-08-28	GLOBALFOUNDRIES Inc.	Granted
MOS STRUCTURES THAT EXHIBIT LOWER CONTACT RESISTANCE AND METHODS FOR FABRICATING THE SAME	8283233	2012-10-09	13/156170	2011-06-08	GLOBALFOUNDRIES Inc.	Granted
THERMALLY EXCITED NEAR-FIELD SOURCE	8283636	2012-10-09	13/443062	2012-04-10	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE HAVING SUBSTANTIALLY PARALLEL RESISTOR MATERIAL LENGTHS	8284017	2012-10-09	13/283328	2011-10-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR EVALUATING A MACHINE TOOL OPERATING CHARACTERISTICS	8285414	2012-10-09	12/415348	2009-03-31	GLOBALFOUNDRIES Inc.	Granted
FAST ROUTING OF CUSTOM MACROS	8286115	2012-10-09	12/330664	2008-12-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FULL-FIELD SOLDER COVERAGE BY INVERTING A FILL HEAD AND A MOLD	8286855	2012-10-16	13/442322	2012-04-09	GLOBALFOUNDRIES Inc.	Granted
APPLICATION OF CLUSTER BEAM IMPLANTATION FOR FABRICATING THRESHOLD VOLTAGE ADJUSTED FEES	8288222	2012-10-16	12/582139	2009-10-20	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR HAVING NANOSTRUCTURE CHANNEL	8288236	2012-10-16	13/345252	2012-01-06	GLOBALFOUNDRIES Inc.	Granted
ENHANCED ELECTROMIGRATION RESISTANCE IN TSV STRUCTURE AND DESIGN	8288270	2012-10-16	13/397004	2012-02-15	GLOBALFOUNDRIES Inc.	Granted
NOISE COUPLING REDUCTION AND IMPEDANCE DISCONTINUITY CONTROL IN HIGH-SPEED CERAMIC MODULES	8288657	2012-10-16	12/577259	2009-10-12	GLOBALFOUNDRIES Inc.	Granted
TUNNEL FIELD EFFECT DEVICES	8288803	2012-10-16	12/550857	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC FIELD EFFECT TRANSISTOR STRUCTURE AND METHOD	8288806	2012-10-16	13/246175	2011-09-27	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR (SOI) STRUCTURES INCLUDING GRADIENT NITRIDED BURIED OXIDE (BOX)	8288826	2012-10-16	13/290634	2011-11-07	GLOBALFOUNDRIES Inc.	Granted
VIA CONTACT STRUCTURE HAVING DUAL SILICIDE LAYERS	8288828	2012-10-16	10/711298	2004-09-09	GLOBALFOUNDRIES Inc.	Granted
PIEZOELECTRIC BASED ENERGY SUPPLY USING INDEPENDENT PIEZOELECTRIC COMPONENTS	8288923	2012-10-16	12/557122	2009-09-10	GLOBALFOUNDRIES Inc.	Granted
MOTOR CONTROL MECHANISM FOR ELECTRIC VEHICLES	8288979	2012-10-16	12/355495	2009-01-16	GLOBALFOUNDRIES Inc.	Granted

MULTI-OUTPUT PLL OUTPUT SHIFT	8289058	2012-10-16	13/413825	2012-03-07	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR HIGH DENSITY DATA STORAGE AND IMAGING	8289833	2012-10-16	13/275441	2011-10-18	GLOBALFOUNDRIES Inc.	Granted
CHARGE-BASED CIRCUIT ANALYSIS	8290760	2012-10-16	12/163318	2008-06-27	GLOBALFOUNDRIES Inc.	Granted
METHOD, APPARATUS AND SYSTEM FOR REDUCING POWER CONSUMPTION BASED ON STORAGE DEVICE DATA MIGRATION	8291245	2012-10-16	12/492056	2009-06-25	GLOBALFOUNDRIES Inc.	Granted
PROCESS OF MAKING A LITHOGRAPHIC STRUCTURE USING ANTIREFLECTIVE MATERIALS	8293454	2012-10-23	12/199253	2008-11-18	GLOBALFOUNDRIES Inc.	Granted
BODY THE TEST STRUCTURE FOR ACCURATE BODY EFFECT MEASUREMENT	8293606	2012-10-23	12/973377	2010-12-20	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING A TRANSISTOR DEVICE HAVING ASYMMETRIC EMBEDDED STRAIN ELEMENTS	8293609	2012-10-23	13/355221	2012-01-20	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING A METAL GATE STACK OF REDUCED HEIGHT AND METHOD OF FORMING THE SAME	8293610	2012-10-23	12/204395	2008-09-04	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED DUAL DEPTH ISOLATION AND METHOD OF FABRICATION	8293615	2012-10-23	13/070568	2011-03-24	GLOBALFOUNDRIES Inc.	Granted
MICROWAVE READOUT FOR FLUX-BIASED QUBITS	8294138	2012-10-23	13/026339	2011-02-14	GLOBALFOUNDRIES Inc.	Granted
BAND EDGE ENGINEERED VT OFFSET DEVICE	8294222	2012-10-23	12/342194	2008-12-23	GLOBALFOUNDRIES Inc.	Granted
SILICON CARRIER STRUCTURE AND METHOD OF FORMING SAME	8295056	2012-10-23	12/507591	2009-07-22	GLOBALFOUNDRIES Inc.	Granted
SAT-BASED SYNTHESIS OF A CLOCK GATING FUNCTION	8296256	2012-10-23	12/579442	2009-10-15	GLOBALFOUNDRIES Inc.	Granted
SOFT WARE FACTORY READINESS REVIEW	8296719	2012-10-23	11/735152	2007-04-13	GLOBALFOUNDRIES Inc.	Granted
HEAT SINK ASSEMBLY	8297342	2012-10-30	12/493319	2009-06-29	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT SOCKET	8297986	2012-10-30	11/687529	2007-03-16	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING A BONDED SEMICONDUCTOR SUBSTRATE INCLUDING A COOLING MECHANISM	8298860	2012-10-30	13/038467	2011-03-02	GLOBALFOUNDRIES Inc.	Granted
METAL GATE AND HIGH-K DIELECTRIC DEVICES WITH PEEI CHANNEL SIZE	8298882	2012-10-30	12/563032	2009-09-18	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE THRESHOLD VOLTAGE IMPLANTS FOR LONG CHANNEL DEVICES	8298895	2012-10-30	13/285282	2011-10-31	GLOBALFOUNDRIES Inc.	Granted
COMPACT THERMALLY CONTROLLED THIN FILM RESISTORS UTILIZING SUBSTRATE CONTACTS AND METHODS OF MANUFACTURE	8298904	2012-10-30	13/008465	2011-01-18	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF FORMING ENHANCED ARRAY DEVICE ISOLATION FOR IMPLANTED PLATE EDRAM	8298907	2012-10-30	13/323033	2011-12-12	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE AND METHOD OF MANUFACTURING SAME	8298912	2012-10-30	13/080326	2011-04-05	GLOBALFOUNDRIES Inc.	Granted
3D INTEGRATED CIRCUIT DEVICE FABRICATION USING INTERFACE WAFER AS PERMANENT CARRIER	8298914	2012-10-30	12/194198	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR WET SINGULATION USING A DICING SINGULATION STRUCTURE	8298917	2012-10-30	12/423254	2009-04-14	GLOBALFOUNDRIES Inc.	Granted
INTERLEVEL CONDUCTIVE LIGHT SHIELD	8299475	2012-10-30	13/408141	2012-02-29	GLOBALFOUNDRIES Inc.	Granted
PIXEL SENSOR CELL WITH A DUAL WORK FUNCTION GATE ELECTRODE	8299505	2012-10-30	13/029670	2011-02-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING DEEP TRENCH CAPACITOR	8299515	2012-10-30	13/023047	2011-02-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR SUBSTRATE AND STRUCTURE INCLUDING MULTIPLE ORDER RADIO FREQUENCY HARMONIC SUPPRESSING REGION	8299537	2012-10-30	12/369099	2009-02-11	GLOBALFOUNDRIES Inc.	Granted

FIELD EFFECT TRANSISTOR HAVING OHMIC BODY CONTACT(S), AN INTEGRATED CIRCUIT STRUCTURE INCORPORATING STACKED FIELD EFFECT TRANSISTORS WITH SUCH OHMIC BODY CONTACTS AND ASSOCIATED METHODS	8299544	2012-10-30	12/983925	2011-01-04	GLOBALFOUNDRIES Inc.	Granted
LATERAL EXTENDED DRAIN METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (LEDMOSEFT) WITH TAPERED DIELECTRIC PLATES	8299547	2012-10-30	12/983439	2011-01-03	GLOBALFOUNDRIES Inc.	Granted
IMAGE SENSOR, METHOD AND DESIGN STRUCTURE INCLUDING NON-PLANAR REFLECTOR	8299554	2012-10-30	12/550640	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED SCHOOTKY DIODE	8299558	2012-10-30	13/197414	2011-08-03	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING A BONDED SEMICONDUCTOR SUBSTRATE INCLUDING A COOLING MECHANISM	8299563	2012-10-30	13/408658	2012-02-29	GLOBALFOUNDRIES Inc.	Granted
DAMAGE PROPAGATION BARRIER	8299568	2012-10-30	13/028332	2011-02-16	GLOBALFOUNDRIES Inc.	Granted
FUSE CONTAINING SIGE STACK	8299570	2012-10-30	13/189016	2011-07-22	GLOBALFOUNDRIES Inc.	Granted
PRODUCT CHIPS AND DIE WITH A FEATURE PATTERN THAT CONTAINS INFORMATION RELATING TO THE PRODUCT CHIP	8299609	2012-10-30	13/360055	2012-01-27	GLOBALFOUNDRIES Inc.	Granted
IC HAVING VIABAR INTERCONNECTON AND RELATED METHOD	8299622	2012-10-30	12/186061	2008-08-05	GLOBALFOUNDRIES Inc.	Granted
PREVENTING METASTABILITY OF A DIVIDE-BY-TWO QUADRATURE DIVIDER	8299823	2012-10-30	13/010878	2011-01-21	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR IMPROVING STORAGE LATCH SUSCEPTIBILITY TO SINGLE EVENT UPSETS	8300452	2012-10-30	13/050052	2011-03-17	GLOBALFOUNDRIES Inc.	Granted
METHOD, CIRCUIT, AND DESIGN STRUCTURE FOR CAPTURING DATA ACROSS A PSEUDO-SYNCHRONOUS INTERFACE	8300752	2012-10-30	12/192586	2008-08-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR MEASURING PERFORMANCE OF HIERARCHICAL TEST EQUIPMENT	8301412	2012-10-30	12/411476	2009-03-26	GLOBALFOUNDRIES Inc.	Granted
MANAGING CONCURRENT ACCESSSES TO A CACHE	8301847	2012-10-30	13/032361	2011-02-22	GLOBALFOUNDRIES Inc.	Granted
SKEMED DOUBLE DIFFERENTIAL PAIR CIRCUIT FOR OFFSET CANCELLATION	8302037	2012-10-30	12/494642	2009-06-30	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR ELECTROCHEMICAL PROCESSING OF THIN FILMS ON RESISTIVE SUBSTRATES	8303791	2012-11-06	12/198274	2008-08-26	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING SEMICONDUCTOR DEVICES	8303831	2012-11-06	12/505961	2009-07-20	GLOBALFOUNDRIES Inc.	Granted
GERMANIUM PHOTODETECTOR	8304272	2012-11-06	13/024724	2011-02-10	GLOBALFOUNDRIES Inc.	Granted
FIELD-BASED SIMILARITY SEARCH SYSTEM AND METHOD	8306755	2012-11-06	13/113256	2011-05-23	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR THERMAL MODELING OF DATA CENTERS TO IMPROVE ENERGY EFFICIENCY	8306794	2012-11-06	12/146852	2008-06-26	GLOBALFOUNDRIES Inc.	Granted
ADVANCED MEMORY DEVICE HAVING IMPROVED PERFORMANCE, REDUCED POWER AND INCREASED RELIABILITY	8307270	2012-11-06	12/553400	2009-09-03	GLOBALFOUNDRIES Inc.	Granted
SPIN-CURRENT SWITCHABLE MAGNETIC MEMORY ELEMENT AND METHOD OF FABRICATING THE MEMORY ELEMENT	8310863	2012-11-13	13/020925	2011-02-04	GLOBALFOUNDRIES Inc.	Granted
HARDWARE BASED MULTI-DIMENSIONAL ENCRYPTION	8311222	2012-11-13	12/198239	2008-08-26	GLOBALFOUNDRIES Inc.	Granted
MULTI-SEGMENTS MODELING BOND WIRE INTERCONNECTS WITH 2D SIMULATIONS IN HIGH SPEED, HIGH DENSITY WIRE BOND PACKAGES	8312404	2012-11-13	12/492198	2009-06-26	GLOBALFOUNDRIES Inc.	Granted
MODIFICATIONS OF AUDIO COMMUNICATIONS IN AN ONLINE ENVIRONMENT	8315409	2012-11-20	12/211435	2008-09-16	GLOBALFOUNDRIES Inc.	Granted
SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING MONITOR DATA INFORMATION FROM A PLURALITY OF MEMORY DEVICES HAVING FINITE ENDURANCE AND/OR RETENTION	8316173	2012-11-20	12/420628	2009-04-08	GLOBALFOUNDRIES Inc.	Granted

COLLECTING FAILURE INFORMATION ON ERROR CORRECTION CODE (ECC) PROTECTED DATA	8316284	2012-11-20	12/260402	2009-01-27	GLOBALFOUNDRIES Inc.	Granted
MULTISTAGE HYBRID SYNTHESIS PROCESSING FACILITATING INTEGRATED CIRCUIT LAYOUT	8316335	2012-11-20	12/063677	2010-12-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PRODUCING A LAND GRID ARRAY (LGA) INTERPOSER STRUCTURE	8316540	2012-11-27	12/212927	2008-09-18	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CREATING AN ERROR CORRECTION CODING SCHEME	8321762	2012-11-27	12/129778	2008-05-30	GLOBALFOUNDRIES Inc.	Granted
MODEL-BASED RETARGETING OF LAYOUT PATTERNS FOR SUB-WAVELENGTH PHOTOLITHOGRAPHY	8321818	2012-11-27	12/492301	2009-06-26	GLOBALFOUNDRIES Inc.	Granted
HEAT TRANSFER DEVICE IN A ROTATING STRUCTURE	8322980	2012-12-04	13/015767	2011-01-28	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED NANOPARTICLE FILMS AND METHOD FOR THEIR FORMATION IN SELECTIVE AREAS ON A SURFACE	8323608	2012-12-04	13/299612	2012-02-17	GLOBALFOUNDRIES Inc.	Granted
COMPLEMENTARY STRESS LINER TO IMPROVE DGO/AVT DEVICES AND POLY AND DIFFUSION RESISTORS	8324041	2012-12-04	13/023794	2011-02-09	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING SEMICONDUCTOR DEVICES INCLUDING AZEOTROPIC DRYING PROCESSES	8324093	2012-12-04	12/508417	2009-07-23	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR IMPEDING REVERSE ENGINEERING	8324102	2012-12-04	13/169248	2011-06-27	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING A PHOTOLITHOGRAPHIC MASK AND FOR FABRICATING A SEMICONDUCTOR INTEGRATED CIRCUIT USING SUCH A MASK	8324106	2012-12-04	13/079647	2011-04-04	GLOBALFOUNDRIES Inc.	Granted
AMPLIFIERS USING GATED DIODES	8324667	2012-12-04	10/751714	2004-01-05	GLOBALFOUNDRIES Inc.	Granted
TUNNEL JUNCTION VIA	8324734	2012-12-04	13/264494	2012-02-02	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING DUAL SPEED LEVEL SHIFTER WITH AUTOMATIC MODE CONTROL	8324933	2012-12-04	13/030516	2011-02-18	GLOBALFOUNDRIES Inc.	Granted
RECOVERING THE STRUCTURE OF SPARSE MARKOV NETWORKS FROM HIGH-DIMENSIONAL DATA	8326787	2012-12-04	12/551297	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR ANALYSIS OF LOGIC DESIGNS WITH TRANSIENT LOGIC	8327302	2012-12-04	12/580330	2009-10-16	GLOBALFOUNDRIES Inc.	Granted
ASSESSING PRINTABILITY OF A VERY-LARGE-SCALE INTEGRATION DESIGN	8327312	2012-12-04	13/191750	2011-07-27	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR FORMING SOLDER BUMPS INTERCONNECTS	8328156	2012-12-11	13/371840	2012-02-13	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING A SEMICONDUCTOR DEVICE HAVING DECREASED CONTACT RESISTANCE	8329519	2012-12-11	13/305449	2011-11-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING AN ALLOY IN AN INTERCONNECT STRUCTURE TO INCREASE ELECTROMIGRATION RESISTANCE	8329577	2012-12-11	13/015293	2011-01-27	GLOBALFOUNDRIES Inc.	Granted
PORE PHASE CHANGE MATERIAL CELL FABRICATED FROM RECESSED PILLAR	8330137	2012-12-11	13/084088	2011-04-11	GLOBALFOUNDRIES Inc.	Granted
METHOD TO REDUCE MOL. DAMAGE ON NISI	8330235	2012-12-11	13/096511	2011-04-28	GLOBALFOUNDRIES Inc.	Granted
UNIVERSAL INTER-LAYER INTERCONNECT FOR MULTI-LAYER SEMICONDUCTOR STACKS	8330489	2012-12-11	12/431259	2009-04-28	GLOBALFOUNDRIES Inc.	Granted
INCREASED CAPACITY HETEROGENEOUS STORAGE ELEMENTS	8331168	2012-12-11	12/433157	2009-04-30	GLOBALFOUNDRIES Inc.	Granted
SYSTEM TO REDUCE THE TIME AND COMPLEXITY OF SELF CONFIGURING SYSTEMS	8332562	2012-12-11	12/562540	2009-09-18	GLOBALFOUNDRIES Inc.	Granted
CONTROL OF CRITICAL DIMENSIONS IN OPTICAL IMAGING PROCESSES FOR SEMICONDUCTOR PRODUCTION BY EXTRACTING IMAGING IMPERFECTIONS ON THE BASIS OF IMAGING TOOL SPECIFIC INTENSITY MEASUREMENTS AND SIMULATIONS	8332783	2012-12-11	12/965488	2010-12-10	GLOBALFOUNDRIES Inc.	Granted
MIXED LITHOGRAPHY WITH DUAL RESIST AND A SINGLE PATTERN TRANSFER	8334090	2012-12-18	13/015668	2011-01-28	GLOBALFOUNDRIES Inc.	Granted

METHODS FOR FORMING ISOLATED FIN STRUCTURES ON BULK SEMICONDUCTOR MATERIAL.	8334177	2012-12-18	13/278010	2011-10-20	GLOBALFOUNDRIES Inc.	Granted
EARLY EMBEDDED SILICON GERMANIUM WITH INSITU BORON DOPING AND OXIDENITRIDE PROXIMITY SPACER	8334185	2012-12-18	13/089799	2011-04-19	GLOBALFOUNDRIES Inc.	Granted
PIXEL SENSORS OF MULTIPLE PIXEL SIZE AND METHODS OF IMPLANT DOSE CONTROL	8334195	2012-12-18	12/556139	2009-09-09	GLOBALFOUNDRIES Inc.	Granted
APPARATUS, SYSTEM, AND METHOD FOR EFFICIENT USE OF MIRRORRED STORAGE CLOUDS	8335859	2012-12-18	12/486513	2009-06-17	GLOBALFOUNDRIES Inc.	Granted
CHARACTERIZATION OF LONG RANGE VARIABILITY	8336008	2012-12-18	12/569421	2009-09-29	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING AN ELECTRICALLY CORRECT INTEGRATED CIRCUIT	8336011	2012-12-18	13/022432	2011-02-07	GLOBALFOUNDRIES Inc.	Granted
CLEANING EXHAUST SCREENS IN A MANUFACTURING PROCESS	8337627	2012-12-25	12/571477	2009-10-01	GLOBALFOUNDRIES Inc.	Granted
GREENSHEET VIA REPAIR/FILL TOOL.	8337646	2012-12-25	12/197366	2008-08-25	GLOBALFOUNDRIES Inc.	Granted
METHOD TO REDUCE A VIA AREA IN A PHASE CHANGE MEMORY CELL	8338225	2012-12-25	13/350817	2012-01-16	GLOBALFOUNDRIES Inc.	Granted
VERTICAL HETEROJUNCTION BIPOLAR TRANSISTORS WITH REDUCED BASE-COLLECTOR JUNCTION CAPACITANCE	8338863	2012-12-25	13/467385	2012-05-09	GLOBALFOUNDRIES Inc.	Granted
PACKAGE INTEGRATED SOFT MAGNETIC FILM FOR IMPROVEMENT IN ON-CHIP INDUCTOR PERFORMANCE	8338920	2012-12-25	11/690682	2007-05-08	GLOBALFOUNDRIES Inc.	Granted
SYSTEM TO IMPROVE CORELESS PACKAGE CONNECTIONS	8338949	2012-12-25	13/369273	2012-02-08	GLOBALFOUNDRIES Inc.	Granted
DUAL BETA RATIO SRAM	8339893	2012-12-25	12/566862	2009-09-25	GLOBALFOUNDRIES Inc.	Granted
MONITORING A PROCESS SECTOR IN A PRODUCTION FACILITY	8340800	2012-12-25	12/175018	2008-07-17	GLOBALFOUNDRIES Inc.	Granted
ASYNCHRONOUS DELETION OF A RANGE OF MESSAGES PROCESSED BY A PARALLEL DATABASE REPLICATION APPLY PROCESS	8341134	2012-12-25	12/964807	2010-12-10	GLOBALFOUNDRIES Inc.	Granted
ADAPTIVE ENDURANCE CODING OF NON-VOLATILE MEMORIES	8341501	2012-12-25	12/433669	2009-04-30	GLOBALFOUNDRIES Inc.	Granted
TASK-BASED MULTI-PROCESS DESIGN SYNTHESIS WITH REPRODUCIBLE TRANSFORMS	8341565	2012-12-25	12/972980	2010-12-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR RUN-TIME STATISTICS DEPENDENT PROGRAM EXECUTION USING SOURCE-CODING	8341612	2012-12-25	11/749295	2007-05-16	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PRODUCING A LAND GRID ARRAY (LGA) INTERPOSER STRUCTURE	8341834	2013-01-01	12/75563	2008-11-21	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING MULTIPLE DIFFERENT TYPES OF DIES FOR MEMORY STACKING	8343804	2013-01-01	13/364346	2012-02-02	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A TRANSISTOR COMPRISING HIGH-K METAL GATE ELECTRODE STRUCTURES INCLUDING A POLYCRYSTALLINE SEMICONDUCTOR MATERIAL AND EMBEDDED STRAIN-INDUCING SEMICONDUCTOR ALLOYS	8343826	2013-01-01	13/198209	2011-08-04	GLOBALFOUNDRIES Inc.	Granted
RECESSED GATE CHANNEL WITH LOW VT CORNER	8343836	2013-01-01	13/363944	2012-02-01	GLOBALFOUNDRIES Inc.	Granted
N-TYPE CARRIER ENHANCEMENT IN SEMICONDUCTORS	8343863	2013-01-01	13/357656	2012-01-25	GLOBALFOUNDRIES Inc.	Granted
DRAM WITH SCHOTTKY BARRIER FET AND MIN TRENCH CAPACITOR	8343864	2013-01-01	13/073103	2011-03-28	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHODOLOGY FOR REDUCING EFFECTIVE DIELECTRIC CONSTANT IN SEMICONDUCTOR DEVICES	8343868	2013-01-01	13/005201	2011-01-12	GLOBALFOUNDRIES Inc.	Granted
ENHANCED QUALITY OF LASER ABLATION BY CONTROLLING LASER REPETITION RATE	8344286	2013-01-01	11/624235	2007-01-18	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MEMORY DEVICE WITH PLATED PHASE CHANGE MATERIAL	8344351	2013-01-01	13/159594	2011-06-14	GLOBALFOUNDRIES Inc.	Granted

SELF-CALIBRATED, BROADBAND, TUNABLE, ACTIVE FILTER WITH UNITY GAIN CELLS FOR MULTI-STANDARD AND/OR MULTIBAND CHANNEL SELECTION	8344795	2013-01-01	13/010249	2011-01-20	GLOBALFOUNDRIES Inc.	Granted
CHARACTERIZING THERMOMECHANICAL PROPERTIES OF AN ORGANIC SUBSTRATE USING FINITE ELEMENT ANALYSIS	8345955	2013-01-01	12/260693	2008-10-29	GLOBALFOUNDRIES Inc.	Granted
SIMULATING AN OPERATION OF A DIGITAL CIRCUIT	8346527	2013-01-01	12/251201	2009-01-09	GLOBALFOUNDRIES Inc.	Granted
EQUIVALENT DEVICE STATISTICAL MODELING FOR BITLINE LEAKAGE MODELING	8346528	2013-01-01	12/251777	2009-09-01	GLOBALFOUNDRIES Inc.	Granted
PLACEMENT AND OPTIMIZATION OF PROCESS DUMMY CELLS	8347246	2013-01-01	13/435795	2012-03-30	GLOBALFOUNDRIES Inc.	Granted
VISUALIZATION INTERFACE OF CONTINUOUS WAVEFORM MULTI-SPEAKER IDENTIFICATION	8347247	2013-01-01	12/253472	2008-10-17	GLOBALFOUNDRIES Inc.	Granted
INCREMENTAL TIMING OPTIMIZATION AND PLACEMENT	8347249	2013-01-01	12/416754	2009-04-01	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT ENHANCEMENT BY MULTIPLICATE-LAYER-HANDLING CIRCUIT SIMULATION	8347259	2013-01-01	13/193721	2011-07-29	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING SELF-ASSEMBLED PATTERNS USING BLOCK COPOLYMERS, AND ARTICLES THEREOF	8349203	2013-01-08	12/554175	2009-09-04	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE FLOATING BODY SRAM CELL	8349670	2013-01-08	13/045756	2011-03-11	GLOBALFOUNDRIES Inc.	Granted
FORMING BORDERLESS CONTACT FOR TRANSISTORS IN A REPLACEMENT METAL GATE PROCESS	8349674	2013-01-08	13/073151	2011-03-28	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH AIR GAP DIELECTRIC	8349697	2013-01-08	13/537334	2012-06-29	GLOBALFOUNDRIES Inc.	Granted
HYBRID BONDING INTERFACE FOR 3-DIMENSIONAL CHIP INTEGRATION	8349729	2013-01-08	13/418716	2012-03-13	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR (SOI) STRUCTURE AND METHOD OF FORMING THE SOI STRUCTURE USING A BULK SEMICONDUCTOR STARTING WAFER	8350269	2013-01-08	13/455174	2012-04-25	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE INCLUDING HIGH FIELD REGIONS AND RELATED METHOD	8350338	2013-01-08	13/023042	2011-02-08	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH CHANNEL REGION EDGE AND CENTER PORTIONS HAVING DIFFERENT BAND STRUCTURES FOR SUPPRESSED CORNER LEAKAGE	8350343	2013-01-08	13/362019	2012-01-31	GLOBALFOUNDRIES Inc.	Granted
IC CHIP PACKAGE HAVING IC CHIP WITH OVERHANG AND/OR BGA BLOCKING UNDERFILL MATERIAL FLOW AND RELATED METHODS	8350383	2013-01-08	12/503870	2009-07-16	GLOBALFOUNDRIES Inc.	Granted
FLASH ANALOG TO DIGITAL CONVERTER WITH METHOD AND SYSTEM FOR DYNAMIC CALIBRATION	8350737	2013-01-08	13/004883	2011-01-12	GLOBALFOUNDRIES Inc.	Granted
TRACK AND HOLD AMPLIFIERS AND DIGITAL CALIBRATION FOR ANALOG-TO-DIGITAL CONVERTERS	8350738	2013-01-08	13/010285	2011-01-20	GLOBALFOUNDRIES Inc.	Granted
LEAKAGE SENSOR AND SWITCH DEVICE FOR DEEP-TRENCH CAPACITOR ARRAY	8351166	2013-01-08	12/508665	2009-07-24	GLOBALFOUNDRIES Inc.	Granted
NETWORK INTERFACE SYSTEMS AND METHODS FOR OFFLOADING SEGMENTATION AND/OR CHECKSUMMING WITH SECURITY	8351445	2013-01-08	10/870318	2004-06-17	GLOBALFOUNDRIES Inc.	Granted
PROCESSING	8352231	2013-01-08	12/191441	2008-08-14	GLOBALFOUNDRIES Inc.	Granted
SYSTEM FOR PERFORMING A CO-SIMULATION AND/OR EMULATION OF HARDWARE AND SOFTWARE	8352670	2013-01-08	12/272951	2008-11-18	GLOBALFOUNDRIES Inc.	Granted
EXECUTE-ONLY MEMORY AND MECHANISM ENABLING EXECUTION FROM EXECUTE-ONLY MEMORY FOR MINIVISOR	8352894	2013-01-08	13/440399	2012-02-23	GLOBALFOUNDRIES Inc.	Granted
VERIFICATION TECHNIQUES FOR LIVENESS CHECKING OF LOGIC DESIGNS	8352895	2013-01-08	12/974170	2010-12-21	GLOBALFOUNDRIES Inc.	Granted
MODEL LIBRARY IMPLEMENTATION AND METHODOLOGY FOR WORST CASE PERFORMANCE MODELING FOR SRAM CELLS						

ANALYTIC EXPERIMENTAL ESTIMATOR FOR IMPACT OF VOLTAGE-OVERSHOOT OF VOLTAGE WAVEFORM ON DIELECTRIC FAILURE/BREAKDOWN	8352900	2013-01-08	13/356681	2012-01-24	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE AND CIRCUIT INCLUDING ORDERED ARRANGEMENT OF GRAPHENE NANORIBBONS, AND METHODS OF FORMING SAME	8354296	2013-01-15	13/009048	2011-01-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PROVIDING THRESHOLD VOLTAGE ADJUSTMENT THROUGH GATE DIELECTRIC STACK MODIFICATION	8354309	2013-01-15	13/347014	2012-01-10	GLOBALFOUNDRIES Inc.	Granted
METHODS OF CONTROLLING FIN HEIGHT OF FINFET DEVICES BY PERFORMING A DIRECTIONAL DEPOSITION PROCESS	8354320	2013-01-15	13/369482	2012-02-09	GLOBALFOUNDRIES Inc.	Granted
POST DEPOSITION METHOD FOR REGROWTH OF CRYSTALLINE PHASE CHANGE MATERIAL	8354659	2013-01-15	13/150705	2011-06-01	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED STRESSOR FOR SEMICONDUCTOR STRUCTURES	8354720	2013-01-15	13/529558	2012-06-21	GLOBALFOUNDRIES Inc.	Granted
SMALL AREA, ROBUST SILICON VIA STRUCTURE AND PROCESS	8354737	2013-01-15	12/983552	2011-01-03	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURE FOR ELECTROMIGRATION ENHANCEMENT	8354751	2013-01-15	12/139704	2008-06-16	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHOD FOR HARDENING LATCHES IN SOI CMOS DEVICES	8354858	2013-01-15	12/987106	2011-01-08	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL DETECTION WITH MOSFET SENSOR	8354876	2013-01-15	13/550967	2012-07-17	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUE FOR EXPOSING A PLACERHOLDER MATERIAL IN A REPLACEMENT GATE APPROACH BY MODIFYING A REMOVAL RATE OF STRESSED DIELECTRIC OVERLAYERS	8357575	2013-01-22	13/550435	2012-07-16	GLOBALFOUNDRIES Inc.	Granted
REDUCING PATTERNING VARIABILITY OF TRENCHES IN METALLIZATION LAYER STACKS WITH A LOW-K MATERIAL BY REDUCING CONTAMINATION OF TRENCH DIELECTRICS	8357610	2013-01-22	12/355112	2009-01-16	GLOBALFOUNDRIES Inc.	Granted
PARALLEL FAULT DETECTION	8359494	2013-01-22	10/23272	2002-12-18	GLOBALFOUNDRIES Inc.	Granted
RESOLVING DOUBLE PATTERNING CONFLICTS	8359556	2013-01-22	13/171530	2011-06-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR GENERATING TEST PATTERNS FOR USE IN AT-SPEED TESTING	8359565	2013-01-22	13/439188	2012-04-04	GLOBALFOUNDRIES Inc.	Granted
SUBSTRATE ANCHOR STRUCTURE AND METHOD	8361598	2013-01-29	12/985456	2011-01-06	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR REDUCING TIP-TO-TIP SPACING BETWEEN LINES	8361704	2013-01-29	12/352051	2009-01-12	GLOBALFOUNDRIES Inc.	Granted
STRESSED CHANNEL FET WITH SOURCE/DRAIN BUFFERS	8361847	2013-01-29	13/009029	2011-01-19	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PROGRAMMING ELECTRICAL ANTIFUSE	8361887	2013-01-29	13/362043	2012-01-31	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING FINFET SEMICONDUCTOR DEVICES WITH DIFFERENT FIN HEIGHTS	8361894	2013-01-29	13/439185	2012-04-04	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR NANOSTRUCTURES, SEMICONDUCTOR DEVICES, AND METHODS OF MAKING SAME	8362382	2013-01-29	13/041754	2011-03-07	GLOBALFOUNDRIES Inc.	Granted
ENGINEERED INTERCONNECT DIELECTRIC CAPS HAVING COMPRESSIVE STRESS AND INTERCONNECT STRUCTURES CONTAINING SAME	8362396	2013-01-29	12/502690	2009-07-14	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT STACK	8363402	2013-01-29	12/678298	2008-09-17	GLOBALFOUNDRIES Inc.	Granted
TEMPERATURE CONTROL DEVICE FOR OPTOELECTRONIC DEVICES	8363686	2013-01-29	13/363995	2012-02-01	GLOBALFOUNDRIES Inc.	Granted
MULTI-MODE MULTIPLEXING USING STAGED COUPLING AND QUASI-PHASE-MATCHING	8363987	2013-01-29	12/552387	2009-09-02	GLOBALFOUNDRIES Inc.	Granted
SOLUTIONS FOR ON-CHIP MODELING OF OPEN TERMINATION OF FRINGE CAPACITANCE	8365117	2013-01-29	13/158562	2011-06-13	GLOBALFOUNDRIES Inc.	Granted
BROKEN-SPHERES METHODOLOGY FOR IMPROVED FAILURE PROBABILITY ANALYSIS IN MULTI-FAIL REGIONS	8365118	2013-01-29	12/477361	2009-06-03	GLOBALFOUNDRIES Inc.	Granted
SHAPE CHARACTERIZATION WITH ELLIPTIC FOURIER DESCRIPTOR FOR CONTACT OR ANY CLOSED STRUCTURES ON THE CHIP	8367430	2013-02-05	12/575068	2009-10-07	GLOBALFOUNDRIES Inc.	Granted

