

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6995491

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
DEUTSCHE BANK AG NEW YORK BRANCH	10/27/2021

RECEIVING PARTY DATA

Name:	FAIRCHILD SEMICONDUCTOR CORPORATION
Street Address:	5005 E. MCDOWELL ROAD
Internal Address:	MD A700
City:	PHOENIX
State/Country:	ARIZONA
Postal Code:	85008

PROPERTY NUMBERS Total: 1172

Property Type	Number
Application Number:	08697366
Application Number:	08708712
Application Number:	08726970
Application Number:	08727818
Application Number:	08730591
Application Number:	08748678
Application Number:	08763401
Application Number:	08773098
Application Number:	08814842
Application Number:	08827851
Application Number:	08838109
Application Number:	08840279
Application Number:	08851972
Application Number:	08861562
Application Number:	08868662
Application Number:	08884726
Application Number:	08885227
Application Number:	08885877
Application Number:	08885879

PATENT

Property Type	Number
Application Number:	08885921
Application Number:	08885922
Application Number:	08916570
Application Number:	08917205
Application Number:	08944513
Application Number:	08948196
Application Number:	08953821
Application Number:	08959197
Application Number:	08966867
Application Number:	08970221
Application Number:	08978462
Application Number:	08996084
Application Number:	09014115
Application Number:	09032901
Application Number:	09035683
Application Number:	09036815
Application Number:	09040110
Application Number:	09062907
Application Number:	09072897
Application Number:	09086654
Application Number:	09088198
Application Number:	09092334
Application Number:	09096217
Application Number:	09105420
Application Number:	09107721
Application Number:	09108962
Application Number:	09114769
Application Number:	09129663
Application Number:	09132594
Application Number:	09133030
Application Number:	09136246
Application Number:	09138174
Application Number:	09138581
Application Number:	09138582
Application Number:	09141184
Application Number:	09145513
Application Number:	09149770
Application Number:	09158035

Property Type	Number
Application Number:	09165699
Application Number:	09167177
Application Number:	09167203
Application Number:	09168211
Application Number:	09182995
Application Number:	09186770
Application Number:	09190308
Application Number:	09219403
Application Number:	09231523
Application Number:	09232187
Application Number:	09233723
Application Number:	09240544
Application Number:	09255092
Application Number:	09260411
Application Number:	09267921
Application Number:	09282274
Application Number:	09283531
Application Number:	09298686
Application Number:	09301155
Application Number:	09303270
Application Number:	09314323
Application Number:	09318334
Application Number:	09323868
Application Number:	09324553
Application Number:	09330437
Application Number:	09334098
Application Number:	09336917
Application Number:	09343330
Application Number:	09352437
Application Number:	09358625
Application Number:	09364232
Application Number:	09390733
Application Number:	09412038
Application Number:	09414307
Application Number:	09432916
Application Number:	09436074
Application Number:	09447933
Application Number:	09448884

Property Type	Number
Application Number:	09450872
Application Number:	09464885
Application Number:	09468269
Application Number:	09487969
Application Number:	09495826
Application Number:	09498476
Application Number:	09502712
Application Number:	09511091
Application Number:	09525182
Application Number:	09542561
Application Number:	09548946
Application Number:	09551187
Application Number:	09566857
Application Number:	09586720
Application Number:	09603405
Application Number:	09603605
Application Number:	09619115
Application Number:	09624533
Application Number:	09640954
Application Number:	09640955
Application Number:	09642071
Application Number:	09654845
Application Number:	09656499
Application Number:	09657882
Application Number:	09661485
Application Number:	09662207
Application Number:	09662367
Application Number:	09682151
Application Number:	09689939
Application Number:	09703517
Application Number:	09713587
Application Number:	09724706
Application Number:	09730932
Application Number:	09731169
Application Number:	09737977
Application Number:	09759817
Application Number:	09767092
Application Number:	09774780

Property Type	Number
Application Number:	09780199
Application Number:	09805597
Application Number:	09815672
Application Number:	09823600
Application Number:	09839523
Application Number:	09844347
Application Number:	09855820
Application Number:	09858811
Application Number:	09860099
Application Number:	09863574
Application Number:	09865282
Application Number:	09881787
Application Number:	09897749
Application Number:	09898133
Application Number:	09925212
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Application Number:	09963049
Application Number:	09971844
Application Number:	09981583
Application Number:	09992629
Application Number:	09993145
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Application Number:	10039319
Application Number:	10050428
Application Number:	10050976
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Application Number:	10082944
Application Number:	10092692
Application Number:	10105721
Application Number:	10135719
Application Number:	10138913
Application Number:	10143065
Application Number:	10155554
Application Number:	10174641