ANTIFUSE STRUCTURE FOR IN LINE CIRCUIT MODIFICATION	8367483	2013-02-05	13/260203	2012-01-27	GLOBALFOUNDRIES Inc.	Granted
ANTIFUSE STRUCTURE FOR IN LINE CIRCUIT MODIFICATION	8367484	2013-02-05	13/260248	2012-01-27	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED SILICON GERMANIUM N-TYPE FILLED EFFECT TRANSISTOR FOR REDUCED FLOATING BODY EFFECT	8367485	2013-02-05	12/551941	2009-09-01	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL FUSE FORMED BY REPLACEMENT METAL GATE PROCESS	8367494	2013-02-05	13/080019	2011-04-05	GLOBALFOUNDRIES Inc.	Granted
SCAVANGING METAL STACK FOR A HIGH K GATE DIELECTRIC	8367496	2013-02-05	13/099790	2011-05-03	GLOBALFOUNDRIES Inc.	Granted
MULTILAYER-INTERCONNECTION FIRST INTEGRATION SCHEME FOR GRAPHENE AND CARBON NANOTUBE TRANSISTOR BASED INTEGRATION	8368053	2013-02-05	13/039475	2011-03-03	GLOBALFOUNDRIES Inc.	Granted
ANTIFUSE STRUCTURE FOR IN LINE CIRCUIT MODIFICATION	8368069	2013-02-05	13/360270	2012-01-27	GLOBALFOUNDRIES Inc.	Granted
ANTIFUSE STRUCTURE FOR IN LINE CIRCUIT MODIFICATION	8368070	2013-02-05	13/360277	2012-01-27	GLOBALFOUNDRIES Inc.	Granted
STRAINED THIN BODY SEMICONDUCTOR-ON-INSULATOR SUBSTRATE AND DEVICE	8368143	2013-02-05	13/301360	2011-11-21	GLOBALFOUNDRIES Inc.	Granted
WORK FUNCTION ENGINEERING FOR EDRAM MOSFETS	8372721	2013-02-12	13/343850	2012-01-05	GLOBALFOUNDRIES Inc.	Granted
FABRICATING A CONTACT RHODIUM STRUCTURE BY ELECTROPLATING AND ELECTROPLATING COMPOSITION	8372744	2013-02-12	11/737926	2007-04-20	GLOBALFOUNDRIES Inc.	Granted
TEMPERATURE MONITORING IN A SEMICONDUCTOR DEVICE BY THERMOCOUPLES DISTRIBUTED IN THE CONTACT STRUCTURE	8373244	2013-02-12	12/169020	2008-07-08	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC DISCHARGE (ESD) SILICON CONTROLLED RECTIFIER (SCR) STRUCTURE	8373267	2013-02-12	13/196404	2011-08-02	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR A FREQUENCY ADAPTIVE LEVEL SHIFTER CIRCUIT	8373486	2013-02-12	13/431599	2012-03-27	GLOBALFOUNDRIES Inc.	Granted
WRITE BANDWIDTH IN A MEMORY CHARACTERIZED BY A VARIABLE WRITE TIME	8374040	2013-02-12	13/034936	2011-02-25	GLOBALFOUNDRIES Inc.	Granted
SOFT-BOUNDED HIERARCHICAL SYNTHESIS	8375345	2013-02-12	13/298490	2012-02-16	GLOBALFOUNDRIES Inc.	Granted
TRANSISTORS HAVING A CHANNEL SEMICONDUCTOR ALLOY FORMED IN AN EARLY PROCESS STAGE BASED ON A HARD MASK	8377773	2013-02-19	13/285600	2011-10-31	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR WITH ASYMMETRIC SILICON GERMANIUM SOURCE REGION	8377781	2013-02-19	13/230083	2011-09-12	GLOBALFOUNDRIES Inc.	Granted
SCHOTTKY BARRIER DIODE AND METHOD OF FORMING A SCHOTTKY BARRIER DIODE	8377810	2013-02-19	11/736599	2007-04-18	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE FLOATING BODY SRAM CELL	8378429	2013-02-19	13/045784	2011-03-11	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY PROGRAMMABLE FUSE AND FABRICATION METHOD	8378447	2013-02-19	13/085632	2011-04-13	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR OPTICAL MODULATION	8378465	2013-02-19	13/005246	2011-01-12	GLOBALFOUNDRIES Inc.	Granted
METHOD, A SYSTEM AND A PROGRAM STORAGE DEVICE FOR MODELING THE RESISTANCE OF A MULTI-CONTACTED DIFFUSION REGION	8381147	2013-02-19	13/151313	2011-06-02	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PERFORMING A PARALLEL STATIC TIMING ANALYSIS USING THREAD-SPECIFIC SUB-GRAPHS	8381150	2013-02-19	13/151295	2011-06-02	GLOBALFOUNDRIES Inc.	Granted
3D INTER-STRATUM CONNECTIVITY ROBUSTNESS	8381156	2013-02-19	13/217381	2011-08-25	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR PROVIDING A SECURE "GRAY BOX" VIEW PROPRIETARY IP	8381161	2013-02-19	13/289140	2011-11-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING THROUGH SUBSTRATE VIAS IN SEMICONDUCTOR SUBSTRATE	8383460	2013-02-26	13/243502	2011-09-23	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING REPLACEMENT GATE STRUCTURES FOR SEMICONDUCTOR DEVICES	8383473	2013-02-26	13/445547	2012-04-12	GLOBALFOUNDRIES Inc.	Granted
BORDERLESS CONTACT FOR ULTRA-THIN BODY DEVICES	8383490	2013-02-26	13/191540	2011-07-27	GLOBALFOUNDRIES Inc.	Granted
VERTICAL FIELD EFFECT TRANSISTOR ARRAYS AND METHODS FOR FABRICATION THEREOF	8383501	2013-02-26	13/185055	2011-07-18	GLOBALFOUNDRIES Inc.	Granted

METHODS FOR FORMING SEMICONDUCTOR STRUCTURES USING SELECTIVELY-FORMED SIDEWALL SPACERS	8383503	2013-02-26	12/536223	2009-08-05	GLOBALFOUNDRIES Inc.	Granted
SOLDER BALL CONTACT SUSCEPTIBLE TO LOWER STRESS	8383505	2013-02-26	13/080105	2011-04-05	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING AIR GAP INTERCONNECT STRUCTURES	8383507	2013-02-26	13/351370	2012-01-17	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING METALLIZATION LAYERS OF REDUCED INTERLAYER CAPACITANCE BY REDUCING THE AMOUNT OF ETCH STOP MATERIALS	8383510	2013-02-26	13/040399	2011-03-04	GLOBALFOUNDRIES Inc.	Granted
GATE-ALL-AROUND NANOWIRE FIELD EFFECT TRANSISTORS	8384065	2013-02-26	12/631199	2009-12-04	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR A SILICON CONTROLLED RECTIFIER (SCR) STRUCTURE FOR SOI TECHNOLOGY	8384125	2013-02-26	13/035549	2011-02-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR DUAL CONTACT TRENCH CAPACITOR AND STRUCTURE THEREOF	8384140	2013-02-26	12/181341	2008-07-29	GLOBALFOUNDRIES Inc.	Granted
NON-VOLATILE MEMORY DEVICE USING HOT-CARRIER INJECTION	8384145	2013-02-26	12/692923	2010-01-25	GLOBALFOUNDRIES Inc.	Granted
INCREASING RELIABILITY OF COPPER-BASED METALLIZATION STRUCTURES IN A MICROSTRUCTURE DEVICE BY USING ALUMINUM NITRIDE	8384217	2013-02-26	13/487647	2012-06-04	GLOBALFOUNDRIES Inc.	Granted
BACK SIDE METALLIZATION WITH SUPERIOR ADHESION IN HIGH-PERFORMANCE SEMICONDUCTOR DEVICES	8384218	2013-02-26	12/886812	2010-09-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR END-TO-END NETWORK CONGESTION MANAGEMENT	8385207	2013-02-26	12/127631	2008-05-27	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP NON-VOLATILE STORAGE OF A TEST-TIME PROFILE FOR EFFICIENCY AND PERFORMANCE CONTROL	8386859	2013-02-26	12/771387	2010-04-30	GLOBALFOUNDRIES Inc.	Granted
LENGTHENING LIFE OF A LIMITED LIFE MEMORY	8386883	2013-02-26	12/391547	2009-02-24	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT DESIGN CHECKING FOR THREE DIMENSIONAL CHIP TECHNOLOGY	8386977	2013-02-26	13/113421	2011-05-23	GLOBALFOUNDRIES Inc.	Granted
TIMING DRIVEN ROUTING IN INTEGRATED CIRCUIT DESIGN	8386985	2013-02-26	13/102776	2011-05-06	GLOBALFOUNDRIES Inc.	Granted
CHROMELESS PHASE-SHIFTING PHOTOMASK WITH UNDERCUT RIM-SHIFTING ELEMENT	8389183	2013-03-05	12/702787	2010-02-09	GLOBALFOUNDRIES Inc.	Granted
HETEROJUNCTION BIPOLAR TRANSISTORS WITH REDUCED BASE RESISTANCE	8389372	2013-03-05	12/951516	2010-11-22	GLOBALFOUNDRIES Inc.	Granted
CONTACT ELEMENTS OF SEMICONDUCTOR DEVICES FORMED ON THE BASIS OF A PARTIALLY APPLIED ACTIVATION LAYER	8389401	2013-03-05	12/910979	2010-10-25	GLOBALFOUNDRIES Inc.	Granted
PHOTO-PATTERNABLE DIELECTRIC MATERIALS CURABLE TO POROUS DIELECTRIC MATERIALS, FORMULATIONS, PRECURSORS AND METHODS OF USE THEREOF	8389663	2013-03-05	12/575515	2009-10-08	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE VIA DEVICES	8389967	2013-03-05	11/874582	2007-10-18	GLOBALFOUNDRIES Inc.	Granted
MIM CAPACITOR AND METHOD OF MAKING SAME	8390038	2013-03-05	12/133425	2008-06-05	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC DISCHARGE PROTECTION DEVICE AND METHOD OF FABRICATING SAME	8390068	2013-03-05	13/361051	2012-01-30	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR LATCHUP IMPROVEMENT USING THROUGH WAFER VIA LATCHUP GUARD RING	8390074	2013-03-05	13/150437	2011-06-01	GLOBALFOUNDRIES Inc.	Granted
SEALED AIR GAP FOR SEMICONDUCTOR CHIP	8390079	2013-03-05	12/914132	2010-10-28	GLOBALFOUNDRIES Inc.	Granted
CORROSION SENSORS	8390306	2013-03-05	12/854416	2010-08-11	GLOBALFOUNDRIES Inc.	Granted
HIGH ENERGY DENSITY STORAGE MATERIAL DEVICE USING NANOCHANNEL STRUCTURE	8390987	2013-03-05	13/559095	2012-07-26	GLOBALFOUNDRIES Inc.	Granted
TASK-BASED MULTI-PROCESS DESIGN SYNTHESIS WITH NOTIFICATION OF TRANSFORM SIGNATURES	8392866	2013-03-05	12/972934	2010-12-20	GLOBALFOUNDRIES Inc.	Granted

SYSTEM, METHOD AND PROGRAM STORAGE DEVICE FOR DEVELOPING CONDENSED NETLISTS REPRESENTATIVE OF GROUPS OF ACTIVE DEVICES IN AN INTEGRATED CIRCUIT AND FOR MODELING THE PERFORMANCE OF THE INTEGRATED CIRCUIT BASED ON THE CONDENSED NETLISTS	8392867	2013-03-05	13/005599	2011-01-13	GLOBALFOUNDRIES Inc.	Granted
DECOMPOSITION WITH MULTIPLE EXPOSURES IN A PROCESS WINDOW BASED OPC FLOW USING TOLERANCE BANDS	8392871	2013-03-05	12/770791	2010-04-30	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR STRESS LATCHING IN NON-PLANAR SEMICONDUCTOR DEVICES	8394684	2013-03-12	12/841408	2010-07-22	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES HAVING STRESSOR REGIONS AND RELATED FABRICATION METHODS	8394691	2013-03-12	12/814346	2010-06-11	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES FABRICATED BY DOPED MATERIAL LAYER AS DOPANT SOURCE	8394710	2013-03-12	12/819440	2010-06-21	GLOBALFOUNDRIES Inc.	Granted
CAPACITY-FREE INTERFACE BETWEEN EXTENSION REGIONS AND EMBEDDED SILICON-CARBON ALLOY SOURCE/DRAIN REGIONS	8394712	2013-03-12	13/101260	2011-05-05	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY SELECTIVE DEPOSITION OF CARBON NANOTUBES ONTO A SUBSTRATE	8394727	2013-03-12	13/588382	2012-08-17	GLOBALFOUNDRIES Inc.	Granted
AVAILANCHE IMPACT IONIZATION AMPLIFICATION DEVICES	8395103	2013-03-12	13/455307	2012-04-25	GLOBALFOUNDRIES Inc.	Granted
SINGLE MASK ADDER PHASE CHANGE MEMORY ELEMENT	8395192	2013-03-12	13/004471	2011-01-11	GLOBALFOUNDRIES Inc.	Granted
HYDROGEN BARRIER LINER FOR FERRO-ELECTRIC RANDOM ACCESS MEMORY (GRAM) CHIP	8395196	2013-03-12	12/946915	2010-11-16	GLOBALFOUNDRIES Inc.	Granted
ISOLATION IN CMOSFET DEVICES UTILIZING BURIED AIR BAGS	8395217	2013-03-12	13/283031	2011-10-27	GLOBALFOUNDRIES Inc.	Granted
NANOMESH SRAM CELL	8395220	2013-03-12	13/417829	2012-03-12	GLOBALFOUNDRIES Inc.	Granted
HIGH-SPEED ELECTROSTATIC ACTUATION OF MEMS-BASED DEVICES	8395877	2013-03-12	12/370356	2009-02-12	GLOBALFOUNDRIES Inc.	Granted
MANAGING MEMORY REFRESHES	8397100	2013-03-12	12/723743	2010-03-15	GLOBALFOUNDRIES Inc.	Granted
GENERATION OF ASYMMETRIC CIRCUIT DEVICES	8397183	2013-03-12	12/699621	2010-02-03	GLOBALFOUNDRIES Inc.	Granted
MODEL CHECKING IN STATE TRANSITION MACHINE VERIFICATION	8397189	2013-03-12	13/097193	2011-04-29	GLOBALFOUNDRIES Inc.	Granted
PROOF BASED BOUNDED MODEL CHECKING	8397192	2013-03-12	13/447221	2012-04-15	GLOBALFOUNDRIES Inc.	Granted
DIRECTED SELF-ASSEMBLY OF BLOCK COPOLYMERS USING SEGMENTED PREPATTERNS	8398868	2013-03-19	12/468391	2009-05-19	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FABRICATING PHOTOMASKS FOR IMPROVING DAMASCENE WIRE UNIFORMITY WITHOUT REDUCING PERFORMANCE	8399181	2013-03-19	13/344676	2012-01-10	GLOBALFOUNDRIES Inc.	Granted
TEST STRUCTURE FOR DETECTION OF GAP IN CONDUCTIVE LAYER OF MULTILAYER GATE STACK	8399266	2013-03-19	13/013133	2011-01-25	GLOBALFOUNDRIES Inc.	Granted
FABRICATING A SEMICONDUCTOR CHIP WITH BACKSIDE OPTICAL VIAS	8399292	2013-03-19	12/827825	2010-06-30	GLOBALFOUNDRIES Inc.	Granted
P-FET WITH A STRAINED NANOWIRE CHANNEL AND EMBEDDED SIGE SOURCE AND DRAIN STRESSORS	8399314	2013-03-19	12/731241	2010-03-25	GLOBALFOUNDRIES Inc.	Granted
SOPHISTICATED METALLIZATION SYSTEMS IN SEMICONDUCTORS FORMED BY REMOVING DAMAGED DIELECTRIC LAYERS AFTER FORMING THE METAL FEATURES	8399335	2013-03-19	12/970117	2010-12-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING A 3D INTEGRATED CIRCUIT DEVICE HAVING LOWER-COST ACTIVE CIRCUITRY LAYERS STACKED BEFORE HIGHER-COST ACTIVE CIRCUITRY LAYER	8399336	2013-03-19	12/194211	2008-08-19	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING SELF-ALIGNED CONTACT BARS AND METAL LINES WITH INCREASED VIA LANDING REGIONS	8399352	2013-03-19	13/331606	2011-12-20	GLOBALFOUNDRIES Inc.	Granted

SEMICONDUCTOR STRUCTURE INCLUDING A HIGH PERFORMANCE FET AND A HIGH VOLTAGE FET ON AN SOI SUBSTRATE	8399927	2013-03-19	13/67646	2012-02-07	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING SILICON ON STRESSED LAYER (SOL)	8399933	2013-03-19	13/665764	2012-02-03	GLOBALFOUNDRIES Inc.	Granted
BALL GRID ARRAY WITH IMPROVED SINGLE-ENDED AND DIFFERENTIAL SIGNAL PERFORMANCE	8399981	2013-03-19	13/614102	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
REDUCING THROUGH PROCESS DELAY VARIATION IN METAL WIRES	8402398	2013-03-19	13/157909	2011-06-10	GLOBALFOUNDRIES Inc.	Granted
MULTI-CHIP RETICLE PHOTOMASKS	8404430	2013-03-26	13/195307	2011-08-01	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD OF REDUCING JUNCTION LEAKAGE	8404540	2013-03-26	13/446602	2012-04-13	GLOBALFOUNDRIES Inc.	Granted
LOGIC ELEMENT, AND INTEGRATED CIRCUIT OR FIELD PROGRAMMABLE GATE ARRAY	8405124	2013-03-26	12/350329	2009-01-08	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR HIGH DENSITY STABLE STATIC RANDOM ACCESS MEMORY	8405129	2013-03-26	13/450004	2012-04-18	GLOBALFOUNDRIES Inc.	Granted
CHIP PACKAGE WITH CHANNEL STIFFENER FRAME	8405187	2013-03-26	13/158048	2011-06-10	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD OF MAKING SEMICONDUCTOR DEVICE	8405226	2013-03-26	13/495195	2012-06-13	GLOBALFOUNDRIES Inc.	Granted
COUPLING PIEZOELECTRIC MATERIAL GENERATED STRESSES TO DEVICES FORMED IN INTEGRATED CIRCUITS	8405279	2013-03-26	13/532991	2012-06-26	GLOBALFOUNDRIES Inc.	Granted
WEAR-LEVELING AND BAD BLOCK MANAGEMENT OF LIMITED LIFETIME MEMORY DEVICES	8407410	2013-03-26	13/445172	2012-04-12	GLOBALFOUNDRIES Inc.	Granted
METHODS AND APPARATUS FOR BOOLEAN EQUIVALENCY CHECKING IN THE PRESENCE OF VOTING LOGIC	8407638	2013-03-26	12/355757	2009-01-16	GLOBALFOUNDRIES Inc.	Granted
LOGIC DESIGN VERIFICATION TECHNIQUES FOR LIVENESS CHECKING WITH RETIMING	8407641	2013-03-26	13/436196	2012-03-30	GLOBALFOUNDRIES Inc.	Granted
TASK-BASED MULTI-PROCESS DESIGN SYNTHESIS	8407652	2013-03-26	12/972879	2010-12-20	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR A TRANSISTOR HAVING A RELATIVELY LARGE THRESHOLD VOLTAGE VARIATION RANGE AND FOR A RANDOM NUMBER GENERATOR INCORPORATING MULTIPLE ESSENTIALLY IDENTICAL TRANSISTORS HAVING SUCH A LARGE THRESHOLD VOLTAGE VARIATION RANGE	8407656	2013-03-26	13/167826	2011-06-24	GLOBALFOUNDRIES Inc.	Granted
METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR USING DIRECT MEMORY ACCESS TO INITIALIZE A PROGRAMMABLE LOGIC DEVICE	8407658	2013-03-26	11/670017	2007-02-01	GLOBALFOUNDRIES Inc.	Granted
DELAMINATION AND CRACK RESISTANT IMAGE SENSOR STRUCTURES AND METHODS	8409899	2013-04-02	13/025681	2011-02-11	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING INTEGRATED CIRCUIT SYSTEMS INCLUDING HIGH RELIABILITY DIE UNDER-FILL	8409927	2013-04-02	13/243605	2011-09-23	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE DEVICES AND SILICON FIELD EFFECT TRANSISTORS IN 3D HYBRID INTEGRATED CIRCUITS	8409957	2013-04-02	13/009280	2011-01-19	GLOBALFOUNDRIES Inc.	Granted
METHOD, STRUCTURE AND DESIGN STRUCTURE FOR CUSTOMIZING HISTORY EFFECTS OF SOI CIRCUITS	8410554	2013-04-02	12/055622	2008-03-26	GLOBALFOUNDRIES Inc.	Granted
SELECTIVELY SELF-ASSEMBLING OXYGEN DIFFUSION BARRIER	8410559	2013-04-02	12/407007	2009-03-19	GLOBALFOUNDRIES Inc.	Granted
LOW-SWING SIGNALING SCHEME FOR DATA COMMUNICATION	8410816	2013-04-02	13/370144	2012-02-09	GLOBALFOUNDRIES Inc.	Granted
LEAKAGE TOLERANT PHASE LOCKED LOOP CIRCUIT DEVICE	8410835	2013-04-02	13/242453	2012-01-03	GLOBALFOUNDRIES Inc.	Granted
3D OPTOELECTRONIC PACKAGING	8411719	2013-04-02	13/358963	2012-01-26	GLOBALFOUNDRIES Inc.	Granted
LENGTHENING LIFE OF A LIMITED LIFE MEMORY	8413004	2013-04-02	13/408407	2012-02-29	GLOBALFOUNDRIES Inc.	Granted
STI SILICON NITRIDE CAP FOR FLAT PEOL TOPOLOGY	8415214	2013-04-09	13/010110	2011-01-20	GLOBALFOUNDRIES Inc.	Granted

MULTI-GATE NON-PLANAR FIELD EFFECT TRANSISTOR STRUCTURE AND METHOD OF FORMING THE STRUCTURE USING A DOPANT IMPLANT PROCESS TO TUNE DEVICE DRIVE CURRENT	8415216	2013-04-09	13/406652	2012-02-28	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES HAVING ENCAPSULATED STRESSOR REGIONS AND RELATED FABRICATION METHODS	8415221	2013-04-09	13/015239	2011-01-27	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED DUAL DAMASCENE BEOL STRUCTURES WITH PATTERNABLE LOW-K MATERIAL AND METHODS OF FORMING SAME	8415248	2013-04-09	13/474349	2012-05-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING SILICIDE CONTACTS OF DIFFERENT SHAPES SELECTIVELY ON REGIONS OF A SEMICONDUCTOR DEVICE	8415250	2013-04-09	13/097459	2011-04-29	GLOBALFOUNDRIES Inc.	Granted
SINGLE MASK ADDER PHASE CHANGE MEMORY ELEMENT	8415653	2013-04-09	13/419522	2012-03-14	GLOBALFOUNDRIES Inc.	Granted
SOI CMOS CIRCUITS WITH SUBSTRATE BIAS	8415744	2013-04-09	13/344006	2012-01-05	GLOBALFOUNDRIES Inc.	Granted
USE OF EPITAXIAL IN SILICIDE	8415748	2013-04-09	12/766468	2010-04-23	GLOBALFOUNDRIES Inc.	Granted
TUNABLE SEMICONDUCTOR DEVICE	8415763	2013-04-09	13/076781	2011-03-31	GLOBALFOUNDRIES Inc.	Granted
METHOD TO PREVENT SURFACE DECOMPOSITION OF III-V COMPOUND SEMICONDUCTORS	8415772	2013-04-09	13/570989	2012-08-09	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING SCREENING FOR SINGLE FET COMPARE OF PHYSICALLY UNCONTROLABLE FUNCTION (PUP)	8415969	2013-04-09	13/284239	2011-10-28	GLOBALFOUNDRIES Inc.	Granted
SOLUTIONS FOR CONTROLLING BULK BIAS VOLTAGE IN AN EXTREMELY THIN SILICON-ON-INSULATOR (ETSOI) INTEGRATED CIRCUIT CHIP	8416009	2013-04-09	13/181754	2011-07-13	GLOBALFOUNDRIES Inc.	Granted
NARROW-BAND WIDE-RANGE FREQUENCY MODULATION CONTINUOUS WAVE (EMCW) RADAR SYSTEM	8416121	2013-04-09	12/963314	2010-12-08	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR PATTERN MATCHING IN A DOUBLE PATTERNING TECHNOLOGY-COMPLIANT PHYSICAL DESIGN FLOW	8418105	2013-04-09	13/349412	2012-01-12	GLOBALFOUNDRIES Inc.	Granted
SOLUTIONS FOR NETLIST REDUCTION FOR MULTI-FINGER DEVICES	8418120	2013-04-09	13/188129	2011-07-21	GLOBALFOUNDRIES Inc.	Granted
BULK FIN-FIELD EFFECT TRANSISTORS WITH WELL DEFINED ISOLATION	8420459	2013-04-16	13/277956	2011-10-20	GLOBALFOUNDRIES Inc.	Granted
METHOD, STRUCTURE AND DESIGN STRUCTURE FOR CUSTOMIZING HISTORY EFFECTS OF SOI CIRCUITS	8420460	2013-04-16	12/055686	2008-03-26	GLOBALFOUNDRIES Inc.	Granted
STRAIN-COMPENSATED FIELD EFFECT TRANSISTOR AND ASSOCIATED METHOD OF FORMING THE TRANSISTOR	8420468	2013-04-16	13/220753	2011-08-30	GLOBALFOUNDRIES Inc.	Granted
DENSE PITCH BULK FINFET PROCESS BY SELECTIVE EPI AND ETCH	8420471	2013-04-16	13/103569	2011-05-09	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING INTEGRATED CIRCUITS WITH CONTROLLED P-CHANNEL THRESHOLD VOLTAGE	8420519	2013-04-16	13/286292	2011-11-01	GLOBALFOUNDRIES Inc.	Granted
DOUBLE-SIDED INTEGRATED CIRCUIT CHIPS	8421126	2013-04-16	13/164173	2011-06-20	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE OF VERY HIGH INSERTION LOSS OF THE SUBSTRATE NOISE DECOUPLING	8421183	2013-04-16	13/016126	2011-01-28	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY PROGRAMMABLE METAL FUSE	8421186	2013-04-16	13/149108	2011-05-31	GLOBALFOUNDRIES Inc.	Granted
MONOLAYER DOPANT EMBEDDED STRESSOR FOR ADVANCED CMOS	8421191	2013-04-16	13/533499	2012-06-26	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DIRECT HEAT SINK ATTACHMENT	8421218	2013-04-16	12/983377	2011-01-03	GLOBALFOUNDRIES Inc.	Granted
SILICON BASED MICROCHANNEL COOLING AND ELECTRICAL PACKAGE	8421220	2013-04-16	13/365505	2012-02-03	GLOBALFOUNDRIES Inc.	Granted
SPEED BINNING FOR DYNAMIC AND ADAPTIVE POWER CONTROL	8421495	2013-04-16	13/288269	2011-11-03	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL DETECTION WITH MOSFET SENSOR	8421521	2013-04-16	13/538025	2012-06-29	GLOBALFOUNDRIES Inc.	Granted

NANOWIRE MESH FET WITH MULTIPLE THRESHOLD VOLTAGES	8422273	2013-04-16	12/470159	2009-05-21	GLOBALFOUNDRIES Inc.	Granted
DENSE REGISTER ARRAY FOR ENABLING SCAN OUT OBSERVATION OF BOTH L1 AND L2 LATCHES	8423844	2013-04-16	13/004104	2011-01-11	GLOBALFOUNDRIES Inc.	Granted
MICROCONTROLLER FOR LOGIC BUILT-IN SELF-TEST (BIST)	8423847	2013-04-16	13/469604	2012-05-11	GLOBALFOUNDRIES Inc.	Granted
COLLECTING FAILURE INFORMATION ON ERROR CORRECTION CODE (ECC) PROTECTED DATA	8423875	2013-04-16	13/648555	2012-10-10	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE AND METHOD OF DESIGNING SEMICONDUCTOR STRUCTURE TO AVOID HIGH VOLTAGE INITIATED LATCH-UP IN LOW VOLTAGE SECTORS	8423936	2013-04-16	13/358105	2012-01-25	GLOBALFOUNDRIES Inc.	Granted
STRESS MEMORIZATION WITH REDUCED FRINGING CAPACITANCE BASED ON SILICON NITRIDE IN MOS SEMICONDUCTOR DEVICES	8426266	2013-04-23	12/963753	2010-12-09	GLOBALFOUNDRIES Inc.	Granted
TA-TAN SELECTIVE REMOVAL PROCESS FOR INTEGRATED DEVICE FABRICATION	8426316	2013-04-23	12/204412	2008-09-04	GLOBALFOUNDRIES Inc.	Granted
THREE-DIMENSIONAL INTEGRATED CIRCUITS AND TECHNIQUES FOR FABRICATION THEREOF	8426921	2013-04-23	13/019130	2011-02-01	GLOBALFOUNDRIES Inc.	Granted
DYNAMIC WORDLINE ASSIST SCHEME TO IMPROVE PERFORMANCE TRADEOFF IN SRAM	8427896	2013-04-23	13/296724	2011-11-15	GLOBALFOUNDRIES Inc.	Granted
THREE-DIMENSIONAL (3D) INTEGRATED CIRCUIT WITH ENHANCED COPPER-TO-COPPER BONDING	8431436	2013-04-30	13/288645	2011-11-03	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE FABRICATION USING GATE SUBSTITUTION	8431472	2013-04-30	13/174257	2011-06-30	GLOBALFOUNDRIES Inc.	Granted
PHOTO-PATTERNABLE DIELECTRIC MATERIALS AND FORMULATIONS AND METHODS OF USE	8431670	2013-04-30	12/550683	2009-08-31	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR LOW RESISTIVE SOURCE AND DRAIN REGIONS IN A REPLACEMENT METAL GATE PROCESS FLOW	8432002	2013-04-30	13/170565	2011-06-28	GLOBALFOUNDRIES Inc.	Granted
METAL CAP LAYER WITH ENHANCED ETCH RESISTIVITY FOR COPPER-BASED METAL REGIONS IN SEMICONDUCTOR DEVICES	8432035	2013-04-30	13/297860	2011-11-16	GLOBALFOUNDRIES Inc.	Granted
NANO-ELECTRO-MECHANICAL DRAM CELL	8432723	2013-04-30	13/015936	2011-01-28	GLOBALFOUNDRIES Inc.	Granted
MASK ASSIGNMENT FOR MULTIPLE PATTERNING LITHOGRAPHY	8434033	2013-04-30	13/223706	2011-09-01	GLOBALFOUNDRIES Inc.	Granted
ENHANCEMENT OF ULTRA-VIOLET CURING OF TENSILE STRESS LINER USING REFLECTIVE MATERIALS	8435841	2013-05-07	12/975515	2010-12-22	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES WITH RAISED EXTENSIONS	8435846	2013-05-07	13/251757	2011-10-03	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING SEMICONDUCTOR SOC WITH METAL VIA GATE NODE HIGH PERFORMANCE STACKED TRANSISTORS	8435851	2013-05-07	13/005089	2011-01-12	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR SINGLE AND MULTIPLE LEVEL METAL-INSULATOR-METAL INTEGRATION WITH A SINGLE MASK	8435864	2013-05-07	13/432440	2012-03-28	GLOBALFOUNDRIES Inc.	Granted
DUAL METAL AND DUAL DIELECTRIC INTEGRATION FOR METAL HIGH-K TESTS	8436427	2013-05-07	13/080962	2011-04-06	GLOBALFOUNDRIES Inc.	Granted
METHOD, STRUCTURE, AND DESIGN STRUCTURE FOR A THROUGH-SILICON VIA WILKINSON POWER DIVIDER	8436446	2013-05-07	13/455725	2012-04-25	GLOBALFOUNDRIES Inc.	Granted
WORD-LINE LEVEL SHIFT CIRCUIT	8437201	2013-05-07	13/266804	2012-02-06	GLOBALFOUNDRIES Inc.	Granted
CMOS IMAGER PHOTODIODE WITH ENHANCED CAPACITANCE	8440490	2013-05-14	13/288686	2011-11-03	GLOBALFOUNDRIES Inc.	Granted
SINGLE-CRYSTALLINE SILICON ALKALINE TEXTURING WITH GLYCEROL OR ETHYLENE GLYCOL ADDITIVES	8440494	2013-05-14	13/112465	2011-05-20	GLOBALFOUNDRIES Inc.	Granted
MICROMECHANICAL DEVICE AND METHODS TO FABRICATE SAME USING HARD MASK RESISTANT TO STRUCTURE RELEASE ETCH	8440523	2013-05-14	13/313163	2011-12-07	GLOBALFOUNDRIES Inc.	Granted

METHODS OF FORMING HIGHLY SCALED SEMICONDUCTOR DEVICES USING A DISPOSABLE SPACER TECHNIQUE	8440330	2013-05-14	13/275766	2011-10-18	GLOBALFOUNDRIES Inc.	Granted
METHOD TO FORM LOW SERIES RESISTANCE TRANSISTOR DEVICES ON SILICON ON INSULATOR LAYER	8440352	2013-05-14	13/346008	2012-01-09	GLOBALFOUNDRIES Inc.	Granted
WORK FUNCTION ADJUSTMENT IN HIGH-K METAL GATE ELECTRODE STRUCTURES BY SELECTIVELY REMOVING A BARRIER LAYER	8440359	2013-05-14	13/624235	2012-09-21	GLOBALFOUNDRIES Inc.	Granted
RE-ESTABLISHING SURFACE CHARACTERISTICS OF SENSITIVE LOW-K DIELECTRICS IN MICROSTRUCTURE DEVICE BY USING AN IN SITU SURFACE MODIFICATION	8440579	2013-05-14	13/178387	2011-07-08	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR CHIP WITH GRAPHENE BASED DEVICES IN AN INTERCONNECT STRUCTURE OF THE CHIP	8440999	2013-05-14	13/027797	2011-02-15	GLOBALFOUNDRIES Inc.	Granted
NANOPILLAR E-FUSE STRUCTURE AND PROCESS	8441039	2013-05-14	13/652804	2012-10-16	GLOBALFOUNDRIES Inc.	Granted
BEOL COMPATIBLE BEIT STRUCTURE	8441042	2013-05-14	12/561822	2009-09-17	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED SERIES DEEP TRENCH CAPACITORS AND METHODS OF MANUFACTURE	8441103	2013-05-14	13/349158	2012-01-12	GLOBALFOUNDRIES Inc.	Granted
STRAIN-COMPENSATING HILL PATTERNS FOR CONTROLLING SEMICONDUCTOR CHIP PACKAGE INTERACTIONS	8441131	2013-05-14	13/230457	2011-09-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR RECONSTRUCTING TWO-DIMENSIONAL CHEMICAL MAPS FROM ELECTRON SPECTROSCOPY LINE SCANS	8442357	2013-05-14	13/051431	2011-03-18	GLOBALFOUNDRIES Inc.	Granted
NON-LITHOGRAPHIC METHOD OF PATTERNING CONTACTS FOR A PHOTOVOLTAIC DEVICE	8445316	2013-05-21	13/162712	2011-06-17	GLOBALFOUNDRIES Inc.	Granted
METAL-INSULATOR-METAL CAPACITORS WITH HIGH CAPACTANCE DENSITY	8445355	2013-05-21	12/969004	2010-12-15	GLOBALFOUNDRIES Inc.	Granted
SOFT ERROR RATE MITIGATION BY INTERCONNECT STRUCTURE	8445374	2013-05-21	13/361057	2012-01-30	GLOBALFOUNDRIES Inc.	Granted
MECHANICALLY ROBUST METAL/LOW-K INTERCONNECTS	8445377	2013-05-21	13/229250	2011-09-09	GLOBALFOUNDRIES Inc.	Granted
P-FET WITH A STRAINED NANOWIRE CHANNEL AND EMBEDDED SIGE SOURCE AND DRAIN STRESSORS	8445892	2013-05-21	13/554065	2012-07-20	GLOBALFOUNDRIES Inc.	Granted
GATED DIODE MEMORY CELLS	8445946	2013-05-21	10/735061	2003-12-11	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF SEMICONDUCTORS WITH HIGH-K/METAL GATE ELECTRODES	8445964	2013-05-21	13/349883	2012-01-13	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR SWITCHING DEVICE EMPLOYING A QUANTUM DOT STRUCTURE	8445967	2013-05-21	13/534462	2012-06-27	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR DEVICE WITH RAISED ACTIVE REGIONS	8445971	2013-05-21	13/237319	2011-09-20	GLOBALFOUNDRIES Inc.	Granted
FRACTURING CONTINUOUS PHOTOLITHOGRAPHY MASKS	8448098	2013-05-21	13/453262	2012-04-23	GLOBALFOUNDRIES Inc.	Granted
SURFACE CHARGE ENABLED NANOPOROUS SEMI-PERMEABLE MEMBRANE FOR DESALINATION	8448790	2013-05-28	13/534855	2012-06-27	GLOBALFOUNDRIES Inc.	Granted
THERMAL EXPANSION CONTROL EMPLOYING PLATELET FILLERS	8449971	2013-05-28	13/083803	2011-04-11	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING METAL GATES AND SEMICONDUCTOR RESISTORS FORMED ON THE BASIS OF A REPLACEMENT GATE APPROACH	8450163	2013-05-28	12/963364	2010-12-08	GLOBALFOUNDRIES Inc.	Granted
BORDERLESS CONTACTS FOR SEMICONDUCTOR DEVICES	8450178	2013-05-28	13/597331	2012-08-29	GLOBALFOUNDRIES Inc.	Granted
THIN SUBSTRATE FABRICATION USING STRESS-INDUCED SPALLING	8450184	2013-05-28	13/480329	2012-05-24	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE BASED SWITCHING DEVICE HAVING A TUNABLE BANDGAP	8450198	2013-05-28	13/351402	2012-01-17	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND PROCESS FOR METALLIZATION IN HIGH ASPECT RATIO FEATURES	8450204	2013-05-28	13/453508	2012-04-23	GLOBALFOUNDRIES Inc.	Granted

STRUCTURE AND FABRICATION METHOD OF TUNNEL FIELD EFFECT TRANSISTOR WITH INCREASED DRIVE CURRENT AND REDUCED GATE INDUCED DRAIN LEAKAGE (GIDL)	8450792	2013-05-28	13/082867	2011-04-08	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING STRAINED SILICON-ON-INSULATOR STRUCTURES AND STRAINED SILICON-ON INSULATOR STRUCTURES FORMED THEREBY	8450806	2013-05-28	10/814482	2004-03-31	GLOBALFOUNDRIES Inc.	Granted
THICK BOND PAD FOR CHIP WITH CAVITY PACKAGE	8450822	2013-05-28	12/564996	2009-09-23	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING COLUMN REDUNDANCY STEERING FOR MEMORIES WITH WORDLINE REPOWERING	8451668	2013-05-28	13/209068	2011-12-01	GLOBALFOUNDRIES Inc.	Granted
ADVANCED MEMORY DEVICE HAVING IMPROVED PERFORMANCE, REDUCED POWER AND INCREASED RELIABILITY	8452919	2013-05-28	13/567357	2012-08-06	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT TRANSFORMER DEVICES FOR ON-CHIP MILLIMETER-WAVE APPLICATIONS	8453078	2013-05-28	13/292585	2011-11-09	GLOBALFOUNDRIES Inc.	Granted
FINNET INTEGRATED CIRCUITS AND METHODS FOR THEIR FABRICATION	8455307	2013-06-04	13/111741	2011-05-19	GLOBALFOUNDRIES Inc.	Granted
SOLID STATE KLYSTRON	8455311	2013-06-04	13/603086	2012-09-04	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING FINNET WITH MERGED FINS AND VERTICAL SILICIDE	8455313	2013-06-04	13/617709	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
TRANSISTORS COMPRISING HIGH-K METAL GATE ELECTRODE STRUCTURES AND EMBEDDED STRAIN-INDUCING SEMICONDUCTOR ALLOYS FORMED IN A LATE STAGE	8455314	2013-06-04	13/117249	2011-05-27	GLOBALFOUNDRIES Inc.	Granted
SPIN-ON FORMULATION AND METHOD FOR STRIPPING AN ION IMPLANTED PHOTORESIST	8455420	2013-06-04	13/535466	2012-06-28	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE BASED SWITCHING DEVICE HAVING A TUNABLE BANDGAP	8455861	2013-06-04	13/351398	2012-01-17	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED CONTACTS IN CARBON DEVICES	8455862	2013-06-04	13/562827	2012-07-31	GLOBALFOUNDRIES Inc.	Granted
MULTI-LEVEL INTERCONNECTIONS FOR AN INTEGRATED CIRCUIT CHIP	8455924	2013-06-04	12/139716	2008-06-16	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE HKMG STACK FOR GATE FIRST INTEGRATION	8455960	2013-06-04	13/185112	2011-07-18	GLOBALFOUNDRIES Inc.	Granted
HYBRID INTERCONNECT STRUCTURE FOR PERFORMANCE IMPROVEMENT AND RELIABILITY ENHANCEMENT	8456006	2013-06-04	13/174841	2011-07-01	GLOBALFOUNDRIES Inc.	Granted
NONCONTACT WRITING OF NANOMETER SCALE MAGNETIC BITS USING HEAT FLOW INDUCED SPIN TORQUE EFFECT	8456894	2013-06-04	13/100026	2011-05-03	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM, AND DESIGN STRUCTURE FOR MAKING VOLTAGE ENVIRONMENT CONSISTENT FOR REUSED SUB MODULES IN CHIP DESIGN	8458641	2013-06-04	13/031754	2011-02-22	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE WITH SELF ALIGNED RESIST LAYER ON AN INTERCONNECT SURFACE AND METHOD OF MAKING SAME	8461678	2013-06-11	13/418818	2012-03-13	GLOBALFOUNDRIES Inc.	Granted
COMPUTER SYSTEM COMPRISING A SECURE BOOT MECHANISM ON THE BASIS OF SYMMETRIC KEY ENCRYPTION	8464037	2013-06-11	12/355900	2009-01-19	GLOBALFOUNDRIES Inc.	Granted
MEMORY DEVICE AND METHOD THEREOF	8464130	2013-06-11	12/230012	2008-12-08	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED NANOPARTICLE FILMS AND METHOD FOR THEIR FORMATION IN SELECTIVE AREAS ON A SURFACE	8465829	2013-06-18	13/611636	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
THERMALLY INSULATED PHASE MATERIAL CELLS	8466006	2013-06-18	13/363549	2012-02-01	GLOBALFOUNDRIES Inc.	Granted
THREE-TERMINAL CASCADE SWITCH FOR CONTROLLING STATIC POWER CONSUMPTION IN INTEGRATED CIRCUITS	8466444	2013-06-18	13/406096	2012-02-27	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED III-V FIELD EFFECT TRANSISTOR (FET), INTEGRATED CIRCUIT (IC) CHIP WITH SELF-ALIGNED III-V FETS AND METHOD OF MANUFACTURE	8466493	2013-06-18	13/074854	2011-03-29	GLOBALFOUNDRIES Inc.	Granted
STARTUP AND PROTECTION CIRCUITRY FOR THIN OXIDE OUTPUT STAGE	8466722	2013-06-18	13/284265	2011-10-28	GLOBALFOUNDRIES Inc.	Granted

SWITCH WITH REDUCED INSERTION LOSS	8466736	2013-06-18	13/446115	2012-04-13	GLOBALFOUNDRIES Inc.	Granted
3D CHIP STACK SKEW REDUCTION WITH RESONANT CLOCK AND INDUCTIVE COUPLING	8466739	2013-06-18	13/607089	2012-09-07	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR STORING MULTIPLE REPAIR PASS DATA INTO A FUSEBAY	8467260	2013-06-18	13/198894	2011-08-05	GLOBALFOUNDRIES Inc.	Granted
METHODS TO FABRICATE SILICIDE MICROMECHANICAL DEVICE	8470628	2013-06-25	13/164126	2011-06-20	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE, METHOD AND SYSTEM FOR COMPLEMENTARY STRAIN FILL FOR INTEGRATED CIRCUIT CHIPS	8470674	2013-06-25	12/983353	2011-01-03	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE ELEMENT, AND MEMORY DEVICE OR LOGIC CIRCUIT	8470676	2013-06-25	12/350469	2009-01-08	GLOBALFOUNDRIES Inc.	Granted
CARBON FIELD EFFECT TRANSISTORS HAVING CHARGED MONOLAYERS TO REDUCE PARASITIC RESISTANCE	8471249	2013-06-25	13/104591	2011-05-10	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUITS FORMED ON STRAINED SUBSTRATES AND INCLUDING RELAXED BUFFER LAYERS AND METHODS FOR THE MANUFACTURE THEREOF	8471342	2013-06-25	13/315939	2011-12-09	GLOBALFOUNDRIES Inc.	Granted
PARASITIC CAPACTANCE REDUCTION IN MOSFET BY AIRGAP LTD	8471343	2013-06-25	13/216708	2011-08-24	GLOBALFOUNDRIES Inc.	Granted
SELECTABLE DYNAMIC/STATIC LATCH WITH EMBEDDED LOGIC	8471595	2013-06-25	13/353383	2012-01-19	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR MEMORY DEVICE PRECHARGING	8472271	2013-06-25	13/030341	2011-02-18	GLOBALFOUNDRIES Inc.	Granted
POWER DELIVERY IN A HETEROGENEOUS 3-D STACKED APPARATUS	8473762	2013-06-25	13/552091	2012-07-18	GLOBALFOUNDRIES Inc.	Granted
MEMORY LEAK MONITORING SYSTEM AND ASSOCIATED METHODS	8473789	2013-06-25	12/563186	2009-09-21	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZED SEMICONDUCTOR PACKAGING IN A THREE-DIMENSIONAL STACK	8476112	2013-07-02	13/555451	2012-07-23	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING A SEMICONDUCTOR DEVICE WITH RECESSED SOURCE/DESIGN REGIONS, AND A SEMICONDUCTOR DEVICE COMPRISING SAME	8476131	2013-07-02	13/216791	2011-08-24	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FINFET HEIGHT CONTROL	8476137	2013-07-02	13/370722	2012-02-10	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE MOSFET	8476139	2013-07-02	13/614476	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
NON-CONFORMAL HARDMASK DEPOSITION FOR THROUGH SILICON ETCH	8476168	2013-07-02	13/014114	2011-01-26	GLOBALFOUNDRIES Inc.	Granted
GATE CONDUCTOR WITH A DIFFUSION BARRIER	8476674	2013-07-02	13/010009	2011-01-20	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP RADIATION DOSIMETER	8476683	2013-07-02	13/569745	2012-08-08	GLOBALFOUNDRIES Inc.	Granted
CMOS HAVING A SIC/SIGE ALLOY STACK	8476706	2013-07-02	13/343472	2012-01-04	GLOBALFOUNDRIES Inc.	Granted
BAND EDGE ENGINEERED VT OFFSET DEVICE	8476716	2013-07-02	13/614132	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
C-RICH CARBON BORON NITRIDE DIELECTRIC FILMS FOR USE IN ELECTRONIC DEVICES	8476743	2013-07-02	13/228857	2011-09-09	GLOBALFOUNDRIES Inc.	Granted
NI PLATING OF A BLM EDGE FOR PB-FREE C4 UNDERCUT CONTROL	8476762	2013-07-02	13/463879	2012-05-04	GLOBALFOUNDRIES Inc.	Granted
PHASE PROFILE GENERATOR	8476945	2013-07-02	13/069653	2011-03-23	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE, STRUCTURE AND METHOD FOR PROVIDING AN ON-CHIP VARIABLE DELAY TRANSMISSION LINE WITH FIXED CHARACTERISTIC IMPEDANCE	8476988	2013-07-02	13/364569	2012-02-02	GLOBALFOUNDRIES Inc.	Granted
DECOUPLING CAPACITOR INSERTION USING HYPERGRAPH	8479136	2013-07-02	13/099767	2011-05-03	GLOBALFOUNDRIES Inc.	Granted
CONNECTIVITY ANALYSIS	8479388	2013-07-09	12/207713	2008-09-10	GLOBALFOUNDRIES Inc.	Granted
MATERIALS HAVING PREDEFINED MORPHOLOGIES AND METHODS OF FORMATION THEREOF	8481164	2013-07-09	12/061283	2008-04-02	GLOBALFOUNDRIES Inc.	Granted

SUPERIOR INTEGRITY OF HIGH-K METAL GATE STACKS BY PRESERVING A RESIST MATERIAL ABOVE END CAPS OF GATE ELECTRODE STRUCTURES	8481381	2013-07-09	13/232711	2011-09-14	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REMOVING HIGH-K DIELECTRIC LAYER ON SIDEWALLS OF GATE STRUCTURE	8481389	2013-07-09	13/080084	2011-04-05	GLOBALFOUNDRIES Inc.	Granted
METHODS OF EPITAXIAL FINFET	8481410	2013-07-09	13/362398	2012-01-31	GLOBALFOUNDRIES Inc.	Granted
ROBUST SPECTRAL ANALYZER FOR ONE-DIMENSIONAL AND MULTIDIMENSIONAL DATA ANALYSIS	8481912	2013-07-09	13/614930	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR SUBSTRATE WITH BUILT-IN SUBSTRATE JUNCTION	8482009	2013-07-09	13/093034	2011-04-25	GLOBALFOUNDRIES Inc.	Granted
HIGH THROUGHPUT EPITAXIAL LIFTOFF FOR RELEASING MULTIPLE SEMICONDUCTOR DEVICE LAYERS FROM A SINGLE BASE SUBSTRATE	8482033	2013-07-09	13/603927	2012-09-05	GLOBALFOUNDRIES Inc.	Granted
LATERAL EXTENDED DRAIN METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (LEDMOSET) WITH TAPERED DIELECTRIC PLATES TO ACHIEVE A HIGH DRAIN-TO-BODY BREAKDOWN VOLTAGE, A METHOD OF FORMING THE TRANSISTOR AND A PROGRAM STORAGE DEVICE FOR DESIGNING THE TRANSISTOR	8482067	2013-07-09	13/604671	2012-09-06	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR MANUFACTURING ASYMMETRIC DEVICES	8482075	2013-07-09	13/468270	2012-05-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR DIFFERENTIAL SILICIDE AND RECESSED OR RAISED SOURCE/DRAIN TO IMPROVE FIELD EFFECT TRANSISTOR	8482076	2013-07-09	12/560585	2009-09-16	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT DIODE	8482078	2013-07-09	13/104542	2011-05-10	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR TRANSISTOR STRUCTURE AND METHOD INCLUDING EMITTER-BASE INTERFACE IMPURITY	8482101	2013-07-09	12/488899	2009-06-22	GLOBALFOUNDRIES Inc.	Granted
STRESS REDUCTION IN CHIP PACKAGING BY USING A LOW-TEMPERATURE CHIP-PACKAGE CONNECTION REGIME	8482123	2013-07-09	13/179643	2011-07-11	GLOBALFOUNDRIES Inc.	Granted
PAD BONDING EMPLOYING A SELF-ALIGNED PLATED LINER FOR ADHESION ENHANCEMENT	8482132	2013-07-09	12/575980	2009-10-08	GLOBALFOUNDRIES Inc.	Granted
3D OPTOELECTRONIC PACKAGING	8483253	2013-07-09	13/359100	2012-01-26	GLOBALFOUNDRIES Inc.	Granted
FUSEBAY CONTROLLER STRUCTURE, SYSTEM, AND METHOD	8484543	2013-07-09	13/204929	2011-08-08	GLOBALFOUNDRIES Inc.	Granted
CONSTRUCTING A CLOCK TREE FOR AN INTEGRATED CIRCUIT DESIGN	8484604	2013-07-09	13/325102	2011-12-14	GLOBALFOUNDRIES Inc.	Granted
PRECISION PEAK MATCHING IN LIQUID CHROMATOGRAPHY-MASS SPECTROSCOPY	8486268	2013-07-16	13/406956	2012-02-28	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR ALIGNING POLYMER FILMS AND RELATED STRUCTURES	8486489	2013-07-16	12/058006	2008-03-28	GLOBALFOUNDRIES Inc.	Granted
PATTERN FORMATION EMPLOYING SELF-ASSEMBLED MATERIAL	8486511	2013-07-16	13/430177	2012-03-26	GLOBALFOUNDRIES Inc.	Granted
PATTERN FORMATION EMPLOYING SELF-ASSEMBLED MATERIAL	8486512	2013-07-16	13/430179	2012-03-26	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING HIGH-K METAL GATE ELECTRODE STRUCTURES AND PRECISION FUSES FORMED IN THE ACTIVE SEMICONDUCTOR MATERIAL	8486768	2013-07-16	13/114116	2011-05-24	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR JUNCTION TRANSISTOR WITH EPITAXIAL CONTACTS	8486797	2013-07-16	13/481048	2012-05-25	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR BURIED INDUCTORS FOR ULTRA-HIGH RESISTIVITY WAFERS FOR SOI/RF SIGE APPLICATIONS	8487379	2013-07-16	13/453426	2012-04-23	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FABRICATING PASSIVE ELEMENT WITHOUT PLANARIZING AND RELATED SEMICONDUCTOR DEVICE	8487401	2013-07-16	13/359634	2012-01-27	GLOBALFOUNDRIES Inc.	Granted

OPTIMIZED ANNULAR COPPER TSV	8487425	2013-07-16	13/167107	2011-06-23	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE HAVING OFFSET PASSIVATION TO REDUCE ELECTROMIGRATION	8487447	2013-07-16	13/111283	2011-05-19	GLOBALFOUNDRIES Inc.	Granted
MODULARIZED THREE-DIMENSIONAL CAPACITOR ARRAY	8487696	2013-07-16	13/438230	2012-04-03	GLOBALFOUNDRIES Inc.	Granted
INCREASED CAPACITY HETEROGENEOUS STORAGE ELEMENTS	8488397	2013-07-16	13/557298	2012-07-25	GLOBALFOUNDRIES Inc.	Granted
MANAGING CONCURRENT ACCESSSES TO A CACHE	8489821	2013-07-16	13/570847	2012-08-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING A DEVICE USING LOW TEMPERATURE ANNEAL PROCESSES, A DEVICE AND DESIGN STRUCTURE	8490029	2013-07-16	13/421400	2012-03-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR TRACKING UNCERTAIN SIGNALS	8490037	2013-07-16	13/280853	2011-10-25	GLOBALFOUNDRIES Inc.	Granted
DISTRIBUTING SPARE LATCH CIRCUITS IN INTEGRATED CIRCUIT DESIGNS	8490039	2013-07-16	13/315914	2011-12-09	GLOBALFOUNDRIES Inc.	Granted
DISPOSITION OF INTEGRATED CIRCUITS USING PERFORMANCE SORT RING OSCILLATOR AND PERFORMANCE PATH TESTING	8490040	2013-07-16	13/294220	2011-11-11	GLOBALFOUNDRIES Inc.	Granted
METHOD AND DEVICE FOR SELECTIVELY ADDING TIMING MARGIN IN AN INTEGRATED CIRCUIT	8490045	2013-07-16	13/354715	2012-01-20	GLOBALFOUNDRIES Inc.	Granted
EMBEDDING A NANOPORE INSIDE A NANOPORE FOR DNA TRANSLOCATION	8491769	2013-07-23	13/611701	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONTROLLING ORIENTATION OF DOMAINS IN BLOCK COPOLYMER FILMS	8491965	2013-07-23	12/060516	2008-04-01	GLOBALFOUNDRIES Inc.	Granted
SELECTIVELY COATED SELF-ALIGNED MASK	8491987	2013-07-23	12/164647	2008-06-30	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES AND STRUCTURES FOR TESTING INTEGRATED CIRCUITS IN FIP-CHIP ASSEMBLIES	8492171	2013-07-23	13/187562	2011-07-21	GLOBALFOUNDRIES Inc.	Granted
HIGH THROUGHPUT EPITAXIAL LIFTOFF FOR RELEASING MULTIPLE SEMICONDUCTOR DEVICE LAYERS FROM A SINGLE BASE SUBSTRATE	8492187	2013-07-23	13/248792	2011-09-29	GLOBALFOUNDRIES Inc.	Granted
CHEMICAL MECHANICAL POLISHING STOP LAYER FOR FULLY AMORPHOUS PHASE CHANGE MEMORY PORE CELL	8492194	2013-07-23	13/102550	2011-05-06	GLOBALFOUNDRIES Inc.	Granted
REWORKABLE UNDERFILLS FOR CERAMIC MCM C4 PROTECTION	8492199	2013-07-23	13/252424	2011-10-04	GLOBALFOUNDRIES Inc.	Granted
COMPRESSIVE (PHEI) AND TENSILE (NFIET) CHANNEL STRAIN IN NANOWIRE FETS FABRICATED WITH A REPLACEMENT GATE PROCESS	8492208	2013-07-23	13/344352	2012-01-05	GLOBALFOUNDRIES Inc.	Granted
DAMASCENE METAL GATE AND SHIELD STRUCTURE, METHODS OF MANUFACTURE AND DESIGN STRUCTURES	8492214	2013-07-23	13/051510	2011-03-18	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING CONDUCTIVE CONTACTS WITH REDUCED DIMENSIONS	8492217	2013-07-23	13/237011	2011-09-20	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FABRICATING A BIPOLAR JUNCTION TRANSISTOR WITH A SELF-ALIGNED EMITTER AND BASE	8492237	2013-07-23	13/042902	2011-03-08	GLOBALFOUNDRIES Inc.	Granted
HOMOGENEOUS POROUS LOW DIELECTRIC CONSTANT MATERIALS	8492239	2013-07-23	13/602957	2012-09-04	GLOBALFOUNDRIES Inc.	Granted
PAD BONDING EMPLOYING A SELF-ALIGNED PLATED LINER FOR ADHESION ENHANCEMENT	8492265	2013-07-23	13/431254	2012-03-27	GLOBALFOUNDRIES Inc.	Granted
IC HAVING VIABAR INTERCONNECTOR AND RELATED METHOD	8492268	2013-07-23	13/410466	2012-03-02	GLOBALFOUNDRIES Inc.	Granted
HYBRID CONTACT STRUCTURE WITH LOW ASPECT RATIO CONTACTS IN A SEMICONDUCTOR DEVICE	8492269	2013-07-23	13/234529	2011-09-16	GLOBALFOUNDRIES Inc.	Granted
METAL ALLOY GAP INTEGRATION	8492274	2013-07-23	13/653665	2012-10-17	GLOBALFOUNDRIES Inc.	Granted
METHOD TO FORM UNIFORM SLICIDE BY SELECTIVE IMPLANTATION	8492275	2013-07-23	13/186519	2011-07-20	GLOBALFOUNDRIES Inc.	Granted

METHOD OF CONTROLLING CRITICAL DIMENSIONS OF VIAS IN A METALLIZATION SYSTEM OF A SEMICONDUCTOR DEVICE DURING SILICON-ARC ETCH	8492279	2013-07-23	13/164899	2011-06-21	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF SILICON OXIDE AND OXYNITRIDE HAVING SUB-NANOMETER THICKNESS	8492290	2013-07-23	13/164891	2011-06-21	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY SELECTIVE DEPOSITION OF CARBON NANOTUBES ONTO A SUBSTRATE	8492293	2013-07-23	13/595432	2012-08-27	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR SUBSTRATE AND STRUCTURE INCLUDING MULTIPLE ORDER RADIO FREQUENCY HARMONIC SUPPRESSING REGION	8492294	2013-07-23	13/608314	2012-09-10	GLOBALFOUNDRIES Inc.	Granted
VERTICAL POLYSILICON-GERMANIUM HETEROJUNCTION BIPOLAR TRANSISTOR	8492794	2013-07-23	13/048366	2011-03-15	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT DEVICE WITH REDUCED THICKNESS GATE	8492803	2013-07-23	12/274758	2008-11-20	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE TAPERED VARACTOR	8492823	2013-07-23	12/473627	2009-05-28	GLOBALFOUNDRIES Inc.	Granted
TRENCH-GENERATED TRANSISTOR STRUCTURES, DEVICE STRUCTURES, AND DESIGN STRUCTURES	8492841	2013-07-23	13/351012	2012-01-16	GLOBALFOUNDRIES Inc.	Granted
LATERAL HYPERABRUPT JUNCTION VARACTOR DIODE IN AN SOI SUBSTRATE	8492843	2013-07-23	13/449419	2012-04-18	GLOBALFOUNDRIES Inc.	Granted
APPLICATION OF CLUSTER BEAM IMPLANTATION FOR FABRICATING THRESHOLD VOLTAGE ADJUSTED FEETS	8492848	2013-07-23	13/432716	2012-03-28	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT HAVING RAISED SOURCE DRAINS DEVICES WITH REDUCED SILICIDE CONTACT RESISTANCE AND METHODS TO FABRICATE SAME	8492854	2013-07-23	13/626242	2012-09-25	GLOBALFOUNDRIES Inc.	Granted
MAGNETIC TUNNEL JUNCTION WITH SPACER LAYER FOR SPIN TORQUE SWITCHED MRAM	8492859	2013-07-23	13/027342	2011-02-15	GLOBALFOUNDRIES Inc.	Granted
ISOLATED ZENER DIODE	8492866	2013-07-23	13/245881	2012-01-09	GLOBALFOUNDRIES Inc.	Granted
3D INTEGRATED CIRCUIT DEVICE HAVING LOWER-COST ACTIVE CIRCUITRY LAYERS STACKED BEFORE HIGHER-COST ACTIVE CIRCUITRY LAYER	8492869	2013-07-23	13/571920	2012-08-10	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL FUSE AND METHOD OF MAKING	8492871	2013-07-23	12/268541	2008-11-11	GLOBALFOUNDRIES Inc.	Granted
SOLDER BUMP CONNECTIONS	8492892	2013-07-23	12/963139	2010-12-08	GLOBALFOUNDRIES Inc.	Granted
PLL BANDWIDTH CORRECTION WITH OFFSET COMPENSATION	8493113	2013-07-23	13/230371	2011-09-12	GLOBALFOUNDRIES Inc.	Granted
LEAKAGE TOLERANT DELAY LOCKED LOOP CIRCUIT DEVICE	8493117	2013-07-23	13/295351	2011-11-14	GLOBALFOUNDRIES Inc.	Granted
COMPARATOR OFFSET CANCELLATION IN A SUCCESSIVE APPROXIMATION ANALOG-TO-DIGITAL CONVERTER	8493250	2013-07-23	13/227028	2011-09-07	GLOBALFOUNDRIES Inc.	Granted
CAPACTOR STRUCTURE	8493708	2013-07-23	13/031392	2011-02-21	GLOBALFOUNDRIES Inc.	Granted
STROBE OFFSET IN BIDIRECTIONAL MEMORY STROBE CONFIGURATIONS	8493801	2013-07-23	13/570430	2012-08-09	GLOBALFOUNDRIES Inc.	Granted
RESOURCE ADAPTIVE SPECTRUM ESTIMATION OF STREAMING DATA	8494036	2013-07-23	12/177300	2008-07-22	GLOBALFOUNDRIES Inc.	Granted
USING DIRECT MEMORY ACCESS TO INITIALIZE A PROGRAMMABLE LOGIC DEVICE	8495545	2013-07-23	13/547485	2012-07-12	GLOBALFOUNDRIES Inc.	Granted
NATIVE THRESHOLD VOLTAGE SWITCHING	8495553	2013-07-23	13/315406	2011-12-09	GLOBALFOUNDRIES Inc.	Granted
CROSS-DOMAIN ACCESS PREVENTION	8495719	2013-07-23	12/243987	2008-10-02	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR WITH BOOT SHAPED SOURCE/DRAIN REGIONS	8497180	2013-07-30	13/204271	2011-08-05	GLOBALFOUNDRIES Inc.	Granted
INTERCONNECT STRUCTURES AND METHODS OF MANUFACTURING OF INTERCONNECT STRUCTURES	8497202	2013-07-30	13/400610	2012-02-21	GLOBALFOUNDRIES Inc.	Granted
TRENCH GENERATED DEVICE STRUCTURES AND DESIGN STRUCTURES FOR RADIOFREQUENCY AND BICMOS INTEGRATED CIRCUITS	8497529	2013-07-30	12/552354	2009-09-02	GLOBALFOUNDRIES Inc.	Granted
NOBLE METAL CAP FOR INTERCONNECT STRUCTURES	8497580	2013-07-30	13/191090	2011-07-26	GLOBALFOUNDRIES Inc.	Granted

STRESS REDUCTION IN CHIP PACKAGING BY A STRESS COMPENSATION REGION FORMED AROUND THE CHIP	8497583	2013-07-30	12/964448	2010-12-09	GLOBALFOUNDRIES Inc.	Granted
DYNAMICALLY ADJUSTING PIPELINED DATA PATHS FOR IMPROVED POWER MANAGEMENT	8499140	2013-07-30	13/523307	2011-12-14	GLOBALFOUNDRIES Inc.	Granted
ACCESSING CODED DATA STORED IN A NON-VOLATILE MEMORY	8499221	2013-07-30	13/556275	2012-07-24	GLOBALFOUNDRIES Inc.	Granted
DRIVE CURRENT INCREASE IN FIELD EFFECT TRANSISTORS BY ASYMMETRIC CONCENTRATION PROFILE OF ALLOY SPECIES OF A CHANNEL SEMICONDUCTOR ALLOY	8501601	2013-08-06	13/239672	2011-09-22	GLOBALFOUNDRIES Inc.	Granted
FINFET ALIGNMENT STRUCTURES USING A DOUBLE TRENCH FLOW	8501607	2013-08-06	13/670880	2012-11-07	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR JUNCTION TRANSISTOR WITH EPITAXIAL CONTACTS	8502347	2013-08-06	13/532323	2012-06-25	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR AUTOMATIC GENERATION OF THROUGHPUT MODELS FOR SEMICONDUCTOR TOOLS	8504186	2013-08-06	13/354883	2012-01-20	GLOBALFOUNDRIES Inc.	Granted
NETWORK INTERFACE WITH SECONDARY DATA AND PACKET INFORMATION STORAGE AND MEMORY CONTROL SYSTEMS TO ACCOMMODATE OUT-OF-ORDER DATA PROCESSING AND SPLIT TRANSACTIONS ON A HOST SYSTEM BUS	8504728	2013-08-06	10/890649	2004-07-14	GLOBALFOUNDRIES Inc.	Granted
METHOD AND DEVICE FOR SELECTIVELY ADDING TIMING MARGIN IN AN INTEGRATED CIRCUIT	8504971	2013-08-06	13/355099	2012-01-20	GLOBALFOUNDRIES Inc.	Granted
LAND GRID ARRAY INTERPOSER PRODUCING METHOD	8505200	2013-08-13	12/208581	2008-09-11	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND APPARATUS FOR COOLING INTEGRATED CIRCUITS USING COPPER MICROCHANNELS	8505617	2013-08-13	13/423659	2012-03-19	GLOBALFOUNDRIES Inc.	Granted
BEOL ANTI-FUSE STRUCTURES FOR GATE LAST SEMICONDUCTOR DEVICES	8507326	2013-08-13	13/232681	2011-09-14	GLOBALFOUNDRIES Inc.	Granted
DOPANT PROFILE TUNING FOR MOS DEVICES BY ADAPTING A SPACER WIDTH PRIOR TO IMPLANTATION	8507351	2013-08-13	13/152350	2011-06-03	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP CAPACITORS IN COMBINATION WITH CMOS DEVICES ON EXTREMELY THIN SEMICONDUCTOR ON INSULATOR (ETSO) SUBSTRATES	8507354	2013-08-13	13/14238	2011-12-08	GLOBALFOUNDRIES Inc.	Granted
ALIGNMENT TOLERANT SEMICONDUCTOR CONTACT AND METHOD	8507375	2013-08-13	13/364976	2012-02-02	GLOBALFOUNDRIES Inc.	Granted
OMEGA SHAPED NANOWIRE TUNNEL FIELD EFFECT TRANSISTORS	8507892	2013-08-13	13/372714	2012-02-14	GLOBALFOUNDRIES Inc.	Granted
LOW RESISTANCE EMBEDDED STRAP FOR A TRENCH CAPACITOR	8507915	2013-08-13	13/307787	2011-11-30	GLOBALFOUNDRIES Inc.	Granted
BODY CONTROLLED DOUBLE CHANNEL TRANSISTOR AND CIRCUITS COMPRISING THE SAME	8507953	2013-08-13	12/956291	2010-11-30	GLOBALFOUNDRIES Inc.	Granted
EXTREMELY THIN SEMICONDUCTOR-ON-INSULATOR (ETSO) FET WITH A BACK GATE AND REDUCED PARASITIC CAPACITANCE	8507989	2013-08-13	13/108282	2011-05-16	GLOBALFOUNDRIES Inc.	Granted
HIGH-K METAL GATE CMOS	8507992	2013-08-13	13/048170	2011-03-15	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH WORK FUNCTION ADJUSTING LAYER HAVING VARIED THICKNESS IN A GATE WIDTH DIRECTION AND METHODS OF MAKING SAME	8508001	2013-08-13	13/217792	2011-08-25	GLOBALFOUNDRIES Inc.	Granted
METAL PAD STRUCTURE FOR THICKNESS ENHANCEMENT OF POLYMER USED IN ELECTRICAL INTERCONNECT OF SEMICONDUCTOR DIE TO SEMICONDUCTOR CHIP PACKAGE SUBSTRATE WITH SOLDER BUMPS	8508043	2013-08-13	13/298183	2011-11-16	GLOBALFOUNDRIES Inc.	Granted
CHIP PACKAGE INCLUDING MULTIPLE SECTIONS FOR REDUCING CHIP PACKAGE INTERACTION	8508053	2013-08-13	12/964359	2010-12-09	GLOBALFOUNDRIES Inc.	Granted

ON-CHIP VARIABLE DELAY TRANSMISSION LINE WITH FIXED CHARACTERISTIC IMPEDANCE	8508314	2013-08-13	13/441245	2012-04-06	GLOBALFOUNDRIES Inc.	Granted
SILICON GERMANIUM CHANNEL WITH SILICON BUFFER REGIONS FOR FIN FIELD EFFECT TRANSISTOR DEVICE	8513073	2013-08-20	13/600625	2012-08-31	GLOBALFOUNDRIES Inc.	Granted
REDUCED THRESHOLD VOLTAGE-WIDTH DEPENDENCY AND REDUCED SURFACE TOPOGRAPHY IN TRANSISTORS COMPRISING HIGH-K METAL GATE ELECTRODE STRUCTURES BY A LATE CARBON INCORPORATION	8513074	2013-08-20	13/101764	2011-05-05	GLOBALFOUNDRIES Inc.	Granted
REDUCING CONTAMINATION IN A PROCESS FLOW OF FORMING A CHANNEL SEMICONDUCTOR ALLOY IN A SEMICONDUCTOR DEVICE	8513080	2013-08-20	13/237265	2011-09-20	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING AN ANODE AND A CATHODE OF A SUBSTRATE DIODE BY PERFORMING ANGLED ION IMPLANTATION PROCESSES	8513083	2013-08-20	13/218389	2011-08-26	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR STRUCTURE WITH A SIDEWALL-DEFINED INTRINSIC BASE TO EXTRINSIC BASE LINK-UP REGION AND METHOD OF FORMING THE TRANSISTOR	8513084	2013-08-20	13/2967268	2010-12-14	GLOBALFOUNDRIES Inc.	Granted
PSEUDO BUTTED JUNCTION STRUCTURE FOR BACK PLANE CONNECTION	8513106	2013-08-20	12/964082	2010-12-09	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING AN INTERCONNECT STRUCTURE FOR A SEMICONDUCTOR DEVICE	8513109	2013-08-20	13/052956	2011-03-21	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR DIFFERENTIAL SILICIDE AND RECESSED OR RAISED SOURCE/DRAIN TO IMPROVE FIELD EFFECT TRANSISTOR	8513122	2013-08-20	13/759146	2013-02-05	GLOBALFOUNDRIES Inc.	Granted
FIN FIELD EFFECT TRANSISTOR WITH VARIABLE CHANNEL THICKNESS FOR THRESHOLD VOLTAGE TUNING	8513131	2013-08-20	13/050101	2011-03-17	GLOBALFOUNDRIES Inc.	Granted
HETEROJUNCTION BIPOLAR TRANSISTORS WITH REDUCED BASE RESISTANCE	8513706	2013-08-20	13/672040	2012-11-08	GLOBALFOUNDRIES Inc.	Granted
ESD FIELD-EFFECT TRANSISTOR AND INTEGRATED DIFFUSION RESISTOR	8513738	2013-08-20	13/188094	2011-07-21	GLOBALFOUNDRIES Inc.	Granted
METAL-GATE HIGH-K REFERENCE STRUCTURE	8513739	2013-08-20	13/103197	2011-05-09	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR WITH CHANNEL REGION HAVING PORTIONS WITH DIFFERENT BAND STRUCTURES FOR SUPPRESSED CORNER LEAKAGE	8513743	2013-08-20	13/615940	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
CMOS DEVICES INCORPORATING HYBRID ORIENTATION TECHNOLOGY (HOT) WITH EMBEDDED CONNECTORS	8513779	2013-08-20	13/559877	2012-07-27	GLOBALFOUNDRIES Inc.	Granted
BUFFER PAID IN SOLDER BUMP CONNECTORS AND METHODS OF MANUFACTURE	8513814	2013-08-20	13/098816	2011-05-02	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUE FOR VERIFYING THE MICROSTRUCTURE OF LEAD-FREE INTERCONNECTS IN SEMICONDUCTOR ASSEMBLIES	8514386	2013-08-20	13/115823	2011-05-25	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR IDENTIFYING SIMILAR MOLECULES	8515684	2013-08-20	13/333408	2011-12-21	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE PATTERNING LAYOUT DECOMPOSITION FOR EASE OF CONFLICT REMOVAL	8516403	2013-08-20	13/223844	2011-09-01	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR QUANTITATIVELY EVALUATING THE QUALITY OF DOUBLE PATTERNING TECHNOLOGY-COMPLIANT LAYOUTS	8516407	2013-08-20	13/361595	2012-01-30	GLOBALFOUNDRIES Inc.	Granted
VERTICAL POWER BUDGETING AND SHIFTING FOR THREE-DIMENSIONAL INTEGRATION	8516426	2013-08-20	13/217429	2011-08-25	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING COPPER-BASED CONDUCTIVE STRUCTURES ON AN INTEGRATED CIRCUIT DEVICE	8517769	2013-08-27	13/422295	2012-03-16	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE LITHOGRAPHIC SYSTEM MASK SHAPE SLEEVING	8518611	2013-08-27	13/007242	2011-01-14	GLOBALFOUNDRIES Inc.	Granted

FLUORINE-FREE FUSED RING HETEROAROMATIC PHOTOACID GENERATORS AND RESIST COMPOSITIONS CONTAINING THE SAME	8518630	2013-08-27	13/614521	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
MAGNETIC SPIN SHIFT REGISTER MEMORY	8518718	2013-08-27	13/613313	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
WAFER-TO-WAFER PROCESS FOR MANUFACTURING A STACKED STRUCTURE	8518741	2013-08-27	13/671098	2012-11-07	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING SWITCHING DEVICE HAVING A MOLYBDENUM OXYNITRIDE METAL GATE	8518766	2013-08-27	13/536366	2012-06-28	GLOBALFOUNDRIES Inc.	Granted
FINEPIE WITH REDUCED GATE TO FIN OVERLAY SENSITIVITY	8518767	2013-08-27	11/680221	2007-02-28	GLOBALFOUNDRIES Inc.	Granted
SELF-SEALED FLUIDIC CHANNELS FOR NANOPOROUS ARRAY	8518829	2013-08-27	13/092424	2011-04-22	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE, STRUCTURE AND METHOD OF LATCH-UP IMMUNITY FOR HIGH AND LOW VOLTAGE INTEGRATED CIRCUITS	8519402	2013-08-27	12/183462	2008-07-31	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND PROCESS FOR METAL FILL IN REPLACEMENT METAL GATE INTEGRATION	8519454	2013-08-27	13/075443	2011-03-30	GLOBALFOUNDRIES Inc.	Granted
SCHOTTKY BARRIER DIODE, A METHOD OF FORMING THE DIODE AND A DESIGN STRUCTURE FOR THE DIODE	8519478	2013-08-27	13/019716	2011-02-02	GLOBALFOUNDRIES Inc.	Granted
TEMPLATE-REGISTERED DIBLOCK COPOLYMER MASK FOR MRAM DEVICE FORMATION	8519497	2013-08-27	13/396998	2012-02-15	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY PROGRAMMABLE FUSE USING ANISOMETRIC CONTACTS AND FABRICATION METHOD	8519507	2013-08-27	12/493616	2009-06-29	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED DUAL DAMASCENE BEOL STRUCTURES WITH PATTERNABLE LOW-K MATERIAL AND METHODS OF FORMING SAME	8519540	2013-08-27	12/485366	2009-06-16	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMING THE BEHAVIOR OF INDIVIDUAL CHIPS OR STRATA IN A 3D STACK OF INTEGRATED CIRCUITS	8519735	2013-08-27	13/217734	2011-08-25	GLOBALFOUNDRIES Inc.	Granted
CLOSED-LOOP SLEW-RATE CONTROL FOR PHASE INTERPOLATOR OPTIMIZATION	8519761	2013-08-27	13/480573	2012-05-25	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED MILLIMETER WAVE ANTENNA AND TRANSCIEVER ON A SUBSTRATE	8519892	2013-08-27	13/534350	2012-06-27	GLOBALFOUNDRIES Inc.	Granted
DATA DEPENDENT SRAM WRITE ASSIST	8520429	2013-08-27	13/101436	2011-05-05	GLOBALFOUNDRIES Inc.	Granted
NANOWIRE CIRCUITS IN MATCHED DEVICES	8520430	2013-08-27	13/554057	2012-07-20	GLOBALFOUNDRIES Inc.	Granted
PHASE CHANGE MEMORY CYCLE TIMER AND METHOD	8520458	2013-08-27	13/530889	2012-06-22	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZATION PROCESS AND SYSTEM FOR A HETEROGENEOUS AD HOC NETWORK	8520535	2013-08-27	11/755811	2007-05-31	GLOBALFOUNDRIES Inc.	Granted
OPTICAL COUPLING METHOD	8520991	2013-08-27	13/085717	2011-04-13	GLOBALFOUNDRIES Inc.	Granted
THREE DIMENSIONAL AIR FLOW SENSORS FOR DATA CENTER COOLING	8521449	2013-08-27	12/479797	2009-06-06	GLOBALFOUNDRIES Inc.	Granted
METHOD TO COMPUTE WAIT TIME	8521472	2013-08-27	12/562659	2009-09-18	GLOBALFOUNDRIES Inc.	Granted
SPATIAL CORRELATION-BASED ESTIMATION OF YIELD OF INTEGRATED CIRCUITS	8522173	2013-08-27	13/590300	2012-08-21	GLOBALFOUNDRIES Inc.	Granted
CLUSTERED STACKED VIAS FOR RELIABLE ELECTRONIC SUBSTRATES	8522430	2013-09-03	13/549440	2012-07-14	GLOBALFOUNDRIES Inc.	Granted
FORMING AN ARRAY OF METAL BALLS OR SHAPES ON A SUBSTRATE	8523046	2013-09-03	13/655426	2012-10-18	GLOBALFOUNDRIES Inc.	Granted
MOSFET WITH A NANOWIRE CHANNEL AND FULLY SILICIDED (FUSI) WRAPPED AROUND GATE	8524544	2013-09-03	13/468307	2012-05-10	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH STRAIN-INDUCING REGIONS AND METHOD THEREOF	8524563	2013-09-03	13/345457	2012-01-06	GLOBALFOUNDRIES Inc.	Granted
FULL SILICIDATION PREVENTION VIA DUAL NICKEL DEPOSITION APPROACH	8524564	2013-09-03	13/204283	2011-08-05	GLOBALFOUNDRIES Inc.	Granted

METHODS FOR THE FABRICATION OF INTEGRATED CIRCUITS INCLUDING BACK-FETCHING OF RAISED CONDUCTIVE STRUCTURES	8524566	2013-09-03	13/331951	2011-12-20	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR FUSE WITH ENHANCED POST-PROGRAMMING RESISTANCE	8524567	2013-09-03	13/231194	2011-09-13	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE INCLUDING VOLTAGE CONTROLLED NEGATIVE RESISTANCE	8525153	2013-09-03	13/323514	2011-12-12	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT (IC) TEST PROBE	8525168	2013-09-03	13/179868	2011-07-11	GLOBALFOUNDRIES Inc.	Granted
RELIABLE PHYSICAL UNCLONABLE FUNCTION FOR DEVICE AUTHENTICATION	8525169	2013-09-03	13/572289	2012-08-10	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A PLANAR FIELD EFFECT TRANSISTOR WITH EMBEDDED AND FACETED SOURCE/DRAIN STRESSORS ON A SILICON-ON-INSULATOR (SOI) WAFER, A PLANAR FIELD EFFECT TRANSISTOR STRUCTURE AND A DESIGN STRUCTURE FOR THE PLANAR FIELD EFFECT TRANSISTOR	8525186	2013-09-03	13/101267	2011-05-05	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE HAVING A WETTING LAYER	8525232	2013-09-03	13/206586	2011-08-10	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF FINFET GATE SPACER	8525234	2013-09-03	13/419508	2012-03-14	GLOBALFOUNDRIES Inc.	Granted
MULTIPLYING PATTERN DENSITY BY SINGLE SIDEWALL IMAGING TRANSFER	8525235	2013-09-03	13/552205	2012-07-18	GLOBALFOUNDRIES Inc.	Granted
EDRAM HAVING DYNAMIC RETENTION AND PERFORMANCE TRADEOFF	8525245	2013-09-03	13/091292	2011-04-21	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE HIGH-K/METAL GATE MEMORY DEVICE	8525263	2013-09-03	12/355954	2009-01-19	GLOBALFOUNDRIES Inc.	Granted
PHOTONIC MODULATOR WITH A SEMICONDUCTOR CONTACT	8525264	2013-09-03	13/561738	2012-07-30	GLOBALFOUNDRIES Inc.	Granted
SOI DEVICE WITH DIT AND STI	8525292	2013-09-03	13/088376	2011-04-17	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR TRANSISTOR WITH RAISED EXTRINSIC SELF-ALIGNED BASE USING SELECTIVE EPITAXIAL GROWTH FOR BICMOS INTEGRATION	8525293	2013-09-03	13/472044	2012-05-15	GLOBALFOUNDRIES Inc.	Granted
HYBRID COPPER INTERCONNECT STRUCTURE AND METHOD OF FABRICATING SAME	8525339	2013-09-03	13/191999	2011-07-27	GLOBALFOUNDRIES Inc.	Granted
SYNCHRONIZING GLOBAL CLOCKS IN 3D STACKS OF INTEGRATED CIRCUITS BY SHORTING THE CLOCK NETWORK	8525569	2013-09-03	13/217335	2011-08-25	GLOBALFOUNDRIES Inc.	Granted
DOUBLE LAYER INTERLEAVED P-N DIODE MODULATOR	8526090	2013-09-03	13/535888	2012-06-28	GLOBALFOUNDRIES Inc.	Granted
COMPLEMENTARY SOI LATERAL BIPOLAR FOR SRAM IN A LOW-VOLTAGE CMOS PLATFORM	8526220	2013-09-03	13/158420	2011-06-12	GLOBALFOUNDRIES Inc.	Granted
8-TRANSISTOR SRAM CELL DESIGN WITH OUTER PASS-GATE DIODES	8526228	2013-09-03	13/345636	2012-01-06	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING SURFACE FEATURES USING SELF-ASSEMBLING MASKS	8529779	2013-09-10	12/057565	2008-03-28	GLOBALFOUNDRIES Inc.	Granted
FINFET WITH FULLY SLEICDED GATE	8530315	2013-09-10	13/614662	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF LARGE-AREA CIRCUIT LAYOUT RECOGNITION	8530337	2013-09-10	13/530605	2012-06-22	GLOBALFOUNDRIES Inc.	Granted
NITRIDE GATE DIELECTRIC FOR GRAPHENE MOSFET	8530886	2013-09-10	13/051707	2011-03-18	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT SPACER FOR TUNNEL FEETS	8530932	2013-09-10	13/425654	2012-03-21	GLOBALFOUNDRIES Inc.	Granted
CMOS STRUCTURE HAVING MULTIPLE THRESHOLD VOLTAGE DEVICES	8530974	2013-09-10	13/472680	2012-05-16	GLOBALFOUNDRIES Inc.	Granted
COMPLEMENTARY BIPOLAR INVERTER	8531001	2013-09-10	13/158419	2011-06-12	GLOBALFOUNDRIES Inc.	Granted
THERMAL PASTE CONTAINMENT FOR SEMICONDUCTOR MODULES	8531025	2013-09-10	11/755019	2007-05-30	GLOBALFOUNDRIES Inc.	Granted
8-TRANSISTOR SRAM CELL DESIGN WITH SCHOTTKY DIODES	8531871	2013-09-10	13/345619	2012-01-06	GLOBALFOUNDRIES Inc.	Granted
CACHE DIRECTORY LOOK-UP RE-USE AS CONFLICT CHECK MECHANISM FOR SPECULATIVE MEMORY REQUESTS	8533399	2013-09-10	12/984252	2011-01-04	GLOBALFOUNDRIES Inc.	Granted
PROVIDING CONVERSION OF A PLANAR DESIGN TO A FINFET DESIGN	8533651	2013-09-10	13/552313	2012-07-18	GLOBALFOUNDRIES Inc.	Granted

FLEXIBLE FIBER TO WAFER INTERFACE	8534927	2013-09-17	13/428277	2012-03-23	GLOBALFOUNDRIES Inc.	Granted
MULTI-SPINDLE CHEMICAL PLANARIZATION TOOL	8535118	2013-09-17	13/237374	2011-09-20	GLOBALFOUNDRIES Inc.	Granted
DIFFERENTIAL THRESHOLD VOLTAGE ADJUSTMENT IN PMOS TRANSISTORS BY DIFFERENTIAL FORMATION OF A CHANNEL SEMICONDUCTOR MATERIAL	8536009	2013-09-17	13/197239	2011-08-03	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR JUNCTION TRANSISTORS WITH A LINK REGION CONNECTING THE INTRINSIC AND EXTRINSIC BASES	8536012	2013-09-17	13/177146	2011-07-06	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES HAVING ENCAPSULATED ISOLATION REGIONS AND RELATED FABRICATION METHODS	8536019	2013-09-17	13/109869	2011-05-17	GLOBALFOUNDRIES Inc.	Granted
RESIZED WAFER WITH A NEGATIVE PHOTORESIST RING AND DESIGN STRUCTURES THEREOF	8536025	2013-09-17	13/316978	2011-12-12	GLOBALFOUNDRIES Inc.	Granted
NANOWIRE FET AND FINFET	8536029	2013-09-17	13/529334	2012-06-21	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF EMBEDDED STRESSOR THROUGH ION IMPLANTATION	8536032	2013-09-17	13/155878	2011-06-08	GLOBALFOUNDRIES Inc.	Granted
SOI SEMICONDUCTOR DEVICE COMPRISING A SUBSTRATE DIODE AND A FILM DIODE FORMED BY USING A COMMON WELL IMPLANTATION MASK	8536033	2013-09-17	13/233762	2011-09-15	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING STRESSED SILICON-CARBON AREAS IN AN NMOS TRANSISTOR	8536034	2013-09-17	13/216921	2011-08-24	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR USING MATERIAL SUBSTITUTION PROCESSES TO FORM REPLACEMENT METAL GATE ELECTRODES OF SEMICONDUCTOR DEVICES WITH SELF-ALIGNED CONTACTS	8536040	2013-09-17	13/438394	2012-04-03	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING TRANSISTOR WITH HIGH-K DIELECTRIC SIDEWALL SPACER	8536041	2013-09-17	13/559182	2012-07-26	GLOBALFOUNDRIES Inc.	Granted
REDUCED SID CONTACT RESISTANCE OF III-V MOSFET USING LOW TEMPERATURE METAL-INDUCED CRYSTALLIZATION OF N+ GE	8536043	2013-09-17	13/017127	2011-01-31	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE SHRINKAGE OF CONTACT ELEMENTS IN A SEMICONDUCTOR DEVICE	8536050	2013-09-17	13/102411	2011-05-06	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING CONTACT ELEMENTS WITH SLICED SIDEWALL REGIONS	8536052	2013-09-17	13/208835	2011-08-12	GLOBALFOUNDRIES Inc.	Granted
PARALLEL OPTICAL TRANSDUCER MODULE	8536610	2013-09-17	13/757040	2013-02-01	GLOBALFOUNDRIES Inc.	Granted
FINFET WITH REDUCED GATE TO PIN OVERLAY SENSITIVITY	8536632	2013-09-17	13/296291	2012-02-14	GLOBALFOUNDRIES Inc.	Granted
STRAINED ULTRA-THIN SOI TRANSISTOR FORMED BY REPLACEMENT GATE	8536650	2013-09-17	13/020223	2011-02-03	GLOBALFOUNDRIES Inc.	Granted
MULTI-GATE TRANSISTOR HAVING SIDEWALL CONTACTS	8536651	2013-09-17	13/604340	2012-09-05	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED CONTACTS FOR HIGH K/METAL GATE PROCESS FLOW	8536656	2013-09-17	12/987221	2011-01-10	GLOBALFOUNDRIES Inc.	Granted
THERMALLY INSULATED PHASE CHANGE MATERIAL MEMORY CELLS	8536675	2013-09-17	13/364153	2012-02-01	GLOBALFOUNDRIES Inc.	Granted
DETERMINING FUSEBAY STORAGE ELEMENT USAGE	8537627	2013-09-17	13/222949	2011-09-01	GLOBALFOUNDRIES Inc.	Granted
MASK PROGRAM DEFECT TEST	8538129	2013-09-17	12/576597	2009-10-09	GLOBALFOUNDRIES Inc.	Granted
REAL-TIME PERFORMANCE MODELING OF SOFTWARE SYSTEMS WITH MULTI-CLASS WORKLOAD	8538740	2013-09-17	12/579124	2009-10-14	GLOBALFOUNDRIES Inc.	Granted
FUNCTIONAL SIMULATION REDUNDANCY REDUCTION BY STATE COMPARISON AND PRUNING	8539404	2013-09-17	13/241496	2011-09-23	GLOBALFOUNDRIES Inc.	Granted
LAYOUT-SPECIFIC CLASSIFICATION AND PRIORITIZATION OF RECOMMENDED RULES VIOLATIONS	8539421	2013-09-17	13/328942	2011-12-16	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR EXTRACTING COMPACT MODELS FOR CIRCUIT SIMULATION	8539426	2013-09-17	13/031693	2011-02-22	GLOBALFOUNDRIES Inc.	Granted

SYSTEM YIELD OPTIMIZATION USING THE RESULTS OF INTEGRATED CIRCUIT CHIP PERFORMANCE PATH TESTING	8539429	2013-09-17	13/572954	2012-08-13	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING 3-D SEMICONDUCTOR DEVICES WITH A NANOWIRE GATE STRUCTURE WHEREIN THE NANOWIRE GATE STRUCTURE IS FORMED AFTER SOURCE/DRAIN FORMATION	8541274	2013-09-24	13/609828	2012-09-11	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT GATE PROCESS FLOW FOR HIGHLY SCALED SEMICONDUCTOR DEVICES	8541281	2013-09-24	13/588059	2012-08-17	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING INTEGRATED CIRCUITS	8541286	2013-09-24	13/299674	2012-02-17	GLOBALFOUNDRIES Inc.	Granted
PAD-LESS GATE-ALL AROUND SEMICONDUCTOR NANOWIRE FETS ON BUJK SEMICONDUCTOR WAFERS	8541295	2013-09-24	13/759641	2013-02-05	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT FABRICATION METHODS UTILIZING EMBEDDED HARDMASK LAYERS FOR HIGH RESOLUTION PATTERNING	8541311	2013-09-24	12/975701	2010-12-22	GLOBALFOUNDRIES Inc.	Granted
HIGH THROUGHPUT EPITAXIAL LIFT OFF FOR FLEXIBLE ELECTRONICS	8541315	2013-09-24	13/236119	2011-09-19	GLOBALFOUNDRIES Inc.	Granted
AVALANCHE IMPACT IONIZATION AMPLIFICATION DEVICES	8541734	2013-09-24	13/603567	2012-09-05	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR	8541823	2013-09-24	13/179635	2011-07-11	GLOBALFOUNDRIES Inc.	Granted
SCHOTTKY FET FABRICATED WITH GATE LAST PROCESS	8541835	2013-09-24	13/571429	2012-08-10	GLOBALFOUNDRIES Inc.	Granted
HIGH-K TRANSISTORS WITH LOW THRESHOLD VOLTAGE	8541842	2013-09-24	13/442087	2012-04-09	GLOBALFOUNDRIES Inc.	Granted
COMPACT THERMALLY CONTROLLED THIN FILM RESISTORS UTILIZING SUBSTRATE CONTACTS AND METHODS OF MANUFACTURE	8541864	2013-09-24	13/588218	2012-08-17	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUE FOR ENHANCING TRANSISTOR PERFORMANCE BY TRANSISTOR SPECIFIC CONTACT DESIGN	8541885	2013-09-24	13/107515	2011-05-13	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE INCLUDING BODY CONNECTED TESTS	8542058	2013-09-24	12/983352	2011-01-03	GLOBALFOUNDRIES Inc.	Granted
RECEIVER AND INTEGRATED AM-FM/Q DEMODULATORS FOR GIGABIT-RATE DATA DETECTION	8543079	2013-09-24	13/589680	2012-08-20	GLOBALFOUNDRIES Inc.	Granted
BONDING CONTROLLER GUIDED ASSESSMENT AND OPTIMIZATION FOR CHIP-TO-CHIP STACKING	8543959	2013-09-24	13/087464	2011-04-15	GLOBALFOUNDRIES Inc.	Granted
COMPUTER IMPLEMENTED DESIGN OF DEVICE FOR ELECTRO-OPTICAL MODULATION OF LIGHT INCIDENT UPON DEVICE	8543961	2013-09-24	13/492964	2012-06-11	GLOBALFOUNDRIES Inc.	Granted
CONSTRAINT OPTIMIZATION OF SUB-NET LEVEL ROUTING IN ASIC DESIGN	8543964	2013-09-24	13/280146	2011-10-24	GLOBALFOUNDRIES Inc.	Granted
TEST PATH SELECTION AND TEST PROGRAM GENERATION FOR PERFORMANCE TESTING INTEGRATED CIRCUIT CHIPS	8543966	2013-09-24	13/294210	2011-11-11	GLOBALFOUNDRIES Inc.	Granted
FLEXIBLE FIBER TO WAFER INTERFACE	8545108	2013-10-01	13/453027	2012-04-23	GLOBALFOUNDRIES Inc.	Granted
SELF-FORMING TOP ANTI-REFLECTIVE COATING COMPOSITIONS AND, PHOTORESIST MIXTURES AND METHOD OF IMAGING USING SAME	8546062	2013-10-01	13/301841	2011-11-22	GLOBALFOUNDRIES Inc.	Granted
REDUCING PERFORMANCE VARIATION OF NARROW CHANNEL DEVICES	8546219	2013-10-01	13/272340	2011-10-13	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR TRANSISTOR WITH A COLLECTOR HAVING A PROTECTED OUTER EDGE PORTION FOR REDUCED BASED-COLLECTOR JUNCTION CAPACTANCE AND A METHOD OF FORMING THE TRANSISTOR	8546230	2013-10-01	13/296496	2011-11-15	GLOBALFOUNDRIES Inc.	Granted
METHODS OF MANUFACTURING INTEGRATED SEMICONDUCTOR DEVICES WITH SINGLE CRYSTALLINE BEAM	8546240	2013-10-01	13/294610	2011-11-11	GLOBALFOUNDRIES Inc.	Granted
DUAL CONTACT TRENCH RESISTOR AND CAPACITOR IN SHALLOW TRENCH ISOLATION (STI) AND METHODS OF MANUFACTURE	8546243	2013-10-01	13/114543	2011-05-24	GLOBALFOUNDRIES Inc.	Granted

RADIATION HARDENED TRANSISTORS BASED ON GRAPHENE AND CARBON NANOTUBES	8546246	2013-10-01	13/006081	2011-01-13	GLOBALFOUNDRIES Inc.	Granted
METAL GATE FET HAVING REDUCED THRESHOLD VOLTAGE ROLL-OFF	8546252	2013-10-01	12/573440	2009-10-05	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED POLYMER PASSIVATION/ALUMINUM PAD	8546253	2013-10-01	13/415902	2012-03-09	GLOBALFOUNDRIES Inc.	Granted
INTERLAYER DIELECTRIC MATERIAL IN A SEMICONDUCTOR DEVICE COMPRISING STRESSED LAYERS WITH AN INTERMEDIATE BUFFER MATERIAL	8546274	2013-10-01	12/835967	2010-07-14	GLOBALFOUNDRIES Inc.	Granted
REARING PROTECTION DEVICE	8546855	2012-01-12	13/239865	2011-09-22	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUITS HAVING PLACE-EFFICIENT CAPACITORS AND METHODS FOR FABRICATING THE SAME	8546915	2013-10-01	13/13/442561	2012-07-05	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR (SOI) STRUCTURES INCLUDING GRADIENT NITRIDED BURIED OXIDE (BOX)	8546920	2013-10-01	13/651918	2012-10-15	GLOBALFOUNDRIES Inc.	Granted
THREE-DIMENSIONAL (3D) INTEGRATED CIRCUIT WITH ENHANCED COPPER-TO-COPPER BONDING	8546956	2013-10-01	13/826830	2013-03-14	GLOBALFOUNDRIES Inc.	Granted
ALIGNMENT MARKS TO ENABLE 3D INTEGRATION	8546961	2013-10-01	12/987202	2011-01-10	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-BASED TEST DEVICE THAT IMPLEMENTS RANDOM LOGIC FUNCTIONS	8549369	2013-10-01	13/116961	2011-05-26	GLOBALFOUNDRIES Inc.	Granted
FILTRATION MEMBRANE WITH COVALENTLY GRAFTED FOULING-RESISTANT POLYMER	8550256	2013-10-08	13/560769	2012-07-27	GLOBALFOUNDRIES Inc.	Granted
LITHOGRAPHIC CD CORRECTION BY SECOND EXPOSURE	8551677	2013-10-08	13/241995	2011-09-23	GLOBALFOUNDRIES Inc.	Granted
DOUBLE GATE PLANAR FIELD EFFECT TRANSISTORS	8551833	2013-10-08	13/161013	2011-06-15	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING CMOS SEMICONDUCTOR DEVICES	8551843	2013-10-08	13/465486	2012-05-07	GLOBALFOUNDRIES Inc.	Granted
LOW SERIES RESISTANCE TRANSISTOR STRUCTURE ON SILICON ON INSULATOR LAYER	8551872	2013-10-08	13/622712	2012-09-19	GLOBALFOUNDRIES Inc.	Granted
ELECTRONICALLY SCANNABLE MULTIPLEXING DEVICE	8552414	2013-10-08	13/398518	2012-02-16	GLOBALFOUNDRIES Inc.	Granted
SOI TRENCH DRAM STRUCTURE WITH BACKSIDE STRAP	8552487	2013-10-08	13/568601	2012-08-07	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR CMOS ETSOI WITH MULTIPLE THRESHOLD VOLTAGES AND ACTIVE WELL BIAS CAPABILITY	8552500	2013-10-08	13/114283	2011-05-24	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO MAKE REPLACEMENT METAL GATE AND CONTACT METAL	8552502	2013-10-08	13/427963	2012-03-23	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUITS HAVING IMPROVED METAL GATE STRUCTURES AND METHODS FOR FABRICATING SAME	8552505	2013-10-08	13/445719	2012-04-12	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE DELAY GENERATOR AND CASCADED INTERPOLATOR	8552783	2013-10-08	13/158079	2011-06-10	GLOBALFOUNDRIES Inc.	Granted
BIODEGRADABLE SMART SENSOR FOR MESH NETWORK APPLICATIONS	8552861	2013-10-08	13/085154	2011-04-12	GLOBALFOUNDRIES Inc.	Granted
INCREASED CAPACITY HETEROGENEOUS STORAGE ELEMENTS	8553474	2013-10-08	13/557294	2012-07-25	GLOBALFOUNDRIES Inc.	Granted
SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING MONITOR DATA INFORMATION FROM A PLURALITY OF MEMORY DEVICES HAVING FINITE ENDURANCE AND/OR RETENTION	8554989	2013-10-08	13/617996	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR DECOMPOSING CIRCUIT DESIGN LAYOUTS AND FOR FABRICATING SEMICONDUCTOR DEVICES USING DECOMPOSED PATTERNS	8555215	2013-10-08	13/400445	2012-02-20	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR ELECTRICALLY TUNABLE RESISTOR	8555216	2013-10-08	12/100592	2008-04-10	GLOBALFOUNDRIES Inc.	Granted
EMBEDDING A NANOTUBE INSIDE A NANOPORE FOR DNA TRANSLOCATION	8557097	2013-10-15	13/228491	2011-09-09	GLOBALFOUNDRIES Inc.	Granted
RECESSED SOURCE AND DRAIN REGIONS FOR FINFETS	8557648	2013-10-15	13/348188	2012-01-11	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR CONTROLLING STRUCTURE HEIGHT	8557649	2013-10-15	13/278301	2011-10-21	GLOBALFOUNDRIES Inc.	Granted
RETROGRADE SUBSTRATE FOR DEEP TRENCH CAPACITORS	8557657	2013-10-15	13/475485	2012-05-18	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING INTEGRATED CIRCUITS	8557666	2013-10-15	13/231750	2011-09-13	GLOBALFOUNDRIES Inc.	Granted

SPACER FOR A GATE ELECTRODE HAVING TENSILE STRESS AND A METHOD OF FORMING THE SAME	8557667	2013-10-15	10/987484	2004-11-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING N-SHAPED BOTTOM STRESS LINER	8557668	2013-10-15	13/248771	2012-01-12	GLOBALFOUNDRIES Inc. & GLOBALFOUNDRIES Singapore Pte. Ltd.	Granted
SOI LATERAL BIPOLAR JUNCTION TRANSISTOR HAVING A WIDE BAND GAP EMITTER CONTACT	8557670	2013-10-15	13/605253	2012-09-06	GLOBALFOUNDRIES Inc.	Granted
METHODS OF PATTERNING FEATURES IN A STRUCTURE USING MULTIPLE SIDEWALL IMAGE TRANSFER TECHNIQUE	8557675	2013-10-15	13/305303	2011-11-28	GLOBALFOUNDRIES Inc.	Granted
NANOSTRUCTURED ORGANOSILICATES FROM THERMALLY CURABLE BLOCK COPOLYMERS	8557943	2013-10-15	13/097712	2011-04-29	GLOBALFOUNDRIES Inc.	Granted
POLYSILICON EMITTER BIT ACCESS DEVICE FOR PGRAM	8558210	2013-10-15	13/449378	2012-04-18	GLOBALFOUNDRIES Inc.	Granted
NANOWIRE FIELD EFFECT TRANSISTORS	8558219	2013-10-15	13/606365	2012-09-07	GLOBALFOUNDRIES Inc.	Granted
GERMANIUM LATERAL BIPOLAR JUNCTION TRANSISTOR	8558282	2013-10-15	13/607672	2012-09-08	GLOBALFOUNDRIES Inc.	Granted
BULK SUBSTRATE FET INTEGRATED ON CMOS SOI	8558313	2013-10-15	13/425681	2012-03-21	GLOBALFOUNDRIES Inc.	Granted
SPIN-CURRENT SWITCHED MAGNETIC MEMORY ELEMENT SUITABLE FOR CIRCUIT INTEGRATION AND METHOD OF FABRICATING THE MEMORY ELEMENT	8558332	2013-10-15	13/041226	2011-03-04	GLOBALFOUNDRIES Inc.	Granted
HIGH-RESOLUTION PHASE INTERPOLATORS	8558397	2013-10-15	13/538621	2012-06-29	GLOBALFOUNDRIES Inc.	Granted
SILICON CARRIER OPTOELECTRONIC PACKAGING	8559474	2013-10-15	13/604341	2012-09-05	GLOBALFOUNDRIES Inc.	Granted
ADDING SCALABILITY AND FAULT TOLERANCE TO GENERIC FINITE STATE MACHINE FRAMEWORKS FOR USE IN AUTOMATED INCIDENT MANAGEMENT OF CLOUD COMPUTING INFRASTRUCTURES	8560887	2013-10-15	12/964340	2010-12-09	GLOBALFOUNDRIES Inc.	Granted
WRITING SCHEME FOR PHASE CHANGE MATERIAL-CONTENT ADDRESSABLE MEMORY	8560902	2013-10-15	13/587146	2012-08-16	GLOBALFOUNDRIES Inc.	Granted
BAD BLOCK MANAGEMENT FOR FLASH MEMORY	8560922	2013-10-15	13/040531	2011-03-04	GLOBALFOUNDRIES Inc.	Granted
STATISTICAL CLOCK CYCLE COMPUTATION	8560989	2013-10-15	13/311832	2011-12-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND DEVICE FOR FABRICATING BONDING WIRES ON THE BASIS OF MICROELECTRONIC MANUFACTURING TECHNIQUES	8561446	2013-10-22	12/562556	2009-09-18	GLOBALFOUNDRIES Inc.	Granted
FORMING METAL PREFORMS AND METAL BALLS	8561880	2013-10-22	13/371430	2012-02-11	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING THIN FILM RESISTOR AND TERMINAL BOND PAD SIMULTANEOUSLY	8563336	2013-10-22	12/342430	2008-12-23	GLOBALFOUNDRIES Inc.	Granted
CMOS WITH CHANNEL P-FINNET AND CHANNEL N-FINNET HAVING DIFFERENT CRYSTALLINE ORIENTATIONS AND PARALLEL FINS	8563369	2013-10-22	13/560340	2012-07-27	GLOBALFOUNDRIES Inc.	Granted
STRAINED SEMICONDUCTOR DEVICES HAVING ASYMMETRICAL HETEROJUNCTION STRUCTURES AND METHODS FOR THE FABRICATION THEREOF	8563374	2013-10-22	13/235211	2011-09-16	GLOBALFOUNDRIES Inc.	Granted
HYBRID CMOS NANOWIRE MESH DEVICE AND BULK CMOS DEVICE	8563376	2013-10-22	13/328106	2011-12-16	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY CONDUCTIVE PATH FORMING BELOW BARRIER OXIDE LAYER AND INTEGRATED CIRCUIT	8563398	2013-10-22	12/977134	2010-12-23	GLOBALFOUNDRIES Inc.	Granted
THREE DIMENSIONAL INTEGRATED CIRCUIT INTEGRATION USING ALIGNMENT VIA/DIELECTRIC BONDING FIRST AND THROUGH VIA FORMATION LAST	8563403	2013-10-22	13/534067	2012-06-27	GLOBALFOUNDRIES Inc.	Granted
SPIN-ON FORMULATION AND METHOD FOR STRIPPING AN ION IMPLANTED PHOTORESIST	8563408	2013-10-22	13/535528	2012-06-28	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING AN INTERCONNECT STRUCTURE AND DESIGN STRUCTURE THEREOF	8563419	2013-10-22	13/418659	2012-03-13	GLOBALFOUNDRIES Inc.	Granted
SHRINKAGE OF CONTACT ELEMENTS AND VIAS IN A SEMICONDUCTOR DEVICE BY INCORPORATING ADDITIONAL TAPERING MATERIAL	8563426	2013-10-22	13/208697	2011-08-12	GLOBALFOUNDRIES Inc.	Granted

TECHNIQUE TO CREATE A BURIED PLATE IN EMBEDDED DYNAMIC RANDOM ACCESS MEMORY DEVICE	8563446	2013-10-22	13/474790	2012-05-18	GLOBALFOUNDRIES Inc.	Granted
NANOWIRE FET HAVING INDUCED RADIAL STRAIN	8564025	2013-10-22	13/566594	2012-08-03	GLOBALFOUNDRIES Inc.	Granted
INVERSION MODE VARACTOR	8564040	2013-10-22	13/570360	2012-08-09	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR (SOI) STRUCTURE CONFIGURED FOR REDUCED HARMONICS AND METHOD OF FORMING THE STRUCTURE	8564067	2013-10-22	13/772402	2013-02-21	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTORS WITH LOW BODY RESISTANCE AND SELF-BALANCED BODY POTENTIAL	8564069	2013-10-22	13/590212	2012-08-21	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC CHUCKING OF AN INSULATOR HANDLE SUBSTRATE	8564113	2013-10-22	13/444193	2012-04-11	GLOBALFOUNDRIES Inc.	Granted
HIGH-RESOLUTION PHASE INTERPOLATORS	8564352	2013-10-22	13/538276	2012-06-29	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT HAVING ELECTROSTATIC DISCHARGE PROTECTION	8564917	2013-10-22	13/151898	2011-06-02	GLOBALFOUNDRIES Inc.	Granted
HIGH ENERGY DENSITY STORAGE MATERIAL DEVICE USING NANOCHANNEL STRUCTURE	8564935	2013-10-22	13/745221	2013-01-18	GLOBALFOUNDRIES Inc.	Granted
MANUFACTURING EXECUTION SYSTEM (MES) INCLUDING A WAFER SAMPLING ENGINE (WSE) FOR A SEMICONDUCTOR MANUFACTURING PROCESS	8565910	2013-10-22	13/020846	2011-02-04	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR REDUCING DEGRADATION AND/OR MODIFYING FEATURE SIZE OF PHOTOMASKS	8568959	2013-10-29	12/244903	2008-10-03	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE EXPOSURE PHOTOLITHOGRAPHY METHODS	8568960	2013-10-29	13/418421	2012-03-13	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT SWITCHES; DESIGN STRUCTURE AND METHODS OF FABRICATING THE SAME	8569091	2013-10-29	12/548697	2009-08-27	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT WITH A FIN-BASED FUSE, AND RELATED FABRICATION METHOD	8569116	2013-10-29	13/171228	2011-06-28	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE AND NANOTUBE/NANOWIRE TRANSISTOR WITH A SELF-ALIGNED GATE STRUCTURE ON TRANSPARENT SUBSTRATES AND METHOD OF MAKING SAME	8569121	2013-10-29	13/286394	2011-11-01	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FABRICATING A SEMICONDUCTOR IC HAVING A HARDENED SHALLOW TRENCH ISOLATION (STI)	8569159	2013-10-29	13/453215	2012-04-23	GLOBALFOUNDRIES Inc.	Granted
CMOS STRUCTURE INCLUDING NON-PLANAR HYBRID ORIENTATION SUBSTRATE WITH PLANAR GATE ELECTRODES AND METHOD FOR FABRICATION						
DUAL-METAL SELF-ALIGNED WIRES AND VIAS	8569168	2013-10-29	13/371493	2012-02-13	GLOBALFOUNDRIES Inc.	Granted
MASK-BASED SILICIDATION FOR BEOL DEFECTIVITY REDUCTION AND YIELD BOOST	8569171	2013-10-29	13/175709	2011-07-01	GLOBALFOUNDRIES Inc.	Granted
METHOD OF CONCENTRATING SOLAR ENERGY	8569616	2013-10-29	13/237386	2011-09-20	GLOBALFOUNDRIES Inc.	Granted
BEOL COMPATIBLE BEIT STRUCTURE	8569803	2013-10-29	13/572742	2012-08-13	GLOBALFOUNDRIES Inc.	Granted
METAL GATE CMOS WITH AT LEAST A SINGLE GATE METAL AND DUAL GATE DIELECTRICS	8569844	2013-10-29	12/211649	2008-09-16	GLOBALFOUNDRIES Inc.	Granted
HIGH MEMORY DENSITY, HIGH INPUT/OUTPUT BANDWIDTH LOGIC-MEMORY STRUCTURE AND ARCHITECTURE	8569874	2013-10-29	13/043749	2011-03-09	GLOBALFOUNDRIES Inc.	Granted
REDUCING PHASE LOCKED LOOP PHASE LOCK TIME	8570079	2013-10-29	13/226557	2011-09-07	GLOBALFOUNDRIES Inc.	Granted
SELECTABLE REPAIR PASS MASKING	8570820	2013-10-29	13/042881	2011-03-08	GLOBALFOUNDRIES Inc.	Granted
DESIGN-DEPENDENT INTEGRATED CIRCUIT DISPOSITION SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR DETERMINING A RETENTION BEHAVIOR FOR AT LEAST ONE BLOCK OF A MEMORY DEVICE HAVING FINITE ENDURANCE AND/OR RETENTION	8572443	2013-10-29	12/420589	2009-04-08	GLOBALFOUNDRIES Inc.	Granted
MATERIALS AND METHODS FOR IMMOBILIZATION OF CATALYSTS ON SURFACES AND FOR SELECTIVE ELECTROLESS METALLIZATION	8574680	2013-11-05	12/982014	2010-12-30	GLOBALFOUNDRIES Inc.	Granted

LITHOGRAPHIC CD CORRECTION BY SECOND EXPOSURE	8574795	2013-11-05	13/595650	2012-08-27	GLOBALFOUNDRIES Inc.	Granted
PATTERNING NANO-SCALE PATTERNS ON A FILM COMPRISING UNZIPPING COPOLYMERS	8574815	2013-11-05	13/570921	2012-08-09	GLOBALFOUNDRIES Inc.	Granted
MULTI-ELEMENT PACKAGING OF CONCENTRATOR PHOTOVOLTAIC CELLS	8574946	2013-11-05	13/586182	2012-08-15	GLOBALFOUNDRIES Inc.	Granted
LOW TEMPERATURE MELT-PROCESSING OF ORGANIC-INORGANIC HYBRID	8574953	2013-11-05	13/362862	2012-01-31	GLOBALFOUNDRIES Inc.	Granted
METHOD OF INCREASING THE GERMANIUM CONCENTRATION IN A SILICON-GERMANIUM LAYER AND SEMICONDUCTOR DEVICE COMPRISING SAME	8574981	2013-11-05	13/101659	2011-05-05	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC TRANSISTOR DEVICES FORMED BY ASYMMETRIC SPACERS AND TILTED IMPLANTATION	8574991	2013-11-05	13/417651	2012-03-12	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT GATE FABRICATION METHODS	8575013	2013-11-05	13/281236	2011-10-25	GLOBALFOUNDRIES Inc.	Granted
REPAIR OF DAMAGED SURFACE AREAS OF SENSITIVE LOW-K DIELECTRICS OF MICROSTRUCTURE DEVICES AFTER PLASMA PROCESSING BY IN SITU TREATMENT	8575041	2013-11-05	13/233590	2011-09-15	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR PMOS DEVICES WITH HIGH K METAL GATE INTEGRATION AND SICE CHANNEL ENGINEERING	8575655	2013-11-05	13/431328	2012-03-27	GLOBALFOUNDRIES Inc.	Granted
CHARGE BREAKDOWN AVOIDANCE FOR MIM ELEMENTS IN SOI BASE TECHNOLOGY AND METHOD	8575668	2013-11-05	13/116416	2011-05-26	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED DYNAMIC RANDOM ACCESS MEMORY DEVICE FORMED IN AN EXTREMELY THIN SEMICONDUCTOR ON INSULATOR (ETSO) SUBSTRATE	8575670	2013-11-05	13/316056	2011-12-09	GLOBALFOUNDRIES Inc.	Granted
MOSFET WITH THIN SEMICONDUCTOR CHANNEL AND EMBEDDED STRESSOR WITH ENHANCED JUNCTION ISOLATION	8575698	2013-11-05	13/283308	2011-10-27	GLOBALFOUNDRIES Inc.	Granted
INACTIVITY TRIGGERED SELF-CLOCKING LOGIC FAMILY	8575964	2013-11-05	13/426776	2012-03-22	GLOBALFOUNDRIES Inc.	Granted
3D CHIP STACK SKEW REDUCTION WITH RESONANT CLOCK AND INDUCTIVE COUPLING	8576000	2013-11-05	13/217349	2011-08-25	GLOBALFOUNDRIES Inc.	Granted
DATA ENCODING IN SOLID-STATE STORAGE DEVICES	8578246	2013-11-05	13/097402	2011-04-29	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT DESIGN WITH GROWABLE CAPACITOR ARRAYS	8578314	2013-11-05	13/604814	2012-09-06	GLOBALFOUNDRIES Inc.	Granted
SCHEDULING FOR PARALLEL PROCESSING OF REGIONALLY-CONSTRAINED PLACEMENT PROBLEM	8578315	2013-11-05	13/550957	2012-07-17	GLOBALFOUNDRIES Inc.	Granted
METHODOLOGIES FOR AUTOMATIC 3-D DEVICE STRUCTURE SYNTHESIS FROM CIRCUIT LAYOUTS FOR DEVICE SIMULATION	8578316	2013-11-05	13/607678	2012-09-08	GLOBALFOUNDRIES Inc.	Granted
METHODS OF CONTROLLING THE ETCHING OF SILICON NITRIDE RELATIVE TO SILICON DIOXIDE	8580133	2013-11-12	13/295497	2011-11-14	GLOBALFOUNDRIES Inc.	Granted
PIXEL SENSOR CELL WITH A DUAL WORK FUNCTION GATE ELECTRODE	8580601	2013-11-12	13/571986	2012-08-10	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT CONTACT STRUCTURE AND METHOD	8580628	2013-11-12	13/365030	2012-02-02	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING 3-D SEMICONDUCTOR DEVICES WITH A NANOWIRE GATE STRUCTURE WHEREIN THE NANOWIRE GATE STRUCTURE IS FORMED PRIOR TO SOURCE/DRAIN FORMATION	8580634	2013-11-12	13/609941	2012-09-11	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REPLACING SILICON WITH METAL IN INTEGRATED CIRCUIT CHIP FABRICATION	8580635	2013-11-12	13/310796	2011-12-05	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING FINFET DEVICES WITH ALTERNATIVE CHANNEL MATERIALS	8580642	2013-11-12	13/476645	2012-05-21	GLOBALFOUNDRIES Inc.	Granted
THRESHOLD VOLTAGE ADJUSTMENT IN A FIN TRANSISTOR BY CORNER IMPLANTATION	8580643	2013-11-12	13/217009	2011-08-24	GLOBALFOUNDRIES Inc.	Granted

MOSFET INTEGRATED CIRCUIT HAVING DOPED CONDUCTIVE INTERCONNECTS AND METHODS FOR ITS MANUFACTURE	8580665	2013-11-12	13/267739	2011-10-06	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING BUMP STRUCTURES THAT INCLUDE A PROTECTION LAYER	8580672	2013-11-12	13/280881	2011-10-25	GLOBALFOUNDRIES Inc.	Granted
SILICIDATION AND/OR GERMANIATION ON SIGE OR GE BY COSPUTTERING NI AND GE AND USING AN INTRALAYER FOR THERMAL STABILITY	8580686	2013-11-12	13/453740	2012-04-23	GLOBALFOUNDRIES Inc.	Granted
MOS CAPACITORS WITH A FINFET PROCESS	8581320	2013-11-12	13/476567	2012-05-21	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH TRANSISTOR LOCAL INTERCONNECTS	8581348	2013-11-12	13/324699	2011-12-13	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT GATE WITH REDUCED GATE LEAKAGE CURRENT	8581351	2013-11-12	13/006656	2011-01-14	GLOBALFOUNDRIES Inc.	Granted
SILICON BASED MICROCHANNEL COOLING AND ELECTRICAL PACKAGE	8581392	2013-11-12	13/708499	2012-12-07	GLOBALFOUNDRIES Inc.	Granted
HIGH FREQUENCY QUADRATURE PLL CIRCUIT AND METHOD	8581648	2013-11-12	13/761358	2013-02-07	GLOBALFOUNDRIES Inc.	Granted
DATA SOURCE INTERFACE ENHANCED ERROR RECOVERY	8583796	2013-11-12	09/750475	2000-12-28	GLOBALFOUNDRIES Inc.	Granted
SYSTEM AND METHOD FOR GENERATING A WIRE MODEL	8584066	2013-11-12	13/603052	2012-09-04	GLOBALFOUNDRIES Inc.	Granted
EVALUATING ROUTING CONGESTION BASED ON AVERAGE GLOBAL EDGE CONGESTION HISTOGRAMS	8584070	2013-11-12	13/252868	2011-10-04	GLOBALFOUNDRIES Inc.	Granted
PLANARIZATION OF A MATERIAL SYSTEM IN A SEMICONDUCTOR DEVICE BY USING A NON-SELECTIVE IN SITU PREPARED SLURRY	8585465	2013-11-19	12/969969	2010-12-16	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A HIGH RESOLUTION RESIST PATTERN ON A SEMICONDUCTOR WAFER	8586269	2013-11-19	11/726433	2007-03-22	GLOBALFOUNDRIES Inc.	Granted
NEAR-INFRARED ABSORBING FILM COMPOSITIONS	8586283	2013-11-19	13/608409	2012-09-10	GLOBALFOUNDRIES Inc.	Granted
SILICON CONTROLLED RECTIFIER WITH STRESS-ENHANCED ADJUSTABLE TRIGGER VOLTAGE	8586423	2013-11-19	13/168232	2011-06-24	GLOBALFOUNDRIES Inc.	Granted
INVERSION MODE VARACTOR	8586439	2013-11-19	13/546150	2012-07-11	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING INTEGRATED CIRCUITS USING NON-OXIDIZING RESIST REMOVAL	8586440	2013-11-19	13/192332	2011-07-27	GLOBALFOUNDRIES Inc.	Granted
GERMANIUM LATERAL BIPOLAR JUNCTION TRANSISTOR	8586441	2013-11-19	13/611606	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
CREATING DEEP TRENCHES ON UNDERLYING SUBSTRATE	8586444	2013-11-19	13/428004	2012-03-23	GLOBALFOUNDRIES Inc.	Granted
RAISED ISOLATION STRUCTURE SELF-ALIGNED TO FIN STRUCTURES	8586449	2013-11-19	13/603872	2012-09-05	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL FUSE WITH A CURRENT SHUNT	8586466	2013-11-19	12/967308	2010-12-14	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING INTEGRATED CIRCUITS WITH RUTHENIUM-LINED COPPER	8586473	2013-11-19	13/533816	2012-06-26	GLOBALFOUNDRIES Inc.	Granted
FILM STACK INCLUDING METAL HARDMASK LAYER FOR SIDEWALL IMAGE TRANSFER FIN FIELD EFFECT TRANSISTOR FORMATION	8586482	2013-11-19	13/171868	2011-06-29	GLOBALFOUNDRIES Inc.	Granted
THREE-TERMINAL CASCADE SWITCH FOR CONTROLLING STATIC POWER CONSUMPTION IN INTEGRATED CIRCUITS	8586957	2013-11-19	12/551631	2009-09-01	GLOBALFOUNDRIES Inc.	Granted
POLYMERIC MATERIAL, METHOD OF FORMING THE POLYMERIC MATERIAL, AND METHOD OF FORMING A THIN FILM USING THE POLYMERIC MATERIAL	8586971	2013-11-19	13/050519	2011-03-17	GLOBALFOUNDRIES Inc.	Granted
SILICON ON INSULATOR (SOI) FIELD EFFECT TRANSISTORS (FETs) WITH ADJACENT BODY CONTACTS	8587062	2013-11-19	11/690975	2007-03-26	GLOBALFOUNDRIES Inc.	Granted
LOCAL BOTTOM GATES FOR GRAPHENE AND CARBON NANOTUBE DEVICES	8587065	2013-11-19	13/364273	2012-02-01	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE DEVICES AND SILICON FIELD EFFECT TRANSISTORS IN 3D HYBRID INTEGRATED CIRCUITS	8587067	2013-11-19	13/559941	2012-07-27	GLOBALFOUNDRIES Inc.	Granted
SRAM WITH HYBRID FINFET AND PLANAR TRANSISTORS	8587068	2013-11-19	13/359454	2012-01-26	GLOBALFOUNDRIES Inc.	Granted

AC SUPPLY NOISE REDUCTION IN A 3D STACK WITH VOLTAGE SENSING AND CLOCK SHIFTING	8587357	2013-11-19	13/217406	2011-08-25	GLOBALFOUNDRIES Inc.	Granted
OFF-LINE GAIN CALIBRATION IN A TIME-INTERLEAVED ANALOG-TO-DIGITAL CONVERTER	8587464	2013-11-19	13/346242	2012-01-09	GLOBALFOUNDRIES Inc.	Granted
AUTOMATIC PARITY CHECKING IDENTIFICATION	8589841	2013-11-19	13/439885	2012-04-05	GLOBALFOUNDRIES Inc.	Granted
METHOD AND DEVICE FOR SELECTIVELY ADDING TIMING MARGIN IN AN INTEGRATED CIRCUIT	8589843	2013-11-19	13/355065	2012-01-20	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR ANALYZING DESIGN RULES	8589844	2013-11-19	13/369938	2012-02-09	GLOBALFOUNDRIES Inc.	Granted
DATAPATH PLACEMENT USING TIERED ASSIGNMENT	8589848	2013-11-19	13/451382	2012-04-19	GLOBALFOUNDRIES Inc.	Granted
RETENTION BASED INTRINSIC FINGERPRINT IDENTIFICATION	8590010	2013-11-19	13/302314	2011-11-22	GLOBALFOUNDRIES Inc.	Granted
FEATURING A FUZZY ALGORITHM AND A DYNAMIC KEY						
EXTREME ULTRAVIOLET MASKS HAVING ANNEALED LIGHT-ABSORPTIVE BORDERS AND ASSOCIATED FABRICATION METHODS	8592103	2013-11-26	13/190270	2011-07-25	GLOBALFOUNDRIES Inc.	Granted
PIXEL SENSOR CELLS AND METHODS OF MANUFACTURING	8592244	2013-11-26	13/189961	2011-07-25	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PROCESS TO FABRICATE A MEMORY CELL ARRAY WITH A SURROUNDING-GATE ACCESS TRANSISTOR	8592250	2013-11-26	13/364311	2012-02-01	GLOBALFOUNDRIES Inc.	Granted
SOURCE-DRAIN EXTENSION FORMATION IN REPLACEMENT METAL GATE TRANSISTOR DEVICE	8592264	2013-11-26	13/332991	2011-12-21	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURES USING REPLACEMENT GATE AND PATTERNING METHOD FOR FABRICATION OF A SEMICONDUCTOR DEVICE	8592268	2013-11-26	13/862901	2013-04-15	GLOBALFOUNDRIES Inc.	Granted
PATTERNING METHOD FOR FABRICATION OF A SEMICONDUCTOR DEVICE	8592302	2013-11-26	13/407079	2011-11-30	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR DEPOSITING A CONDUCTIVE CAPPING LAYER ON METAL LINES	8592312	2013-11-26	11/811418	2007-06-07	GLOBALFOUNDRIES Inc.	Granted
MICRO-ELECTRO-MECHANICAL SYSTEM (MEMS) CAPACITIVE OHMIC SWITCH AND DESIGN STRUCTURES	8592876	2013-11-26	13/342689	2012-01-03	GLOBALFOUNDRIES Inc.	Granted
SELECTIVELY RAISED SOURCE/DRAIN TRANSISTOR	8592916	2013-11-26	13/424787	2012-03-20	GLOBALFOUNDRIES Inc.	Granted
LITHOGRAPHY FOR PRINTING CONSTANT LINE WIDTH FEATURES	8592946	2013-11-26	13/047037	2011-03-14	GLOBALFOUNDRIES Inc.	Granted
ACCURATE DEPOSITION OF NANO-OBJECTS ON A SURFACE	8592955	2013-11-26	13/606326	2012-09-07	GLOBALFOUNDRIES Inc.	Granted
TRANSMITTANCE AMPLIFIER	8593226	2013-11-26	13/226650	2011-09-07	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC MEMORY CELLS	8593861	2013-11-26	13/269942	2011-10-10	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING SUPPLY AND SOURCE WRITE ASSIST FOR SRAM ARRAYS	8593890	2013-11-26	13/455394	2012-04-25	GLOBALFOUNDRIES Inc.	Granted
DRAIN-PUMPED SUB-HARMONIC MIXER FOR MILLIMETER WAVE APPLICATIONS	8594609	2013-11-26	13/046377	2011-03-11	GLOBALFOUNDRIES Inc.	Granted
BITLINE DELETION	8595570	2013-11-26	13/523624	2012-06-14	GLOBALFOUNDRIES Inc.	Granted
BDD-BASED FUNCTIONAL MODELING	8595676	2013-11-26	13/163700	2011-06-19	GLOBALFOUNDRIES Inc.	Granted
SILICON CHICKLET PEDESTAL	8595919	2013-12-03	13/095973	2011-04-28	GLOBALFOUNDRIES Inc.	Granted
METHOD TO REORDER (SHUFFLE) OPTICAL CABLE WAVEGUIDE LAYERS	8596879	2013-12-03	13/277767	2011-10-20	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED SILICON GERMANIUM N-TYPE FILED EFFECT TRANSISTOR FOR REDUCED FLOATING BODY EFFECT	8597991	2013-12-03	13/568689	2012-08-07	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD OF FABRICATION	8597994	2013-12-03	13/113901	2011-05-23	GLOBALFOUNDRIES Inc.	Granted
METHODS OF PERFORMING HIGHLY TILTED HALO IMPLANTATION PROCESSES ON SEMICONDUCTOR DEVICES	8598007	2013-12-03	13/487351	2012-06-04	GLOBALFOUNDRIES Inc.	Granted
PENTACENE-CARBON NANOTUBE COMPOSITE. METHOD OF FORMING THE COMPOSITE, AND SEMICONDUCTOR DEVICE INCLUDING THE COMPOSITE	8598569	2013-12-03	12/113064	2008-04-30	GLOBALFOUNDRIES Inc.	Granted
TEST STRUCTURE FOR I/D VOID TESTING AND CONTACT RESISTANCE MEASUREMENT IN A SEMICONDUCTOR DEVICE	8598579	2013-12-03	13/020127	2011-02-03	GLOBALFOUNDRIES Inc.	Granted

SEMICONDUCTOR DEVICE HAVING CONTACT LAYER PROVIDING ELECTRICAL CONNECTIONS	8598633	2013-12-03	13/351101	2012-01-16	GLOBALFOUNDRIES Inc.	Granted
SEA-OF-FINNS STRUCTURE ON A SEMICONDUCTOR SUBSTRATE AND METHOD OF FABRICATION	8598641	2013-12-03	13/287170	2011-11-02	GLOBALFOUNDRIES Inc.	Granted
STRESS ENHANCED IDMS TRANSISTOR TO MINIMIZE ON-RESISTANCE AND MAINTAIN HIGH BREAKDOWN VOLTAGE	8598660	2013-12-03	13/150612	2011-06-01	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE HAVING VARACTOR WITH PARALLEL DC PATH ADJACENT THERETO	8598683	2013-12-03	13/451087	2012-04-19	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING THROUGH HOLE VIAS HAVING A STRESS RELAXATION MECHANISM	8598714	2013-12-03	12/970553	2010-12-16	GLOBALFOUNDRIES Inc.	Granted
HIGH DENSITY DATA STORAGE MEDIUM, METHOD AND DEVICE	8599673	2013-12-03	13/342409	2012-01-03	GLOBALFOUNDRIES Inc.	Granted
COUPLING SYSTEM FOR DATA RECEIVERS	8599966	2013-12-03	13/173434	2011-06-30	GLOBALFOUNDRIES Inc.	Granted
SOLVING CONGESTION USING NET GROUPING	8601425	2013-12-03	13/445128	2012-04-12	GLOBALFOUNDRIES Inc.	Granted
V-GROOVE SOURCE/DRAIN MOSFET AND PROCESS FOR FABRICATING SAME	8603868	2013-12-10	13/329604	2011-12-19	GLOBALFOUNDRIES Inc.	Granted
RAISED TRENCH METAL SEMICONDUCTOR ALLOY FORMATION	8603881	2013-12-10	13/623292	2012-09-20	GLOBALFOUNDRIES Inc.	Granted
FLAT RESPONSE DEVICE STRUCTURES FOR BIPOLAR JUNCTION TRANSISTORS	8603885	2013-12-10	12/984359	2011-01-04	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT STRUCTURE HAVING AIR-GAP TRENCH ISOLATION AND RELATED DESIGN STRUCTURE	8603889	2013-12-10	13/436045	2012-03-30	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING FINNET INTEGRATED CIRCUITS ON BULK SEMICONDUCTOR SUBSTRATES	8603893	2013-12-10	13/474443	2012-05-17	GLOBALFOUNDRIES Inc.	Granted
STRESSED SOURCE/DRAIN CMOS AND METHOD FOR FORMING SAME	8603894	2013-12-10	13/423716	2012-03-19	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING ISOLATION STRUCTURES FOR SEMICONDUCTOR DEVICES BY PERFORMING A DEPOSITION-ETCH-DEPOSITION SEQUENCE	8603895	2013-12-10	13/610263	2012-09-11	GLOBALFOUNDRIES Inc.	Granted
METHOD TO EVALUATE EFFECTIVENESS OF SUBSTRATE CLEANNESS AND QUANTITY OF PIN HOLES IN AN ANTIREFLECTIVE COATING OF A SOLAR CELL	8604337	2013-12-10	13/604230	2012-09-05	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED III-V FIELD EFFECT TRANSISTOR (FET) AND INTEGRATED CIRCUIT (IC) CHIP	8604519	2013-12-10	13/487473	2012-06-04	GLOBALFOUNDRIES Inc.	Granted
BULK FIN-FIELD EFFECT TRANSISTORS WITH WELL DEFINED ISOLATION	8604539	2013-12-10	13/614885	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF PLACING A SEMICONDUCTING NANOSTRUCTURE AND SEMICONDUCTOR DEVICE INCLUDING THE SEMICONDUCTING NANOSTRUCTURE	8604559	2013-12-10	13/077216	2011-03-31	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURES AND METHODS OF MANUFACTURING THE SAME	8604564	2013-12-10	13/422390	2012-03-16	GLOBALFOUNDRIES Inc.	Granted
TRANSPARENT PHOTODETECTOR	8604574	2013-12-10	13/099827	2011-05-03	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR REDUCING VERTICAL CRACK PROPAGATION	8604618	2013-12-10	13/239533	2011-09-22	GLOBALFOUNDRIES Inc.	Granted
SELF-ORIENTING MICRO PLATES OF THERMALLY CONDUCTING MATERIAL AS COMPONENT IN THERMAL PASTE OR ADHESIVE	8604623	2013-12-10	13/553887	2012-07-20	GLOBALFOUNDRIES Inc.	Granted
VERTICAL INTEGRATED CIRCUIT SWITCHES, DESIGN STRUCTURE AND METHODS OF FABRICATING SAME	8604898	2013-12-10	12/426561	2009-04-20	GLOBALFOUNDRIES Inc.	Granted
PARALLEL PROGRAMMING SCHEME IN MULTI-BIT PHASE CHANGE MEMORY	8605497	2013-12-10	13/335310	2011-12-22	GLOBALFOUNDRIES Inc.	Granted
RESONANCE NANOELECTROMECHANICAL SYSTEMS	8605499	2013-12-10	13/092247	2011-04-22	GLOBALFOUNDRIES Inc.	Granted

METHOD AND APPARATUS FOR DYNAMIC MANIPULATION AND DISPERSION IN PHOTONIC CRYSTAL DEVICES	8606060	2013-12-10	11/122152	2005-05-04	GLOBALFOUNDRIES Inc.	Granted
PROCESS OF MAKING A LITHOGRAPHIC STRUCTURE USING ANTIREFLECTIVE MATERIALS	8609322	2013-12-17	13/617634	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH DRAM BIT LINES MADE FROM SAME MATERIAL AS GATE ELECTRODES IN NON-MEMORY REGIONS OF THE DEVICE, AND METHODS OF MAKING SAME	8609457	2013-12-17	13/099692	2011-05-03	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING ISOLATION STRUCTURES ON FINFET SEMICONDUCTOR DEVICES	8609480	2013-12-17	13/332676	2011-12-21	GLOBALFOUNDRIES Inc.	Granted
GATE-ALL-AROUND CARBON NANOTUBE TRANSISTOR WITH SELECTIVELY DOPED SPACERS	8609481	2013-12-17	13/705920	2012-12-05	GLOBALFOUNDRIES Inc.	Granted
ENHANCING INTERFACE CHARACTERISTICS BETWEEN A CHANNEL SEMICONDUCTOR ALLOY AND A GATE DIELECTRIC BY AN OXIDATION PROCESS	8609482	2013-12-17	13/549184	2012-07-13	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR WITH EMBEDDED SIGE MATERIAL HAVING REDUCED OFFSET AND SUPERIOR UNIFORMITY	8609498	2013-12-17	13/006148	2011-01-13	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING MIM CAPACITOR STRUCTURE IN FEOL SUPERIOR INTEGRITY OF HIGH-K METAL GATE STACKS BY FORMING SITI REGIONS AFTER GATE METALS	8609505	2013-12-17	13/359032	2012-01-26	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT METAL GATE DIFFUSION BREAK FORMATION	8609510	2013-12-17	13/623893	2012-09-21	GLOBALFOUNDRIES Inc.	Granted
METHODS OF SELECTIVELY FORMING RUTHENIUM LINER LAYER	8609531	2013-12-17	13/787384	2013-03-06	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING INTEGRATED CIRCUITS HAVING SUBSTRATE CONTACTS AND INTEGRATED CIRCUITS HAVING SUBSTRATE CONTACTS	8609533	2013-12-17	13/436323	2012-03-30	GLOBALFOUNDRIES Inc.	Granted
INCREASED STABILITY OF A COMPLEX MATERIAL STACK IN A SEMICONDUCTOR DEVICE BY PROVIDING FLUORINE ENRICHED INTERFACES	8609555	2013-12-17	13/115192	2011-05-25	GLOBALFOUNDRIES Inc.	Granted
SETS WITH HYBRID CHANNEL MATERIALS	8610172	2013-12-17	13/326825	2011-12-15	GLOBALFOUNDRIES Inc.	Granted
BIPOLAR TRANSISTOR WITH A RAISED COLLECTOR PEDDESTAL FOR REDUCED CAPACITANCE	8610174	2013-12-17	13/307412	2011-11-30	GLOBALFOUNDRIES Inc.	Granted
V-GROOVE SOURCE/DRAIN MOSFET AND PROCESS FOR FABRICATING SAME	8610181	2013-12-17	13/624251	2012-09-21	GLOBALFOUNDRIES Inc.	Granted
NON-UNIFORM GATE DIELECTRIC CHARGE FOR PIXEL SENSOR CELLS AND METHODS OF MANUFACTURING	8610185	2013-12-17	13/736505	2013-01-08	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT DECOUPLING CAPACITOR ARRANGEMENT	8610188	2013-12-17	13/233948	2011-09-15	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR ACTIVE MATRIX ON BURIED INSULATOR	8610212	2013-12-17	13/526139	2012-06-18	GLOBALFOUNDRIES Inc.	Granted
SELF-PROTECTED ELECTROSTATIC DISCHARGE FIELD EFFECT TRANSISTOR (SPESDFT), AN INTEGRATED CIRCUIT INCORPORATING THE SPESDFT AS AN INPUT/OUTPUT (I/O) PAD DRIVER AND ASSOCIATED METHODS OF FORMING THE SPESDFT AND THE INTEGRATED CIRCUIT	8610217	2013-12-17	12/967114	2010-12-14	GLOBALFOUNDRIES Inc.	Granted
HYBRID MOSFET STRUCTURE HAVING DRAIN SIDE SCHOTTKY JUNCTION	8610233	2013-12-17	13/049491	2011-03-16	GLOBALFOUNDRIES Inc.	Granted
METAL F-FUSE WITH INTERMETALLIC COMPOUND PROGRAMMING MECHANISM AND METHODS OF MAKING SAME	8610243	2013-12-17	13/315647	2011-12-09	GLOBALFOUNDRIES Inc.	Granted
LAYERED STRUCTURE WITH FUSE	8610244	2013-12-17	13/494327	2012-06-12	GLOBALFOUNDRIES Inc.	Granted
NON-PLANAR CAPACITOR AND METHOD OF FORMING THE NON-PLANAR CAPACITOR	8610249	2013-12-17	13/434964	2012-03-30	GLOBALFOUNDRIES Inc.	Granted

METAL CAP FOR BACK END OF LINE (BEOL) INTERCONNECTS, DESIGN STRUCTURE AND METHOD OF MANUFACTURE	8610276	2013-12-17	13/474916	2012-05-18	GLOBALFOUNDRIES Inc.	Granted
USE OF GRAPHENE TO LIMIT COPPER SURFACE OXIDATION, DIFFUSION AND ELECTROMIGRATION IN INTERCONNECT STRUCTURES	8610278	2013-12-17	13/587521	2012-08-16	GLOBALFOUNDRIES Inc.	Granted
DOUBLE-SIDED SEMICONDUCTOR STRUCTURE USING THROUGH-SILICON VIAS	8610281	2013-12-17	13/633234	2012-10-02	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE BASED STRUCTURES AND METHODS FOR BROADBAND ELECTROMAGNETIC RADIATION ABSORPTION AT THE MICROWAVE AND TERAHERTZ FREQUENCIES	8610617	2013-12-17	13/530725	2012-06-22	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD FOR DETECTING RESISTIVE DEFECT	8611164	2013-12-17	13/195114	2011-08-01	GLOBALFOUNDRIES Inc.	Granted
FINE GRANULARITY POWER GATING	8611169	2013-12-17	13/315604	2011-12-09	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT AND METHOD FOR EFFICIENT MEMORY REPAIR	8612813	2013-12-17	13/750497	2013-01-25	GLOBALFOUNDRIES Inc.	Granted
ASYNCHRONOUS CIRCUIT WITH AN AT-SPEED BUILT-IN SELF-TEST (BIST) ARCHITECTURE	8612815	2013-12-17	13/327847	2011-12-16	GLOBALFOUNDRIES Inc.	Granted
IDENTIFICATION OF ILLEGAL DEVICES USING CONTACT MAPPING	8612898	2013-12-17	13/585152	2012-08-14	GLOBALFOUNDRIES Inc.	Granted
USE OF POLARIZATION AND COMPOSITE ILLUMINATION SOURCE FOR ADVANCED OPTICAL LITHOGRAPHY	8612904	2013-12-17	13/682771	2012-11-21	GLOBALFOUNDRIES Inc.	Granted
ESTIMATING POWER CONSUMPTION OF AN ELECTRONIC CIRCUIT	8612911	2013-12-17	13/365961	2012-02-03	GLOBALFOUNDRIES Inc.	Granted
LINER-FREE TUNGSTEN CONTACT	8614107	2013-12-24	13/769402	2013-02-18	GLOBALFOUNDRIES Inc.	Granted
FULLY DEPLETED SILICON ON INSULATOR NEUTRON DETECTOR	8614111	2013-12-24	13/189848	2011-07-25	GLOBALFOUNDRIES Inc.	Granted
GERMANIUM PHOTODETECTOR	8614116	2013-12-24	13/555597	2012-07-24	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PROCESS TO FABRICATE A MEMORY CELL ARRAY WITH A SURROUNDING-GATE ACCESS TRANSISTOR	8614117	2013-12-24	13/369246	2012-02-08	GLOBALFOUNDRIES Inc.	Granted
METHOD OF MANUFACTURING BACK GATE TRIGGERED SILICON CONTROLLED RECTIFIERS	8614121	2013-12-24	13/306488	2011-11-29	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF A CHANNEL SEMICONDUCTOR ALLOY BY FORMING A HARD MASK LAYER STACK AND APPLYING A PLASMA-BASED MASK PATTERNING PROCESS	8614122	2013-12-24	13/238070	2011-09-21	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING A SEMICONDUCTOR DEVICE BY USING SACRIFICIAL GATE ELECTRODES AND SACRIFICIAL SELF-ALIGNED CONTACT STRUCTURES	8614123	2013-12-24	13/305131	2011-11-28	GLOBALFOUNDRIES Inc.	Granted
SHALLOW SOURCE AND DRAIN ARCHITECTURE IN AN ACTIVE REGION OF A SEMICONDUCTOR DEVICE HAVING A PRONOUNCED SURFACE TOPOGRAPHY BY TILTED IMPLANTATION	8614134	2013-12-24	13/052583	2011-03-21	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR FABRICATING JANUS MEMS TRANSISTORS	8614136	2013-12-24	13/665334	2012-10-31	GLOBALFOUNDRIES Inc.	Granted
DUAL CONTACT TRENCH RESISTOR IN SHALLOW TRENCH ISOLATION (STI) AND METHODS OF MANUFACTURE	8614137	2013-12-24	13/025501	2011-02-11	GLOBALFOUNDRIES Inc.	Granted
UTILIZATION OF ORGANIC BUFFER LAYER TO FABRICATE HIGH PERFORMANCE CARBON NANOELECTRONIC DEVICES	8614141	2013-12-24	13/568324	2012-08-07	GLOBALFOUNDRIES Inc.	Granted
MOSEFT WITH A NANOWIRE CHANNEL AND FULLY SILICIDED (FUSI) WRAPPED AROUND GATE	8614434	2013-12-24	13/468281	2012-05-10	GLOBALFOUNDRIES Inc.	Granted
SOLID STATE KLYSTRON	8614436	2013-12-24	13/603110	2012-09-04	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR SUBSTRATES USING BANDGAP MATERIAL BETWEEN III-V CHANNEL MATERIAL AND INSULATOR LAYER	8614447	2013-12-24	13/361004	2012-01-30	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR FABRICATION OF FINFETS	8614485	2013-12-24	12/342655	2008-12-23	GLOBALFOUNDRIES Inc.	Granted
SOLDER BALL CONTACT SUSCEPTIBLE TO LOWER STRESS	8614512	2013-12-24	13/615804	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
ENERGY-EFFICIENT ROW DRIVER FOR PROGRAMMING PHASE CHANGE MEMORY	8614911	2013-12-24	13/335155	2011-12-22	GLOBALFOUNDRIES Inc.	Granted

VOLTAGE DRIVER FOR A VOLTAGE-DRIVEN INTELLIGENT CHARACTERIZATION BENCH FOR SEMICONDUCTOR	8615373	2013-12-24	12/983462	2011-01-06	GLOBALFOUNDRIES Inc.	Granted
CORRECTING ERRORS IN LONGITUDINAL POSITION (LPOS) WORDS	8615689	2013-12-24	13/612396	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
BONDING OF SUBSTRATES INCLUDING METAL-DIELECTRIC PATTERNS WITH METAL RAISED ABOVE DIELECTRIC AND STRUCTURES SO FORMED	8617689	2013-12-31	13/443418	2012-04-10	GLOBALFOUNDRIES Inc.	Granted
POLY-OXYCARBOSILANE COMPOSITIONS FOR USE IN IMPRINT LITHOGRAPHY	8617786	2013-12-31	13/026168	2011-02-11	GLOBALFOUNDRIES Inc.	Granted
FLUORINE-FREE FUSED RING HETEROCAROMATIC PHOTOACID GENERATORS AND RESIST COMPOSITIONS CONTAINING THE SAME	8617791	2013-12-31	13/614561	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
ANNEALING THIN FILMS	8617915	2013-12-31	13/153381	2011-06-03	GLOBALFOUNDRIES Inc.	Granted
DEVICE AND METHOD FOR BORON DIFFUSION IN SEMICONDUCTORS	8617938	2013-12-31	13/013357	2011-01-25	GLOBALFOUNDRIES Inc.	Granted
HIGH-SPEED GRAPHENE TRANSISTOR AND METHOD OF FABRICATION BY PATTERNABLE HARD MASK MATERIALS	8617941	2013-12-31	13/007644	2011-01-16	GLOBALFOUNDRIES Inc.	Granted
POST-GATE ISOLATION AREA FORMATION FOR FIN FIELD EFFECT TRANSISTOR DEVICES	8617961	2013-12-31	13/516599	2012-07-18	GLOBALFOUNDRIES Inc.	Granted
STRAINED SILICON AND STRAINED SILICON GERMANIUM ON INSULATOR METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTORS (MOSFETS)	8617968	2013-12-31	13/523479	2012-06-18	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR SUBSTRATES USING BANDGAP MATERIAL BETWEEN III-V CHANNEL MATERIAL AND INSULATOR LAYER	8617971	2013-12-31	13/604963	2012-09-06	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE FABRICATION METHODS WITH ENHANCED CONTROL IN RECESSING PROCESSES	8617973	2013-12-31	13/247763	2011-09-28	GLOBALFOUNDRIES Inc.	Granted
FIN REMOVAL METHOD	8617996	2013-12-31	13/738435	2013-01-10	GLOBALFOUNDRIES Inc.	Granted
MATERIALS CONTAINING VOIDS WITH VOID SIZE CONTROLLED ON THE NANOMETER SCALE	8618183	2013-12-31	13/602123	2012-09-01	GLOBALFOUNDRIES Inc.	Granted
NANOFLUIDIC FIELD EFFECT TRANSISTOR BASED ON SURFACE CHARGE MODULATED NANOCHANNEL	8618581	2013-12-31	13/365577	2012-02-03	GLOBALFOUNDRIES Inc.	Granted
JUNCTION GATE FIELD EFFECT TRANSISTOR STRUCTURE HAVING N-CHANNEL	8618583	2013-12-31	13/108305	2011-05-16	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES FORMED ON A CONTINUOUS ACTIVE REGION WITH AN ISOLATING CONDUCTIVE STRUCTURE POSITIONED BETWEEN SUCH SEMICONDUCTOR DEVICES, AND METHODS OF MAKING SAME	8618607	2013-12-31	13/539830	2012-07-02	GLOBALFOUNDRIES Inc.	Granted
FINEST STRUCTURES AND METHODS FOR FABRICATING THE SAME	8618616	2013-12-31	13/447019	2012-04-13	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR DEVICE	8618617	2013-12-31	13/783526	2013-03-04	GLOBALFOUNDRIES Inc.	Granted
FIN BIPOLAR TRANSISTORS HAVING SELF-ALIGNED COLLECTOR AND EMITTER REGIONS	8618636	2013-12-31	13/609615	2012-09-11	GLOBALFOUNDRIES Inc.	Granted
8-TRANSISTOR SRAM CELL DESIGN WITH INNER PASS-GATE JUNCTION DIODES	8619465	2013-12-31	13/345629	2012-01-06	GLOBALFOUNDRIES Inc.	Granted
WEAR-FOCUSING OF NON-VOLATILE MEMORIES FOR IMPROVED ENDURANCE	8621328	2013-12-31	13/040482	2011-03-04	GLOBALFOUNDRIES Inc.	Granted
METHODS OF DIRECTED SELF-ASSEMBLY, AND LAYERED STRUCTURES FORMED THEREFROM	8623458	2014-01-07	12/642018	2009-12-18	GLOBALFOUNDRIES Inc.	Granted
FLUORINE-FREE FUSED RING HETEROCAROMATIC PHOTOACID GENERATORS AND RESIST COMPOSITIONS CONTAINING THE SAME	8623584	2014-01-07	13/617847	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
BULK FIN-FIELD EFFECT TRANSISTORS WITH WELL DEFINED ISOLATION	8623712	2014-01-07	13/852428	2013-03-28	GLOBALFOUNDRIES Inc.	Granted

SIDE-GATE DEFINED TUNABLE NANOCONSTRUCTION IN DOUBLE-GATED GRAPHENE MULTILAYERS	8623717	2014-01-07	13/494635	2012-06-12	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING AND STRUCTURE OF A RECESSED SOURCE/RAIN STRAP FOR A MUGGET	8623719	2014-01-07	13/687240	2012-11-28	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING SEMICONDUCTOR DEVICES HAVING CAPACITOR AND VIA CONTACTS	8623735	2014-01-07	13/232075	2011-09-14	GLOBALFOUNDRIES Inc.	Granted
REDUCED STI LOSS FOR SUPERIOR SURFACE PLANARITY OF EMBEDDED STRESSORS IN DENSELY PACKED SEMICONDUCTOR DEVICES	8623742	2014-01-07	13/079341	2011-04-04	GLOBALFOUNDRIES Inc.	Granted
REPAIRING ANOMALOUS STIFF PILLAR BUMPS	8623754	2014-01-07	13/560280	2012-07-27	GLOBALFOUNDRIES Inc.	Granted
SUBTRACTIVE METAL MULTILAYER BARRIER LAYER FOR INTERCONNECT STRUCTURE	8623758	2014-01-07	13/657182	2012-10-22	GLOBALFOUNDRIES Inc.	Granted
HETEROJUNCTION III-V SOLAR CELL PERFORMANCE	8624104	2014-01-07	13/179731	2011-07-11	GLOBALFOUNDRIES Inc.	Granted
SERIAL IRRADIATION OF A SUBSTRATE BY MULTIPLE RADIATION SOURCES	8624204	2014-01-07	13/658861	2012-10-24	GLOBALFOUNDRIES Inc.	Granted
SIDE-GATE DEFINED TUNABLE NANOCONSTRUCTION IN DOUBLE-GATED GRAPHENE MULTILAYERS	8624223	2014-01-07	13/668401	2012-11-05	GLOBALFOUNDRIES Inc.	Granted
FIELD EFFECT TRANSISTOR HAVING AN ASYMMETRIC GATE ELECTRODE	8624315	2014-01-07	13/344955	2012-01-06	GLOBALFOUNDRIES Inc.	Granted
BEOL STRUCTURES INCORPORATING ACTIVE DEVICES AND MECHANICAL STRENGTH	8624323	2014-01-07	13/149797	2011-05-31	GLOBALFOUNDRIES Inc.	Granted
SELF-FORMATION OF HIGH-DENSITY DEFECT-FREE AND ALIGNED NANOSTRUCTURES	8624361	2014-01-07	13/677863	2012-11-15	GLOBALFOUNDRIES Inc.	Granted
REDUNDANCY DESIGN WITH ELECTRO-MIGRATION IMMUNITY AND METHOD OF MANUFACTURE	8624395	2014-01-07	13/400900	2012-02-21	GLOBALFOUNDRIES Inc.	Granted
DISCRETE SAMPLING BASED NONLINEAR CONTROL SYSTEM	8626328	2014-01-07	13/012179	2011-01-24	GLOBALFOUNDRIES Inc.	Granted
FLASH ARRAY BUILT IN SELF-TEST ENGINE WITH TRACE ARRAY AND FLASH METRIC REPORTING	8627158	2014-01-07	13/314657	2011-12-08	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING ENHANCED APERTURE FUNCTION CALIBRATION FOR LOGIC BUILT IN SELF TEST (LBST)	8627162	2014-01-07	13/316620	2011-12-12	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED DESIGN ENVIRONMENT FOR NANOPHOTONICS	8627240	2014-01-07	13/536163	2012-06-28	GLOBALFOUNDRIES Inc.	Granted
DENSITY BALANCING IN MULTIPLE PATTERNING LITHOGRAPHY USING INTEGRATED CIRCUIT LAYOUT FILL	8627245	2014-01-07	13/596140	2012-08-28	GLOBALFOUNDRIES Inc.	Granted
SYSTEMS AND METHODS FOR FIXING PIN MISMATCH IN LAYOUT MIGRATION	8627247	2014-01-07	13/546562	2012-07-11	GLOBALFOUNDRIES Inc.	Granted
GATE CONFIGURATION DETERMINATION AND SELECTION FROM STANDARD CELL LIBRARY	8627263	2014-01-07	13/365989	2012-02-03	GLOBALFOUNDRIES Inc.	Granted
IDENTIFICATION OF LOCALIZABLE FUNCTION CALLS	8627291	2014-01-07	13/437506	2012-04-02	GLOBALFOUNDRIES Inc.	Granted
FLUORINE-FREE FUSED RING HETEROAROMATIC PHOTOACID GENERATORS AND RESIST COMPOSITIONS CONTAINING THE SAME	8628909	2014-01-14	13/617875	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
FLUORINE-FREE FUSED RING HETEROAROMATIC PHOTOACID GENERATORS AND RESIST COMPOSITIONS CONTAINING THE SAME	8628910	2014-01-14	13/617919	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
UNIFORMLY DISTRIBUTED SELF-ASSEMBLED CONE-SHAPED PILLARS FOR HIGH EFFICIENCY SOLAR CELLS	8628996	2014-01-14	13/161163	2011-06-15	GLOBALFOUNDRIES Inc.	Granted
METHOD OF IMPROVING REPLACEMENT METAL GATE FILL	8629007	2014-01-14	13/182544	2011-07-14	GLOBALFOUNDRIES Inc.	Granted
ELECTRICAL ISOLATION STRUCTURES FOR ULTRA-THIN SEMICONDUCTOR-ON-INSULATOR DEVICES	8629008	2014-01-14	13/348018	2012-01-11	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE HIGH-K/METAL GATE MEMORY DEVICE	8629009	2014-01-14	13/433423	2012-03-29	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO FORM EDAM ON SOI SUBSTRATE	8629017	2014-01-14	13/417900	2012-03-12	GLOBALFOUNDRIES Inc.	Granted

METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (MOSFET) GATE TERMINATION	8629028	2014-01-14	13/773881	2013-02-22	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED SEMICONDUCTOR DEVICES WITH AMORPHOUS SILICON BEAM, METHODS OF MANUFACTURE AND DESIGN STRUCTURE	8629036	2014-01-14	13/294615	2011-11-11	GLOBALFOUNDRIES Inc.	Granted
ELECTRICALLY PROGRAMMABLE FUSE USING ANISOMETRIC CONTACTS AND FABRICATION METHOD	8629049	2014-01-14	13/420724	2012-03-15	GLOBALFOUNDRIES Inc.	Granted
STRESS-GENERATING STRUCTURE FOR SEMICONDUCTOR-ON-INSULATOR DEVICES	8629501	2014-01-14	13/370898	2012-02-10	GLOBALFOUNDRIES Inc.	Granted
MOSFET WITH RECESSED CHANNEL FILM AND ABRUPT JUNCTIONS	8629502	2014-01-14	13/606816	2012-09-07	GLOBALFOUNDRIES Inc.	Granted
EXTREMELY THIN SEMICONDUCTOR-ON-INSULATOR (ETSO) INTEGRATED CIRCUIT WITH ON-CHIP RESISTORS AND METHOD OF FORMING THE SAME	8629504	2014-01-14	13/433401	2012-03-29	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT GATE CMOS	8629506	2014-01-14	12/407011	2009-03-19	GLOBALFOUNDRIES Inc.	Granted
MASK FREE PROTECTION OF WORK FUNCTION MATERIAL PORTIONS IN WIDE REPLACEMENT GATE ELECTRODES	8629511	2014-01-14	13/471852	2012-05-15	GLOBALFOUNDRIES Inc.	Granted
MASK FOR FORMING INTEGRATED CIRCUIT	8629535	2014-01-14	13/241810	2011-09-23	GLOBALFOUNDRIES Inc.	Granted
HIGH PERFORMANCE ON-CHIP VERTICAL COAXIAL CABLE, METHOD OF MANUFACTURE AND DESIGN STRUCTURE	8629536	2014-01-14	13/018963	2011-02-01	GLOBALFOUNDRIES Inc.	Granted
APPARATUS AND METHODS FOR PACKAGING INTEGRATED CIRCUIT CHIPS WITH ANTENNAS FORMED FROM PACKAGE LEAD WIRES	8629540	2014-01-14	13/423772	2012-03-19	GLOBALFOUNDRIES Inc.	Granted
3D INTEGRATED CIRCUIT DEVICE FABRICATION WITH PRECISELY CONTROLLABLE SUBSTRATE REMOVAL	8629553	2014-01-14	13/398505	2012-02-16	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES AND METHODS FOR DETECTING SOLDER WETTING OF PEDISTAL SIDEWALLS	8629557	2014-01-14	13/414877	2012-03-08	GLOBALFOUNDRIES Inc.	Granted
PLL BANDWIDTH CORRECTION WITH OFFSET COMPENSATION	8629701	2014-01-14	13/947664	2013-07-22	GLOBALFOUNDRIES Inc.	Granted
DUAL POWER SUPPLY MEMORY ARRAY HAVING A CONTROL CIRCUIT THAT DYNAMICALLY SELECTS A LOWER OF TWO SUPPLY VOLTAGES FOR BITLINE PRE-CHARGE OPERATIONS AND AN ASSOCIATED METHOD	8630139	2014-01-14	13/307245	2011-11-30	GLOBALFOUNDRIES Inc.	Granted
METHOD, SYSTEM AND PROGRAM STORAGE DEVICE FOR MODELING THE CAPACITANCE ASSOCIATED WITH A DIFFUSION REGION OF A SILICON-ON-INSULATOR DEVICE	8631371	2014-01-14	13/171528	2011-06-29	GLOBALFOUNDRIES Inc.	Granted
VIA SELECTION IN INTEGRATED CIRCUIT DESIGN	8631375	2014-01-14	13/443426	2012-04-10	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR GENERATING A PLACEMENT LAYOUT OF A VLSI CIRCUIT DESIGN	8631376	2014-01-14	13/342228	2012-01-03	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING ENHANCED CLOCK TREE DISTRIBUTIONS TO DECOUPLE ACROSS N-LEVEL HIERARCHICAL ENTITIES	8631378	2014-01-14	13/666484	2012-11-01	GLOBALFOUNDRIES Inc.	Granted
HETEROJUNCTION BIPOLAR TRANSISTORS AND METHODS OF MANUFACTURE	8633106	2014-01-21	13/438508	2012-04-03	GLOBALFOUNDRIES Inc.	Granted
SPUTTER AND SURFACE MODIFICATION ETCH PROCESSING FOR METAL PATTERNING IN INTEGRATED CIRCUITS	8633117	2014-01-21	13/671186	2012-11-07	GLOBALFOUNDRIES Inc.	Granted
PIEZOELECTRIC BASED ENERGY SUPPLY USING INDEPENDENT PIEZOELECTRIC COMPONENTS	8633633	2014-01-21	13/570692	2012-08-09	GLOBALFOUNDRIES Inc.	Granted
ANALOG-DIGITAL CONVERTER	8633847	2014-01-21	13/523331	2012-06-14	GLOBALFOUNDRIES Inc.	Granted
GATE DIELECTRIC BREAKDOWN PROTECTION DURING ESD EVENTS	8634174	2014-01-21	13/115492	2011-05-25	GLOBALFOUNDRIES Inc.	Granted
RECEIVER AND INTEGRATED AM-FM/Q DEMODULATORS FOR GIGABIT-RATE DATA DETECTION	8634786	2014-01-21	13/589702	2012-08-20	GLOBALFOUNDRIES Inc.	Granted
DYNAMICALLY TUNE POWER PROXY ARCHITECTURES	8635483	2014-01-21	13/079842	2011-04-05	GLOBALFOUNDRIES Inc.	Granted

SYSTEM AND METHOD TO IMPROVE CHIP YIELD, RELIABILITY AND PERFORMANCE	8635575	2014-01-21	13/471627	2012-05-15	GLOBALFOUNDRIES Inc.	Granted
NAVIGATING ANALYTICAL TOOLS USING LAYOUT SOFTWARE	8635582	2014-01-21	13/611776	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
APPARATUS FOR THERMAL CHARACTERIZATION UNDER NON-UNIFORM HEAT LOAD	8636406	2014-01-28	13/445641	2012-04-12	GLOBALFOUNDRIES Inc.	Granted
VACUUM EXTRUSION METHOD OF MANUFACTURING A THERMAL PASTE	8636931	2014-01-28	11/750559	2007-05-18	GLOBALFOUNDRIES Inc.	Granted
PHOTONIC MODULATOR WITH A SEMICONDUCTOR CONTACT	8637335	2014-01-28	13/586187	2012-08-15	GLOBALFOUNDRIES Inc.	Granted
FIELD-EFFECT-TRANSISTOR WITH SELF-ALIGNED DIFFUSION CONTACT	8637358	2014-01-28	13/542003	2012-07-05	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR NANOSTRUCTURES, SEMICONDUCTOR DEVICES, AND METHODS OF MAKING SAME	8637361	2014-01-28	13/041740	2011-03-07	GLOBALFOUNDRIES Inc.	Granted
SPACER ISOLATION IN DEEP TRENCH	8637365	2014-01-28	13/489572	2012-06-06	GLOBALFOUNDRIES Inc.	Granted
NON-PLANAR MOSFET STRUCTURES WITH ASYMMETRIC REGRESSED SOURCE DRAINS AND METHODS FOR MAKING THE SAME	8637371	2014-01-28	13/398339	2012-02-16	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING A FINNET INTEGRATED CIRCUIT ON A BULK SILICON SUBSTRATE	8637372	2014-01-28	13/172635	2011-06-29	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING SELF-ALIGNED NANOTUBE FIELD EFFECT TRANSISTOR	8637374	2014-01-28	13/368901	2012-02-08	GLOBALFOUNDRIES Inc.	Granted
FINNET PARASITIC CAPACITANCE REDUCTION USING AIR GAP	8637384	2014-01-28	13/617426	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HEAT DISSIPATION STRUCTURE	8637388	2014-01-28	13/742508	2013-01-16	GLOBALFOUNDRIES Inc.	Granted
LOCALLY TAILORING CHEMICAL MECHANICAL POLISHING (CMP) POLISH RATE FOR DIELECTRICS	8637403	2014-01-28	13/323093	2011-12-12	GLOBALFOUNDRIES Inc.	Granted
PROCESS TO FORM AN ADHESION LAYER AND MULTIPHASE ULTRA-LOW K DIELECTRIC MATERIAL USING PECVD	8637412	2014-01-28	13/214157	2011-08-19	GLOBALFOUNDRIES Inc.	Granted
STABILIZATION OF VINYL ETHER MATERIALS	8637602	2014-01-28	12/335575	2008-12-16	GLOBALFOUNDRIES Inc.	Granted
VERTICAL NANOWIRE FET DEVICES	8637849	2014-01-28	12/984653	2011-01-05	GLOBALFOUNDRIES Inc.	Granted
ELECTROSTATIC DISCHARGE (ESD) SILICON CONTROLLED RECTIFIER (SCR) STRUCTURE	8637900	2014-01-28	13/686422	2012-11-27	GLOBALFOUNDRIES Inc.	Granted
FINNET PARASITIC CAPACITANCE REDUCTION USING AIR GAP	8637930	2014-01-28	13/272409	2011-10-13	GLOBALFOUNDRIES Inc.	Granted
FINNET WITH MERGED FINS AND VERTICAL SILICIDE	8637931	2014-01-28	13/337874	2011-12-27	GLOBALFOUNDRIES Inc.	Granted
VARIABLE SCALE MEMBRANE FOR THREE-DIMENSIONAL INTEGRATED CIRCUIT DEVICE FABRICATION	8637953	2014-01-28	12/172452	2008-07-14	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD FOR FORMING ISOLATION AND BURIED PLATE FOR TRENCH CAPACITOR	8637958	2014-01-28	13/617576	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
3D INTEGRATED CIRCUIT SYSTEM WITH CONNECTING VIA STRUCTURE AND METHOD FOR FORMING THE SAME	8637993	2014-01-28	13/453043	2012-04-23	GLOBALFOUNDRIES Inc.	Granted
PROGRAMMABLE GATE ARRAY AS DRIVERS FOR DATA PORTS OF SPARE LATCHES	8638120	2014-01-28	13/246037	2011-09-27	GLOBALFOUNDRIES Inc.	Granted
EQUALIZED RISE AND FALL SLEW RATES FOR A BUFFER	8638149	2014-01-28	13/567214	2012-08-06	GLOBALFOUNDRIES Inc.	Granted
LOW ENERGY ELECTROMAGNETIC RELAY	8638538	2014-01-28	13/012147	2011-01-24	GLOBALFOUNDRIES Inc.	Granted
DOMAIN WALL MOTION IN PERPENDICULARLY MAGNETIZED WIRES HAVING MAGNETIC MULTILAYERS WITH ENGINEERED INTERFACES	8638601	2014-01-28	13/543061	2012-07-06	GLOBALFOUNDRIES Inc.	Granted
SOFT ERROR RATE DETECTOR	8639992	2014-01-28	13/108721	2011-05-16	GLOBALFOUNDRIES Inc.	Granted
RAPID ESTIMATION OF TEMPERATURE RISE IN WIRES DUE TO JOULE HEATING	8640062	2014-01-28	13/157980	2011-06-10	GLOBALFOUNDRIES Inc.	Granted
CIRCUIT VERIFICATION USING COMPUTATIONAL ALGEBRAIC GEOMETRY	8640065	2014-01-28	13/360083	2012-01-27	GLOBALFOUNDRIES Inc.	Granted
CAPTURING MUTUAL COUPLING EFFECTS BETWEEN AN INTEGRATED CIRCUIT CHIP AND CHIP PACKAGE	8640077	2014-01-28	13/561760	2012-07-30	GLOBALFOUNDRIES Inc.	Granted

NANOPORE BASED DEVICE FOR CUTTING LONG DNA MOLECULES INTO FRAGMENTS	8641877	2014-02-04	13/570470	2012-08-09	GLOBALFOUNDRIES Inc.	Granted
CHARGED ENTITIES AS LOCOMOTIVE TO CONTROL MOTION OF POLYMERS THROUGH A NANOCHANNEL	8641879	2014-02-04	13/611662	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
FIELD-EFFECT INTER-DIGITATED BACK CONTACT PHOTOVOLTAIC DEVICE	8642378	2014-02-04	13/718748	2012-12-18	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT CONTACTS FOR ALL-AROUND CONTACTS	8642403	2014-02-04	13/547142	2012-07-12	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING ISOLATION STRUCTURES FOR SEMICONDUCTOR DEVICES	8642419	2014-02-04	13/400407	2012-02-20	GLOBALFOUNDRIES Inc.	Granted
FABRICATION OF A SEMICONDUCTOR DEVICE WITH EXTENDED EPITAXIAL SEMICONDUCTOR REGIONS	8642420	2014-02-04	13/219331	2011-08-26	GLOBALFOUNDRIES Inc.	Granted
POLYSILICONMETAL CONTACT RESISTANCE IN DEEP TRENCH	8642423	2014-02-04	13/307874	2011-11-30	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT METAL GATE STRUCTURE AND METHODS OF MANUFACTURE	8642424	2014-02-04	13/180842	2011-07-12	GLOBALFOUNDRIES Inc.	Granted
PROCESSES FOR PREPARING STRESSED SEMICONDUCTOR WAFERS AND FOR PREPARING DEVICES INCLUDING THE STRESSED SEMICONDUCTOR WAFERS	8642430	2014-02-04	13/442683	2012-04-09	GLOBALFOUNDRIES Inc.	Granted
N-DOPANT FOR CARBON NANOTUBES AND GRAPHENE	8642432	2014-02-04	13/308974	2011-12-01	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR-ON-INSULATOR DEVICE WITH ASYMMETRIC STRUCTURE	8642452	2014-02-04	13/012137	2011-01-24	GLOBALFOUNDRIES Inc.	Granted
SCHOTTKY BARRIER DIODE AND METHOD OF FORMING A SCHOTTKY BARRIER DIODE	8642453	2014-02-04	13/679357	2012-11-16	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT SYSTEM WITH REDUCED POLYSILICON RESIDUE AND METHOD OF MANUFACTURE THEREOF	8642475	2014-02-04	12/975327	2010-12-21	GLOBALFOUNDRIES Inc. & GLOBALFOUNDRIES Singapore Pte. Ltd.	Granted
SURFACE MODIFIED NANOPARTICLES, METHODS OF THEIR PREPARATION, AND USES THEREOF FOR GENE AND DRUG DELIVERY	8642787	2014-02-04	13/488940	2012-06-05	GLOBALFOUNDRIES Inc.	Granted
HEAT TREATMENT PROCESS AND PHOTOVOLTAIC DEVICE BASED ON SAID PROCESS	8642884	2014-02-04	13/228983	2011-09-09	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE NANORIBBONS AND CARBON NANOTUBES FABRICATED FROM SiC FILMS OR NANOWIRE TEMPLATES	8642996	2014-02-04	13/088766	2011-04-18	GLOBALFOUNDRIES Inc.	Granted
ARRAY OF QUANTUM SYSTEMS IN A CAVITY FOR QUANTUM COMPUTING	8642998	2014-02-04	13/224765	2011-09-02	GLOBALFOUNDRIES Inc.	Granted
FINFET WITH FULLY SILICIDED GATE	8643120	2014-02-04	13/345233	2012-01-06	GLOBALFOUNDRIES Inc.	Granted
SILICIDE CONTACTS HAVING DIFFERENT SHAPES ON REGIONS OF A SEMICONDUCTOR DEVICE	8643122	2014-02-04	13/707058	2012-12-06	GLOBALFOUNDRIES Inc.	Granted
CORROSION SENSORS	8643390	2014-02-04	13/760391	2013-02-06	GLOBALFOUNDRIES Inc.	Granted
ON-CHIP MILLIMETER WAVE LANGMUELLER COUPLER	8643431	2014-02-04	13/277265	2011-10-20	GLOBALFOUNDRIES Inc.	Granted
CURRENT LEAKAGE IN RCESD CLAMPS	8643987	2014-02-04	13/464131	2012-05-04	GLOBALFOUNDRIES Inc.	Granted
ANALYZING ANTICIPATED VALUE AND EFFORT IN USING CLOUD COMPUTING TO PROCESS A SPECIFIED WORKLOAD	8645455	2014-02-04	13/474304	2012-05-17	GLOBALFOUNDRIES Inc.	Granted
NOISE COUPLING REDUCTION AND IMPEDANCE DISCONTINUITY CONTROL IN HIGH-SPEED CERAMIC MODULES	8645889	2014-02-04	13/449732	2012-04-18	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND DESIGN STRUCTURE FOR HIGH-Q VALUE INDUCTOR AND METHOD OF MANUFACTURING THE SAME	8645898	2014-02-04	13/535412	2012-06-28	GLOBALFOUNDRIES Inc.	Granted
PROCESS FOR CLEANING SEMICONDUCTOR DEVICES AND/OR TOOLING DURING MANUFACTURING THEREOF	8647445	2014-02-11	13/669651	2012-11-06	GLOBALFOUNDRIES Inc.	Granted
CONDUCTIVE METAL AND DIFFUSION BARRIER SEED COMPOSITIONS, AND METHODS OF USE IN SEMICONDUCTOR AND INTERLEVELED DIELECTRIC SUBSTRATES	8647535	2014-02-11	12/986266	2011-01-07	GLOBALFOUNDRIES Inc.	Granted

METHOD FOR POST DECOMPOSITION DENSITY BALANCING IN INTEGRATED CIRCUIT LAYOUTS, RELATED SYSTEM AND PROGRAM PRODUCT	864793	2014-02-11	13/596126	2012-08-28	GLOBALFOUNDRIES Inc.	Granted
JUNCTION FIELD EFFECT TRANSISTOR WITH AN EPITAXIALLY GROWN GATE STRUCTURE	8647936	2014-02-11	13/772881	2013-02-21	GLOBALFOUNDRIES Inc.	Granted
SRAM INTEGRATED CIRCUITS WITH BURIED SADDLE-SHAPED FINFET AND METHODS FOR THEIR FABRICATION	8647938	2014-02-11	13/571190	2012-08-09	GLOBALFOUNDRIES Inc.	Granted
IMPLANTATION OF HYDROGEN TO IMPROVE GATE INSULATION LAYER-SUBSTRATE INTERFACE	8647951	2014-02-11	13/216862	2011-08-24	GLOBALFOUNDRIES Inc.	Granted
ENCAPSULATION OF CLOSELY SPACED GATE ELECTRODE STRUCTURES	8647952	2014-02-11	12/974037	2010-12-21	GLOBALFOUNDRIES Inc.	Granted
USE OF GRAPHENE TO LIMIT COPPER SURFACE OXIDATION, DIFFUSION AND ELECTROMIGRATION IN INTERCONNECT STRUCTURES	8647978	2014-02-11	13/551962	2012-07-18	GLOBALFOUNDRIES Inc.	Granted
NANOWIRE FIELD EFFECT TRANSISTORS	8648330	2014-02-11	13/343799	2012-01-05	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR GROWING CONFORMAL EPI LAYERS AND STRUCTURE THEREOF	8648394	2014-02-11	13/777402	2013-02-26	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO FORM PASSIVE DEVICES IN ETSOI PROCESS FLOW	8648438	2014-02-11	13/251660	2011-10-03	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR INTERCONNECT STRUCTURE HAVING ENHANCED PERFORMANCE AND RELIABILITY	8648465	2014-02-11	13/246904	2011-09-28	GLOBALFOUNDRIES Inc.	Granted
INPUT JITTER FILTER FOR A PHASE-LOCKED LOOP (PLL)	8648634	2014-02-11	13/468268	2012-05-10	GLOBALFOUNDRIES Inc.	Granted
DETERMINING CURRENT OF A FIRST SET OF BODY CONNECTED FETS	8648647	2014-02-11	13/922854	2013-06-20	GLOBALFOUNDRIES Inc.	Granted
TAPERED VIA AND MIN CAPACITOR	8649153	2014-02-11	13/096850	2011-04-28	GLOBALFOUNDRIES Inc.	Granted
MULTI-BANK RANDOM ACCESS MEMORY STRUCTURE WITH GLOBAL AND LOCAL SIGNAL BUFFERING FOR IMPROVED PERFORMANCE	8649239	2014-02-11	13/479448	2012-05-24	GLOBALFOUNDRIES Inc.	Granted
ELASTIC MODULUS MAPPING OF AN INTEGRATED CIRCUIT CHIP IN A CHIP/DEVICE PACKAGE	8650512	2014-02-11	13/677373	2012-11-15	GLOBALFOUNDRIES Inc.	Granted
SUB-CIRCUIT MODELS WITH CORNER INSTANCES FOR VLSI DESIGNS	8650523	2014-02-11	13/471736	2012-05-15	GLOBALFOUNDRIES Inc.	Granted
ENABLING ACCESS TO A SUBSET OF DATA	8650634	2014-02-11	12/353329	2009-01-14	GLOBALFOUNDRIES Inc.	Granted
METALLURGICAL CLAMHELL METHODS FOR MICRO LAND GRID ARRAY FABRICATION	8651877	2014-02-18	13/588585	2012-08-17	GLOBALFOUNDRIES Inc.	Granted
SELF-FORMED NANOMETER CHANNEL AT WAFER SCALE	8652337	2014-02-18	13/971468	2013-08-20	GLOBALFOUNDRIES Inc.	Granted
FABRICATE SELF-FORMED NANOMETER PORE ARRAY AT WAFER SCALE FOR DNA SEQUENCING	8652340	2014-02-18	13/490618	2012-06-07	GLOBALFOUNDRIES Inc.	Granted
PHOTOACID GENERATORS FOR EXTREME ULTRAVIOLET LITHOGRAPHY	8652712	2014-02-18	13/021558	2011-02-25	GLOBALFOUNDRIES Inc.	Granted
ORGANIC GRADED SPIN ON BARC COMPOSITIONS FOR HIGH NA LITHOGRAPHY	8652762	2014-02-18	13/423838	2012-03-19	GLOBALFOUNDRIES Inc.	Granted
SOI DEVICE WITH DTI AND SH	8652888	2014-02-18	13/924851	2013-06-24	GLOBALFOUNDRIES Inc.	Granted
FIN-TRANSISTOR FORMED ON A PATTERNED STI REGION BY LATE FIN ETCH	8652889	2014-02-18	13/372837	2012-02-14	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING INTEGRATED CIRCUITS WITH NARROW, METAL FILLED OPENINGS	8652890	2014-02-18	13/408291	2012-02-29	GLOBALFOUNDRIES Inc.	Granted
IMPLANT DAMAGE CONTROL BY IN-SITU C DOPING DURING SIGE EPITAXY FOR DEVICE APPLICATIONS	8652892	2014-02-18	13/113107	2011-05-23	GLOBALFOUNDRIES Inc. & GLOBALFOUNDRIES Singapore Pte. Ltd.	Granted
SINGLE-MASK SPACER TECHNIQUE FOR SEMICONDUCTOR DEVICE FEATURES	8652901	2014-02-18	13/783388	2013-03-03	GLOBALFOUNDRIES Inc.	Granted
SUPERIOR STABILITY OF CHARACTERISTICS OF TRANSISTORS HAVING AN EARLY FORMED HIGH-K METAL GATE	8652917	2014-02-18	13/478519	2012-05-23	GLOBALFOUNDRIES Inc.	Granted

COMPACT THERMALLY CONTROLLED THIN FILM RESISTORS UTILIZING SUBSTRATE CONTACTS AND METHODS OF MANUFACTURE	8652922	2014-02-18	13/008459	2011-01-18	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES HAVING FIN STRUCTURES, AND METHODS OF FORMING SEMICONDUCTOR DEVICES HAVING FIN STRUCTURES	8652932	2014-02-18	13/448749	2012-04-17	GLOBALFOUNDRIES Inc.	Granted
C-RICH CARBON BORON NITRIDE DIELECTRIC FILMS FOR USE IN ELECTRONIC DEVICES	8652950	2014-02-18	13/775958	2013-02-25	GLOBALFOUNDRIES Inc.	Granted
HIGH-K METAL GATE ELECTRODE STRUCTURES FORMED BY SEPARATE REMOVAL OF PLACEHOLDER MATERIALS USING A MASKING REGIME PRIOR TO GATE PATTERNING	8652956	2014-02-18	13/533807	2012-06-26	GLOBALFOUNDRIES Inc.	Granted
MOSFET INTEGRATED CIRCUIT WITH UNIFORMLY THIN SILICIDE LAYER AND METHODS FOR ITS MANUFACTURE	8652963	2014-02-18	13/237732	2011-09-20	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT INCLUDING DRAM AND SRAM/LOGIC SOLUTIONS FOR CONTROLLING BULK BIAS VOLTAGE IN AN EXTREMELY THIN SILICON-ON-INSULATOR (ETSO) INTEGRATED CIRCUIT CHIP	8653966 8653997	2014-02-18 2014-02-18	13/344885 13/739222	2012-01-06 2013-01-11	GLOBALFOUNDRIES Inc. GLOBALFOUNDRIES Inc.	Granted Granted
STRAINED SIGE NANOWIRE HAVING (111)-ORIENTED SIDEWALLS	8653599	2014-02-18	13/679222	2012-11-16	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE COMPRISING METAL-BASED BRUSHES OF ENHANCED PROGRAMMING EFFICIENCY BY ENHANCING METAL AGGLOMERATION AND/OR VOIDING	8653624	2014-02-18	13/952792	2013-07-29	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE FOR MONITORING STRESS INDUCED FAILURES IN INTERLEVEL DIELECTRIC LAYERS OF SOLDER BUMPS INTEGRATED CIRCUITS	8653662	2014-02-18	13/461912	2012-05-02	GLOBALFOUNDRIES Inc.	Granted
V/DIFF MAX LIMITER IN SRAMS FOR IMPROVED YIELD AND POWER	8654594	2014-02-18	13/403252	2012-02-23	GLOBALFOUNDRIES Inc.	Granted
COMPUTER SYSTEM COMPRISING A SECURE BOOT MECHANISM	8656146	2014-02-18	12/186821	2008-08-06	GLOBALFOUNDRIES Inc.	Granted
FIN DESIGN LEVEL MASK DECOMPOSITION FOR DIRECTED SELF ASSEMBLY	8656322	2014-02-18	13/744606	2013-01-18	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT DESIGN METHOD AND SYSTEM	8656325	2014-02-18	13/348850	2012-01-12	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZATION METHOD AND DEVICE FOR NETLIST USED IN LOGIC CIRCUIT DESIGN FOR SEMICONDUCTOR INTEGRATED CIRCUIT	8656337	2014-02-18	13/939527	2013-07-11	GLOBALFOUNDRIES Inc.	Granted
ROBOTIC DEVICE FOR SUBSTRATE TRANSFER APPLICATIONS	8657352	2014-02-25	13/084435	2011-04-11	GLOBALFOUNDRIES Inc.	Granted
METHOD TO TRANSFER LITHOGRAPHIC PATTERNS INTO INORGANIC SUBSTRATES	8658050	2014-02-25	13/191985	2011-07-27	GLOBALFOUNDRIES Inc.	Granted
FLUORINE-FREE FUSED RING HETEROCAROMATIC PHOTOACID GENERATORS AND RESIST COMPOSITIONS CONTAINING THE SAME	8658345	2014-02-25	13/614456	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
HYDROGEN BARRIER LINER FOR FERRO-ELECTRIC RANDOM ACCESS MEMORY (GRAM) CHIP	8658435	2014-02-25	13/748038	2013-01-23	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR ACTIVE MATRIX ON BURIED INSULATOR	8658444	2014-02-25	13/472584	2012-05-16	GLOBALFOUNDRIES Inc.	Granted
MICRO-ELECTRO-MECHANICAL SYSTEM TILTABLE LENS	8658456	2014-02-25	13/842564	2013-03-15	GLOBALFOUNDRIES Inc.	Granted
SELF ALIGNED CARBIDE SOURCE/DRAIN FEET	8658461	2014-02-25	13/566050	2012-08-03	GLOBALFOUNDRIES Inc.	Granted
FORMING FACET-LESS EPITAXY WITH A CUT MASK	8658486	2014-02-25	13/478411	2012-05-23	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING SEMICONDUCTOR CHIP WITH GRAPHENE BASED DEVICES IN AN INTERCONNECT STRUCTURE OF THE CHIP	8658488	2014-02-25	13/826874	2013-03-14	GLOBALFOUNDRIES Inc.	Granted
PASSIVATING POINT DEFECTS IN HIGH-K GATE DIELECTRIC LAYERS DURING GATE STACK FORMATION	8658490	2014-02-25	13/439016	2012-04-04	GLOBALFOUNDRIES Inc.	Granted

SINGLE MASK SPACER TECHNIQUE FOR SEMICONDUCTOR DEVICE FEATURES	8658498	2014-02-25	13/969629	2013-08-19	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR METAL GATE WORK FUNCTION ENGINEERING TO ENABLE MULTIPLE THRESHOLD VOLTAGE NANOWIRE FET DEVICES	8658518	2014-02-25	13/588724	2012-08-17	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FABRICATING AN EPITAXIAL Ni SILICIDE FILM	8658530	2014-02-25	13/612240	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZED ANNULAR COPPER TSV	8658535	2014-02-25	13/890322	2013-05-09	GLOBALFOUNDRIES Inc.	Granted
SELECTIVE FIN CUT PROCESS	8658536	2014-02-25	13/603725	2012-09-05	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR METAL GATE WORK FUNCTION ENGINEERING TO ENABLE MULTIPLE THRESHOLD VOLTAGE NANOWIRE FET DEVICES	8659006	2014-02-25	13/597802	2012-08-29	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT WITH A THIN BODY FIELD EFFECT TRANSISTOR AND CAPACITOR	8659066	2014-02-25	13/345266	2012-01-06	GLOBALFOUNDRIES Inc.	Granted
ENHANCEMENT OF CHARGE CARRIER MOBILITY IN TRANSISTORS	8659083	2014-02-25	13/610456	2012-09-11	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR GATE WORKFUNCTION ENGINEERING TO REDUCE SHORT CHANNEL EFFECTS IN PLANAR CMOS DEVICES	8659084	2014-02-25	13/617283	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
SINGLE-JUNCTION PHOTOVOLTAIC CELL	8659110	2014-02-25	13/780454	2013-02-28	GLOBALFOUNDRIES Inc.	Granted
AIRGAP-CONTAINING INTERCONNECT STRUCTURE WITH IMPROVED PATTERNABLE LOW-K MATERIAL AND METHOD OF FABRICATING	8659115	2014-02-25	12/486342	2009-06-17	GLOBALFOUNDRIES Inc.	Granted
STRESS TESTING OF SILICON-ON-INSULATOR SUBSTRATES USING APPLIED ELECTROSTATIC DISCHARGE	8659300	2014-02-25	12/968864	2010-12-15	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT STACK	8659898	2014-02-25	13/568720	2012-08-07	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING LOW POWER WRITE DISABLED LOCAL EVALUATION FOR SRAM	8659937	2014-02-25	13/368918	2012-02-08	GLOBALFOUNDRIES Inc.	Granted
ADVANCED MEMORY DEVICE HAVING IMPROVED PERFORMANCE, REDUCED POWER AND INCREASED RELIABILITY	8659959	2014-02-25	13/567353	2012-08-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR EXCURSION MONITORING IN OPTICAL LITHOGRAPHY PROCESSES IN MICRO DEVICE FABRICATION	8660681	2014-02-25	13/006522	2011-01-14	GLOBALFOUNDRIES Inc.	Granted
MODEL-DRIVEN ASSIGNMENT OF WORK TO A SOFTWARE FACTORY	8660878	2014-02-25	13/160734	2011-06-15	GLOBALFOUNDRIES Inc.	Granted
OPTIMIZATION OF A MANUFACTURING PROCESS OF AN INTEGRATED CIRCUIT LAYOUT	8661370	2014-02-25	13/594198	2012-08-24	GLOBALFOUNDRIES Inc.	Granted
SPARE CELL INSERTION BASED ON REACHABLE STATE ANALYSIS	8661391	2014-02-25	13/732989	2013-01-02	GLOBALFOUNDRIES Inc.	Granted
BUILT-IN-SELF-TEST (BIST) ORGANIZATIONAL FILE GENERATION	8661399	2014-02-25	13/567127	2012-08-06	GLOBALFOUNDRIES Inc.	Granted
FLUORINE-FREE FUSED RING HETEROCAROMATIC PHOTOCID GENERATORS AND RESIST COMPOSITIONS CONTAINING THE SAME	8663901	2014-03-04	13/614531	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
SUBSTRATE Dicing TECHNIQUE FOR SEPARATING SEMICONDUCTOR DIES WITH REDUCED AREA CONSUMPTION	8664025	2014-03-04	13/187076	2011-07-20	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD TO IMPROVE ETSOI MOSFETS WITH BACK GATE	8664050	2014-03-04	13/424447	2012-03-20	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR WITH EMBEDDED STRAIN-INDUCING MATERIAL FORMED IN DIAMOND-SHAPED CAVITIES BASED ON A PRE-MORPHIZATION	8664056	2014-03-04	13/113698	2011-05-23	GLOBALFOUNDRIES Inc.	Granted
HIGH-K METAL GATE ELECTRODE STRUCTURES FORMED BY EARLY CAP LAYER ADAPTATION	8664057	2014-03-04	13/565970	2012-08-03	GLOBALFOUNDRIES Inc.	Granted

SEMICONDUCTOR DEVICE HAVING SILICON ON STRESSED LAYER (SOI)	8664058	2014-03-04	13/765830	2013-02-13	GLOBALFOUNDRIES Inc.	Granted
NON-VOLATILE MEMORY DEVICE FORMED BY DUAL FLOATING GATE DEPOSIT	8664059	2014-03-04	13/456456	2012-04-26	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF A CHANNEL SEMICONDUCTOR ALLOY BY FORMING A NITRIDE BASED HARD MASK LAYER	8664066	2014-03-04	13/552722	2012-07-19	GLOBALFOUNDRIES Inc.	Granted
LOW-DIFFUSION DRAIN AND SOURCE REGIONS IN CMOS TRANSISTORS FOR LOW POWER/HIGH PERFORMANCE APPLICATIONS	8664068	2014-03-04	13/192620	2011-07-28	GLOBALFOUNDRIES Inc.	Granted
SOURCE AND DRAIN ARCHITECTURE IN AN ACTIVE REGION OF A P-CHANNEL TRANSISTOR BY TILTED IMPLANTATION	8664072	2014-03-04	13/483759	2012-05-30	GLOBALFOUNDRIES Inc.	Granted
HIGH CAPACITANCE TRENCH CAPACITOR	8664075	2014-03-04	13/788980	2013-03-07	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FABRICATING 3D INTEGRATED CIRCUIT DEVICE USING INTERFACE WAFER AS PERMANENT CARRIER	8664081	2014-03-04	13/572037	2012-08-10	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING A SILICON SEED LAYER AND LAYERS OF SILICON AND SILICON-CONTAINING MATERIAL THEREFROM	8664093	2014-03-04	13/476552	2012-05-21	GLOBALFOUNDRIES Inc.	Granted
METAL GATE STACK FORMATION FOR REPLACEMENT GATE TECHNOLOGY	8664103	2014-03-04	13/154578	2011-06-07	GLOBALFOUNDRIES Inc.	Granted
ADVANCED LOW K CAP FILM FORMATION PROCESS FOR NANO ELECTRONIC DEVICES	8664109	2014-03-04	13/444415	2012-04-11	GLOBALFOUNDRIES Inc.	Granted
COPPER INTERCONNECT WITH METAL HARDMASK REMOVAL	8664115	2014-03-04	13/158114	2011-06-10	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH AN OVERSIZED LOCAL CONTACT AS A FARADAY SHIELD	8664177	2014-03-04	13/346164	2012-01-09	GLOBALFOUNDRIES Inc.	Granted
FEI WITH FUSI GATE AND REDUCED SOURCE/DRAIN CONTACT RESISTANCE	8664721	2014-03-04	13/569741	2012-08-08	GLOBALFOUNDRIES Inc.	Granted
SOLAR MODULE WITH OVERHEAT PROTECTION	8665575	2014-03-04	13/166842	2011-06-23	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR DIRECTED SELF-ASSEMBLY PROCESS/PROXIMITY CORRECTION	8667428	2014-03-04	13/659453	2012-10-24	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR DIRECTED SELF-ASSEMBLY PROCESS/PROXIMITY CORRECTION	8667430	2014-03-04	13/774822	2013-02-22	GLOBALFOUNDRIES Inc.	Granted
TEST COVERAGE OF INTEGRATED CIRCUITS WITH MASKING PATTERN SELECTION	8667431	2014-03-04	13/785109	2013-03-05	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED CIRCUIT HAVING LOCAL MAXIMUM OPERATING VOLTAGE	8667448	2014-03-04	13/688595	2012-11-29	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR STRAINED FINFET DEVICES	8669145	2014-03-11	10/710272	2004-06-30	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURES WITH THINNED JUNCTIONS AND METHODS OF MANUFACTURE	8669146	2014-03-11	13/005560	2011-01-13	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING HIGH MOBILITY FIN CHANNELS ON THREE DIMENSIONAL SEMICONDUCTOR DEVICES	8669147	2014-03-11	13/493021	2012-06-11	GLOBALFOUNDRIES Inc.	Granted
METHODS OF THINNING AND/OR DICING SEMICONDUCTING SUBSTRATES HAVING INTEGRATED CIRCUIT PRODUCTS FORMED THEREON	8669166	2014-03-11	13/585974	2012-08-15	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR METAL GATE WORKFUNCTION ENGINEERING TO ENABLE MULTIPLE THRESHOLD VOLTAGE FINFET DEVICES	8669167	2014-03-11	13/596687	2012-08-28	GLOBALFOUNDRIES Inc.	Granted
METHODS OF REDUCING GATE LEAKAGE	8669170	2014-03-11	13/350891	2012-01-16	GLOBALFOUNDRIES Inc.	Granted
BEOL INTEGRATION SCHEME FOR COPPER CMP TO PREVENT DENDRITE FORMATION	8669176	2014-03-11	13/596198	2012-08-28	GLOBALFOUNDRIES Inc.	Granted
METAL CAP WITH ULTRA-LOW KAPPA DIELECTRIC MATERIAL FOR CIRCUIT INTERCONNECT APPLICATIONS	8669182	2014-03-11	13/398070	2012-02-16	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING SRAM DEVICES USING SIDEWALL IMAGE TRANSFER TECHNIQUES	8669186	2014-03-11	13/359197	2012-01-26	GLOBALFOUNDRIES Inc.	Granted

GRID-LINE-FREE CONTACT FOR A PHOTOVOLTAIC CELL	8669466	2014-03-11	13/364171	2012-02-01	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR METAL GATE WORKFUNCTION ENGINEERING TO ENABLE MULTIPLE THRESHOLD VOLTAGE FINFET DEVICES	8669615	2014-03-11	13/611257	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
SIDEWALL IMAGE TRANSFER PROCESS WITH MULTIPLE CRITICAL DIMENSIONS	8673165	2014-03-18	13/267198	2011-10-06	GLOBALFOUNDRIES Inc.	Granted
TEST STRUCTURE FOR CONTROLLING THE INCORPORATION OF SEMICONDUCTOR ALLOYS IN TRANSISTORS COMPRISING HIGH-K METAL GATE ELECTRODE STRUCTURES	8673668	2014-03-18	12/965341	2010-12-10	GLOBALFOUNDRIES Inc.	Granted
SOI SEMICONDUCTOR DEVICE COMPRISING A SUBSTRATE DIODE WITH REDUCED METAL SILICIDE LEAKAGE	8673696	2014-03-18	13/397345	2012-02-15	GLOBALFOUNDRIES Inc.	Granted
GENERATION OF MULTIPLE DIAMETER NANOWIRE FIELD EFFECT TRANSISTORS	8673698	2014-03-18	13/610223	2012-09-11	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE HAVING NEET EXTENSION LAST IMPLANTS	8673699	2014-03-18	13/551054	2012-07-17	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT GATE ETISOI WITH SHARP JUNCTION	8673708	2014-03-18	13/611044	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF A CHANNEL SEMICONDUCTOR ALLOY BY A NITRIDE HARD MASK LAYER AND AN OXIDE MASK	8673710	2014-03-18	13/197387	2011-08-03	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED PROCESS TO FABRICATE A MEMORY CELL ARRAY WITH A SURROUNDING-GATE ACCESS TRANSISTOR	8673717	2014-03-18	13/551776	2012-07-18	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING FINFET DEVICES WITH ALTERNATIVE CHANNEL MATERIALS	8673718	2014-03-18	13/544259	2012-07-09	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING ISOLATION REGIONS FOR FINFET SEMICONDUCTOR DEVICES	8673723	2014-03-18	13/761610	2013-02-07	GLOBALFOUNDRIES Inc.	Granted
TRANSISTOR STRUCTURE WITH A SIDEWALL-DEFINED INTRINSIC BASE TO EXTRINSIC BASE LINK-UP REGION AND METHOD OF FORMING THE TRANSISTOR	8673726	2014-03-18	13/762445	2013-02-08	GLOBALFOUNDRIES Inc.	Granted
COMPLEMENTARY STRESS LINER TO IMPROVE DGOAVT DEVICES AND POLY AND DIFFUSION RESISTORS	8673728	2014-03-18	13/667657	2012-11-02	GLOBALFOUNDRIES Inc.	Granted
FINFET EDAM STRAP CONNECTION STRUCTURE	8673729	2014-03-18	13/705477	2012-12-05	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR GATE WORKFUNCTION ENGINEERING TO REDUCE SHORT CHANNEL EFFECTS IN PLANAR CMOS DEVICES	8673731	2014-03-18	13/589707	2012-08-20	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE AND METHOD FOR MAKING SAME	8673735	2014-03-18	13/617464	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
ARRAY AND MOAT ISOLATION STRUCTURES AND METHOD OF MANUFACTURE	8673737	2014-03-18	13/274389	2011-10-17	GLOBALFOUNDRIES Inc.	Granted
SHALLOW TRENCH ISOLATION STRUCTURES	8673738	2014-03-18	13/531780	2012-06-25	GLOBALFOUNDRIES Inc.	Granted
DRY ETCH POLYSILICON REMOVAL FOR REPLACEMENT GATES	8673759	2014-03-18	13/398991	2012-02-17	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING STRUCTURES ON AN INTEGRATED CIRCUIT PRODUCT	8673760	2014-03-18	13/925200	2013-06-24	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING COPPER-BASED CONDUCTIVE STRUCTURES BY FORMING A COPPER-BASED SEED LAYER HAVING AN AS-DEPOSITED THICKNESS PROFILE AND THEREAFTER PERFORMING AN ETCHING PROCESS AND ELECTROLESS COPPER DEPOSITION	8673766	2014-03-18	13/476692	2012-05-21	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING CONDUCTIVE STRUCTURES IN DIELECTRIC LAYERS ON AN INTEGRATED CIRCUIT DEVICE	8673770	2014-03-18	13/281105	2011-10-25	GLOBALFOUNDRIES Inc.	Granted
METHOD AND APPARATUS FOR SUBSTRATE-MASK ALIGNMENT	8673791	2014-03-18	13/480831	2012-05-25	GLOBALFOUNDRIES Inc.	Granted
PAD-LESS GATE-ALL AROUND SEMICONDUCTOR NANOWIRE FEETS ON BULK SEMICONDUCTOR WAFERS	8674342	2014-03-18	13/405732	2012-02-27	GLOBALFOUNDRIES Inc.	Granted
CONTACTS-FIRST SELF-ALIGNED CARBON NANOTUBE TRANSISTOR WITH GATE-ALL-AROUND	8674412	2014-03-18	13/587508	2012-08-16	GLOBALFOUNDRIES Inc.	Granted

METHODS OF FORMING FINNS AND ISOLATION REGIONS ON A FINNET SEMICONDUCTOR DEVICE	8674413	2014-03-18	13/670605	2012-11-07	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH REDUCED THRESHOLD VARIABILITY HAVING A THRESHOLD ADJUSTING SEMICONDUCTOR ALLOY IN THE DEVICE ACTIVE REGION	8674416	2014-03-18	13/663589	2012-10-30	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURE HAVING VIAS AND HIGH DENSITY CAPACITORS	8674423	2014-03-18	13/302168	2011-11-22	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICES HAVING STRESSOR REGIONS AND RELATED FABRICATION METHODS	8674438	2014-03-18	13/765474	2013-12-12	GLOBALFOUNDRIES Inc.	Granted
STRUCTURE AND METHOD OF FORMING A TRANSISTOR WITH ASYMMETRIC CHANNEL AND SOURCE/DRAIN REGIONS	8674444	2014-03-18	13/422297	2012-03-16	GLOBALFOUNDRIES Inc.	Granted
HIGH-K TRANSISTORS WITH LOW THRESHOLD VOLTAGE	8674456	2014-03-18	13/442090	2012-04-09	GLOBALFOUNDRIES Inc.	Granted
TRANSISTORS WITH EMBEDDED STRAIN-INDUCING MATERIAL FORMED IN CAVITIES PROVIDED BY AN OXIDIZING ETCH PROCESS	8674458	2014-03-18	13/483630	2012-05-30	GLOBALFOUNDRIES Inc.	Granted
ANTI-RFUSE DEVICE STRUCTURE AND ELECTROPLATING CIRCUIT STRUCTURE AND METHODS TO REDUCE MAXIMUM CURRENT DENSITY IN A SOLDER BALL	8674476	2014-03-18	13/535393	2012-06-28	GLOBALFOUNDRIES Inc.	Granted
STRUCTURES AND METHODS TO REDUCE MAXIMUM CURRENT DENSITY IN A SOLDER BALL	8674506	2014-03-18	13/873801	2013-04-30	GLOBALFOUNDRIES Inc.	Granted
3D INTEGRATED CIRCUIT STRUCTURE	8674515	2014-03-18	13/264002	2012-02-01	GLOBALFOUNDRIES Inc.	Granted
CLOCK FEATHERED SLEW RATE CONTROL SYSTEM	8674737	2014-03-18	13/606940	2012-09-07	GLOBALFOUNDRIES Inc.	Granted
GATED DIODE MEMORY CELLS	8675403	2014-03-18	13/571094	2012-08-09	GLOBALFOUNDRIES Inc.	Granted
IMPLEMENTING RC AND COUPLING DELAY CORRECTION FOR SRAM	8675427	2014-03-18	13/414133	2012-03-07	GLOBALFOUNDRIES Inc.	Granted
TECHNIQUES FOR RECOVERY OF WIRELESS SERVICES FOLLOWING POWER FAILURES	8675475	2014-03-18	13/214818	2011-08-22	GLOBALFOUNDRIES Inc.	Granted
DOUBLE PATTERNING COMPATIBLE COLORLESS M1 ROUTE	8677291	2014-03-18	13/646760	2012-10-08	GLOBALFOUNDRIES Inc.	Granted
TASK-BASED MULTI-PROCESS DESIGN SYNTHESIS	8677304	2014-03-18	13/783438	2013-03-05	GLOBALFOUNDRIES Inc.	Granted
POLARIZATION MONITORING RETICLE DESIGN FOR HIGH NUMERICAL APERTURE LITHOGRAPHY SYSTEMS	8679708	2014-03-25	13/659236	2012-10-24	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED BIOSENSORS WITH ENHANCED SENSITIVITY	8679885	2014-03-25	14/010034	2013-08-26	GLOBALFOUNDRIES Inc.	Granted
MULTIPATH SOLDERED THERMAL INTERFACE BETWEEN A CHIP AND ITS HEAT SINK	8679899	2014-03-25	13/226681	2011-09-07	GLOBALFOUNDRIES Inc.	Granted
STACKED NANOWIRE FIELD EFFECT TRANSISTOR	8679902	2014-03-25	13/628726	2012-09-27	GLOBALFOUNDRIES Inc.	Granted
CROSS-COUPLING-BASED DESIGN USING DIFFUSION CONTACT STRUCTURES	8679911	2014-03-25	13/465134	2012-05-07	GLOBALFOUNDRIES Inc.	Granted
MULTIPLE-GATE DEVICE WITH FLOATING BACK GATE	8679918	2014-03-25	11/748576	2007-05-15	GLOBALFOUNDRIES Inc.	Granted
CANYON GATE TRANSISTOR AND METHODS FOR ITS FABRICATION	8679921	2014-03-25	13/283370	2011-10-27	GLOBALFOUNDRIES Inc.	Granted
SELF-ALIGNED MULTIPLE GATE TRANSISTOR FORMED ON A BULK SUBSTRATE	8679924	2014-03-25	13/017558	2011-01-31	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING SEMICONDUCTOR DEVICES WITH ISOLATION REGIONS HAVING UNIFORM STEPHIGHTS	8679940	2014-03-25	13/399727	2012-02-17	GLOBALFOUNDRIES Inc.	Granted
FIXED CURVATURE FORCE LOADING OF MECHANICALLY SPALLED FILMS	8679943	2014-03-25	13/215738	2011-08-23	GLOBALFOUNDRIES Inc.	Granted
SELF-FORMATION OF HIGH-DENSITY DEFECT-FREE AND ALIGNED NANOSTRUCTURES	8679947	2014-03-25	13/670921	2012-11-07	GLOBALFOUNDRIES Inc.	Granted
PREVENTION AND CONTROL OF INTERMETALLIC ALLOY INCLUSIONS	8679964	2014-03-25	12/173803	2008-07-15	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING A SELF-ALIGNED CONTACT OPENING BY A LATERAL ETCH	8679968	2014-03-25	13/471846	2012-05-15	GLOBALFOUNDRIES Inc. & GLOBALFOUNDRIES Singapore Pte. Ltd.	Granted
METAL-CONTAMINATION-FREE THROUGH-SUBSTRATE VIA STRUCTURE	8679971	2014-03-25	13/756981	2013-02-01	GLOBALFOUNDRIES Inc.	Granted

THIN FILM SOLAR CELLS	8680393	2014-03-25	13/567407	2012-08-06	GLOBALFOUNDRIES Inc.	Granted
MEMORY CELL WITH POST DEPOSITION METHOD FOR REGROWTH OF CRYSTALLINE PHASE CHANGE MATERIAL	8680501	2014-03-25	13/736189	2013-01-08	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE TRANSISTOR WITH A SELF-ALIGNED GATE	8680512	2014-03-25	13/614530	2012-09-13	GLOBALFOUNDRIES Inc.	Granted
DIODE-TRIGGERED SILICON CONTROLLED RECTIFIER WITH AN INTEGRATED DIODE	8680573	2014-03-25	13/455653	2012-04-25	GLOBALFOUNDRIES Inc.	Granted
OMEGA SHAPED NANOWIRE FIELD EFFECT TRANSISTORS	8680589	2014-03-25	13/272719	2012-02-14	GLOBALFOUNDRIES Inc.	Granted
TRENCH STRUCTURE AND METHOD OF FORMING THE TRENCH STRUCTURE	8680598	2014-03-25	13/455177	2012-04-25	GLOBALFOUNDRIES Inc.	Granted
SPLIT LEVEL SHALLOW TRENCH ISOLATION FOR AREA EFFICIENT BODY CONTACTS IN SOI MOSFETS	8680617	2014-03-25	12/574126	2009-10-06	GLOBALFOUNDRIES Inc.	Granted
BOND PAD CONFIGURATIONS FOR CONTROLLING SEMICONDUCTOR CHIP PACKAGE INTERACTIONS	8680681	2014-03-25	13/218555	2011-08-26	GLOBALFOUNDRIES Inc.	Granted
ALIGNMENT CORRECTION SYSTEM AND METHOD OF USE	8680871	2014-03-25	13/869662	2013-04-24	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR ENHANCING QUALITY OF PIXEL SENSOR IMAGE FRAMES FOR GLOBAL SHUTTER IMAGING	8681254	2014-03-25	13/283819	2011-10-28	GLOBALFOUNDRIES Inc.	Granted
METHODS AND SYSTEMS FOR MEMORY DEVICES WITH ASYMMETRIC SWITCHING CHARACTERISTICS	8681570	2014-03-25	13/404212	2012-02-24	GLOBALFOUNDRIES Inc.	Granted
OPTICAL WAVEGUIDE WITH PERIODIC SUB-WAVELENGTH SIZED REGIONS	8682128	2014-03-25	12/195565	2008-08-21	GLOBALFOUNDRIES Inc.	Granted
MANAGING COMPONENT COUPLING IN AN OBJECT-CENTRIC PROCESS IMPLEMENTATION	8682630	2014-03-25	12/484326	2009-06-15	GLOBALFOUNDRIES Inc.	Granted
PROCESSING EXECUTION REQUESTS WITHIN DIFFERENT COMPUTING ENVIRONMENTS	8683264	2014-03-25	13/080773	2011-04-06	GLOBALFOUNDRIES Inc.	Granted
INTEGRATED DESIGN ENVIRONMENT FOR NANOPHOTONICS	8683393	2014-03-25	13/544194	2012-07-09	GLOBALFOUNDRIES Inc.	Granted
CLOCK ALIAS FOR TIMING ANALYSIS OF AN INTEGRATED CIRCUIT DESIGN	8683402	2014-03-25	13/676174	2012-11-14	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR MAKING HIGH-SPEED CERAMIC MODULES WITH HYBRID REFERENCING SCHEME FOR IMPROVED PERFORMANCE AND REDUCED COST	8683413	2014-03-25	13/621242	2012-09-15	GLOBALFOUNDRIES Inc.	Granted
PLANAR CAVITY MEMS AND RELATED STRUCTURES, METHODS OF MANUFACTURE AND DESIGN STRUCTURES	8685778	2014-04-01	12/973285	2010-12-20	GLOBALFOUNDRIES Inc.	Granted
PLANAR PHASE-CHANGE MEMORY CELL WITH PARALLEL ELECTRICAL PATHS	8685785	2014-04-01	13/619493	2012-09-14	GLOBALFOUNDRIES Inc.	Granted
SILICON-ON-INSULATOR SUBSTRATE WITH BUILT-IN SUBSTRATE JUNCTION	8685806	2014-04-01	13/908048	2013-06-03	GLOBALFOUNDRIES Inc.	Granted
METHOD OF FORMING METAL GATES AND METAL CONTACTS IN A COMMON FILL PROCESS	8685807	2014-04-01	13/100798	2011-05-04	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR STRUCTURES HAVING IMPROVED CONTACT RESISTANCE	8685809	2014-04-01	13/454709	2012-04-24	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING SEMICONDUCTOR DEVICES BY FORMING SEMICONDUCTOR CHANNEL REGION MATERIALS PRIOR TO FORMING ISOLATION STRUCTURES	8685816	2014-04-01	13/493003	2012-06-11	GLOBALFOUNDRIES Inc.	Granted
STRESS REDUCTION MEANS FOR WARP CONTROL OF SUBSTRATES THROUGH CLAMPING	8685833	2014-04-01	13/437309	2012-04-02	GLOBALFOUNDRIES Inc.	Granted
FORMATION OF METAL NANOSPHERES AND MICROSPHERES	8685858	2014-04-01	13/220816	2011-08-30	GLOBALFOUNDRIES Inc.	Granted
PORE PHASE CHANGE MATERIAL CELL FABRICATED FROM RECESSED PILLAR	8686391	2014-04-01	13/612552	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR TRENCH INDUCTORS AND TRANSFORMERS	8686522	2014-04-01	13/272485	2011-10-13	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR CHIP STACKING FOR REDUNDANCY AND YIELD IMPROVEMENT	8686559	2014-04-01	13/607680	2012-09-08	GLOBALFOUNDRIES Inc.	Granted
EDGE SELECTION TECHNIQUES FOR CORRECTING CLOCK DUTY CYCLE	8686764	2014-04-01	13/947224	2013-07-22	GLOBALFOUNDRIES Inc.	Granted

PHASE ROTATOR BASED ON VOLTAGE REFERENCING	8686776	2014-04-01	13/556237	2012-07-24	GLOBALFOUNDRIES Inc.	Granted
ASYMMETRIC COMPLEMENTARY DIPOLE ILLUMINATOR	8687170	2014-04-01	13/414954	2012-03-08	GLOBALFOUNDRIES Inc.	Granted
SENSE SCHEME FOR PHASE CHANGE MATERIAL CONTENT	8687398	2014-04-01	13/407813	2012-02-29	GLOBALFOUNDRIES Inc.	Granted
ADDRESSABLE MEMORY						
DOMAIN WALL MOTION IN PERPENDICULARLY MAGNETIZED WIRES	8687415	2014-04-01	13/543090	2012-07-06	GLOBALFOUNDRIES Inc.	Granted
HAVING ARTIFICIAL ANTIFERROMAGNETICALLY COUPLED MULTILAYERS WITH ENGINEERED INTERFACES						
SELF-REPAIR INTEGRATED CIRCUIT AND REPAIR METHOD	8687445	2014-04-01	13/846229	2013-03-18	GLOBALFOUNDRIES Inc.	Granted
PITCH-AWARE MULTI-PATTERNING LITHOGRAPHY	8689151	2014-04-01	13/612790	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
DOUBLE-SIDED INTEGRATED CIRCUIT CHIPS	8689152	2014-04-01	13/783438	2013-03-04	GLOBALFOUNDRIES Inc.	Granted
PROVIDING TIMING-CLOSED FINFET DESIGNS FROM PLANAR DESIGNS	8689154	2014-04-01	13/446418	2012-04-13	GLOBALFOUNDRIES Inc.	Granted
METHOD FOR FORMING INTEGRATED CIRCUIT ASSEMBLY	8689437	2014-04-08	12/490804	2009-06-24	GLOBALFOUNDRIES Inc.	Granted
CHARGED ENTITIES AS LOCOMOTIVE TO CONTROL MOTION OF POLYMERS THROUGH A NANOCHANNEL	8691067	2014-04-08	13/234276	2011-09-16	GLOBALFOUNDRIES Inc.	Granted
METHODS OF FORMING DIELECTRICALLY ISOLATED FINS FOR A FINFET SEMICONDUCTOR BY PERFORMING AN ETCHING PROCESS WHEREIN THE ETCH RATE IS MODIFIED VIA INCLUSION OF A DOPANT MATERIAL	8691640	2014-04-08	13/745927	2013-01-21	GLOBALFOUNDRIES Inc.	Granted
PREVENTION AND CONTROL OF INTERMETALLIC ALLOY INCLUSIONS THAT FORM DURING REFLOW OF Pb FREE, Sn RICH, SOLDER IN CONTACTS IN MICROELECTRONIC PACKAGING IN INTEGRATED CIRCUIT CONTACT STRUCTURES WHERE ELECTROLESS Ni(P) METALLIZATION IS PRESENT	8691685	2014-04-08	11/657000	2007-01-23	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FABRICATING INTEGRATED CIRCUITS HAVING LOW RESISTANCE DEVICE CONTACTS	8691689	2014-04-08	13/689839	2012-11-20	GLOBALFOUNDRIES Inc.	Granted
TSV PILLAR AS AN INTERCONNECTING STRUCTURE	8691691	2014-04-08	13/194214	2011-07-29	GLOBALFOUNDRIES Inc.	Granted
METHODS FOR FORMING AN INTEGRATED CIRCUIT WITH STRAIGHTENED RECESS PROFILE	8691696	2014-04-08	13/476860	2012-05-21	GLOBALFOUNDRIES Inc.	Granted
REPLACEMENT CONTACTS FOR ALL-AROUND CONTACTS	8692229	2014-04-08	13/558532	2012-07-26	GLOBALFOUNDRIES Inc.	Granted
PARALLEL OPTICAL TRANSDUCER MODULE	8692276	2014-04-08	13/947906	2013-07-22	GLOBALFOUNDRIES Inc.	Granted
HETEROJUNCTION BIPOLAR TRANSISTORS AND METHODS OF MANUFACTURE	8692288	2014-04-08	13/529625	2012-06-21	GLOBALFOUNDRIES Inc.	Granted
SILICON CONTROLLED RECTIFIER STRUCTURE WITH IMPROVED JUNCTION BREAKDOWN AND LEAKAGE CONTROL	8692290	2014-04-08	13/226838	2011-09-07	GLOBALFOUNDRIES Inc.	Granted
PASSIVE DEVICES FOR FINFET INTEGRATED CIRCUIT TECHNOLOGIES	8692291	2014-04-08	13/431456	2012-03-27	GLOBALFOUNDRIES Inc.	Granted
LATERAL EPITAXIAL GROWN SOI IN DEEP TRENCH STRUCTURES AND METHODS OF MANUFACTURE	8692307	2014-04-08	13/530519	2012-06-22	GLOBALFOUNDRIES Inc.	Granted
ISOLATION STRUCTURES FOR FINFET SEMICONDUCTOR DEVICES	8692316	2014-04-08	14/065928	2013-10-29	GLOBALFOUNDRIES Inc.	Granted
MULTI-PROTOCOL DRIVER SLEW RATE CALIBRATION SYSTEM FOR CALIBRATION SLEW RATE CONTROL SIGNAL VALUES	8692600	2014-04-08	13/737110	2013-01-09	GLOBALFOUNDRIES Inc.	Granted
LOCATING A DEVICE IN A GIVEN STATE	8692673	2014-04-08	12/259217	2008-10-27	GLOBALFOUNDRIES Inc.	Granted
METHOD AND SYSTEM FOR RESILIENT PACKET TRACEBACK IN WIRELESS MESH AND SENSOR NETWORKS	8695089	2014-04-08	11/694388	2007-03-30	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE HAVING A GATE FORMED ON A UNIFORM SURFACE AND METHOD FOR FORMING THE SAME	8697501	2014-04-15	13/693094	2012-12-04	GLOBALFOUNDRIES Inc.	Granted

BULK FINNET WITH UNIFORM HEIGHT AND BOTTOM ISOLATION	8697522	2014-04-15	13/176456	2011-07-05	GLOBALFOUNDRIES Inc.	Granted
DRAIN/SOURCE EXTENSION STRUCTURE OF A FIELD EFFECT TRANSISTOR WITH REDUCED BORON DIFFUSION	8697530	2014-04-15	11/674362	2007-02-13	GLOBALFOUNDRIES Inc.	Granted
LOCALLY ISOLATED PROTECTED BULK FINNET SEMICONDUCTOR DEVICE	8697536	2014-04-15	13/685735	2012-11-27	GLOBALFOUNDRIES Inc.	Granted
METHOD OF REMOVING GATE CAP MATERIALS WHILE PROTECTING ACTIVE AREA	8697557	2014-04-15	13/154521	2011-06-07	GLOBALFOUNDRIES Inc.	Granted
MICROELECTRONIC STRUCTURE BY SELECTIVE DEPOSITION	8697561	2014-04-15	13/372058	2012-02-13	GLOBALFOUNDRIES Inc.	Granted
GATE-ALL AROUND SEMICONDUCTOR NANOWIRE FET'S ON BULK SEMICONDUCTOR WAFERS	8698128	2014-04-15	13/405682	2012-02-27	GLOBALFOUNDRIES Inc.	Granted
GRAPHENE CHANNEL-BASED DEVICES AND METHODS FOR FABRICATION THEREOF	8698165	2014-04-15	13/875642	2013-05-02	GLOBALFOUNDRIES Inc.	Granted
SEMICONDUCTOR DEVICE WITH STRAIN-INDUCING REGIONS AND METHOD THEREOF	8698243	2014-04-15	13/953349	2013-07-29	GLOBALFOUNDRIES Inc.	Granted
PARTIALLY DEPLETED (PD) SEMICONDUCTOR-ON-INSULATOR (SOI) FIELD EFFECT TRANSISTOR (FET) STRUCTURE WITH A GATE-TO-BODY TUNNEL CURRENT REGION FOR THRESHOLD VOLTAGE (VT) LOWERING AND METHOD OF FORMING THE STRUCTURE	8698245	2014-04-15	12/967329	2010-12-14	GLOBALFOUNDRIES Inc.	Granted
SUPERFILLED METAL CONTACT VIAS FOR SEMICONDUCTOR DEVICES	8698318	2014-04-15	13/760373	2013-02-06	GLOBALFOUNDRIES Inc.	Granted
COMPUTING MULTI-MAGNET BASED DEVICES AND METHODS FOR SOLUTION OF OPTIMIZATION PROBLEMS	8698517	2014-04-15	13/572988	2012-08-13	GLOBALFOUNDRIES Inc.	Granted
MICROCAVITY STRUCTURE AND PROCESS	8703374	2014-04-22	12/244067	2008-10-02	GLOBALFOUNDRIES Inc.	Granted
METAL PEROXO COMPOUNDS WITH ORGANIC CO-LIGANDS FOR ELECTRON BEAM, DEEP UV AND EXTREME UV PHOTORESIST APPLICATIONS	8703386	2014-04-22	13/405587	2012-02-27	GLOBALFOUNDRIES Inc.	Granted
PROCESS FLOW TO REDUCE HOLE DEFECTS IN P-ACTIVE REGIONS AND TO REDUCE ACROSS-WAFER THRESHOLD VOLTAGE SCATTER	8703551	2014-04-22	13/102680	2011-05-06	GLOBALFOUNDRIES Inc.	Granted
METHOD AND STRUCTURE FOR FORMING CAPACITORS AND MEMORY DEVICES ON SEMICONDUCTOR-ON-INSULATOR (SOI) SUBSTRATES	8703552	2014-04-22	13/419624	2012-03-14	GLOBALFOUNDRIES Inc.	Granted
MOS CAPACITORS WITH A FINNET PROCESS	8703553	2014-04-22	13/471955	2012-05-15	GLOBALFOUNDRIES Inc.	Granted
METHODS OF REMOVING DUMMY FIN STRUCTURES WHEN FORMING FINNET DEVICES	8703557	2014-04-22	13/863044	2013-04-15	GLOBALFOUNDRIES Inc.	Granted
EMBEDDED DRAM CELL STRUCTURES WITH HIGH CONDUCTANCE ELECTRODES AND METHODS OF MANUFACTURE	8703572	2014-04-22	13/269955	2011-10-10	GLOBALFOUNDRIES Inc.	Granted
PARTIAL POLY AMORPHIZATION FOR CHANNELING PREVENTION	8704229	2014-04-22	13/190566	2011-07-26	GLOBALFOUNDRIES Inc.	Granted
PIXEL SENSORS OF MULTIPLE PIXEL SIZE AND METHODS OF IMPLANT	8704325	2014-04-22	13/611423	2012-09-12	GLOBALFOUNDRIES Inc.	Granted
METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (MOSFET) GATE TERMINATION	8704332	2014-04-22	13/495081	2012-06-13	GLOBALFOUNDRIES Inc.	Granted
HYBRID PHASE-LOCKED LOOP ARCHITECTURES	8704566	2014-04-22	13/608277	2012-09-10	GLOBALFOUNDRIES Inc.	Granted
VARIABLE RESISTANCE SWITCH FOR WIDE BANDWIDTH RESONANT GLOBAL CLOCK DISTRIBUTION	8704576	2014-04-22	13/759697	2013-02-05	GLOBALFOUNDRIES Inc.	Granted
CAPACITIVE LEVEL-SHIFTING CIRCUITS AND METHODS FOR ADDING DC OFFSETS TO OUTPUT OF CURRENT-INTEGRATING AMPLIFIER	8704583	2014-04-22	13/399054	2012-02-17	GLOBALFOUNDRIES Inc.	Granted