Property Type	Number
Application Number:	10177783
Application Number:	10187560
Application Number:	10195984
Application Number:	10196790
Application Number:	10200056
Application Number:	10207625
Application Number:	10208951
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Application Number:	10235249
Application Number:	10247461
Application Number:	10247464
Application Number:	10262170
Application Number:	10269126
Application Number:	10269244
Application Number:	10271654
Application Number:	10278224
Application Number:	10280313
Application Number:	10288982
Application Number:	10292119
Application Number:	10301375
Application Number:	10301465
Application Number:	10315517
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Application Number:	10355317
Application Number:	10368253
Application Number:	10370047
Application Number:	10386211
Application Number:	10395460
Application Number:	10395499
Application Number:	10397436

Property Type	Number
Application Number:	10406334
Application Number:	10408471
Application Number:	10411688
Application Number:	10412448
Application Number:	10413668
Application Number:	10413796
Application Number:	10438349
Application Number:	10442670
Application Number:	10447629
Application Number:	10602798
Application Number:	10607633
Application Number:	10618067
Application Number:	10630249
Application Number:	10640742
Application Number:	10665166
Application Number:	10678010
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Application Number:	10682107
Application Number:	10682323
Application Number:	10685371
Application Number:	10686859
Application Number:	10691734
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Application Number:	10718443
Application Number:	10719505
Application Number:	10720568
Application Number:	10725699
Application Number:	10726723
Application Number:	10729626
Application Number:	10729729
Application Number:	10741464
Application Number:	10754095
Application Number:	10758520
Application Number:	10774581
Application Number:	10779891
Application Number:	10780493
Application Number:	10793960
Application Number:	10795723

Property Type	Number
Application Number:	10799895
Application Number:	10803303
Application Number:	10817195
Application Number:	10821796
Application Number:	10824747
Application Number:	10827013
Application Number:	10834752
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Application Number:	10893764
Application Number:	10895568
Application Number:	10917106
Application Number:	10920882
Application Number:	10927788
Application Number:	10931887
Application Number:	10938463
Application Number:	10942318
Application Number:	10943668
Application Number:	10947573
Application Number:	10951259
Application Number:	10959188
Application Number:	10962367
Application Number:	10965300
Application Number:	10997818
Application Number:	11005755
Application Number:	11006345
Application Number:	11016397
Application Number:	11018041
Application Number:	11022167
Application Number:	11026276
Application Number:	11048314
Application Number:	11051061
Application Number:	11051413

Property Type	Number
Application Number:	11052258
Application Number:	11052264
Application Number:	11054189
Application Number:	11069900
Application Number:	11083474
Application Number:	11083560
Application Number:	11086955
Application Number:	11090671
Application Number:	11091733
Application Number:	11108346
Application Number:	11111305
Application Number:	11116106
Application Number:	11130794
Application Number:	11140249
Application Number:	11140567
Application Number:	11166356
Application Number:	11180367
Application Number:	11180405
Application Number:	11187430
Application Number:	11188415
Application Number:	11189163
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Application Number:	11194060
Application Number:	11201400
Application Number:	11202510
Application Number:	11207486
Application Number:	11213182
Application Number:	11224167
Application Number:	11226020
Application Number:	11226031
Application Number:	11236112
Application Number:	11245995
Application Number:	11261812
Application Number:	11270867
Application Number:	11283077
Application Number:	11299270
Application Number:	11313583
Application Number:	11317653

Property Type	Number
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Application Number:	11327657
Application Number:	11339998
Application Number:	11347916
Application Number:	11348700
Application Number:	11364014
Application Number:	11364399
Application Number:	11375683
Application Number:	11378087
Application Number:	11385948
Application Number:	11388790
Application Number:	11396239
Application Number:	11396362
Application Number:	11398467
Application Number:	11400729
Application Number:	11400731
Application Number:	11404062
Application Number:	11404650
Application Number:	11410504
Application Number:	11427906
Application Number:	11430706
Application Number:	11434545
Application Number:	11441386
Application Number:	11444595
Application Number:	11445020
Application Number:	11445111
Application Number:	11446342
Application Number:	11450903
Application Number:	11454562
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Application Number:	11464702
Application Number:	11467997
Application Number:	11469456
Application Number:	11471279
Application Number:	11471291
Application Number:	11479117
Application Number:	11479149
Application Number:	11480004

Property Type	Number
Application Number:	11482676
Application Number:	11483925
Application Number:	11487015
Application Number:	11493125
Application Number:	11503506
Application Number:	11506299
Application Number:	11512941
Application Number:	11517629
Application Number:	11534716
Application Number:	11536584
Application Number:	11551887
Application Number:	11551992
Application Number:	11556967
Application Number:	11564948
Application Number:	11592372
Application Number:	11606449
Application Number:	11606462
Application Number:	11609009
Application Number:	11613884
Application Number:	11619671
Application Number:	11620002
Application Number:	11625100
Application Number:	11626503
Application Number:	11669233
Application Number:	11671065
Application Number:	11672728
Application Number:	11673259
Application Number:	11673487
Application Number:	11675564
Application Number:	11675759
Application Number:	11683128
Application Number:	11685364
Application Number:	11688822
Application Number:	11688829
Application Number:	11688830
Application Number:	11688833
Application Number:	11688835
Application Number:	11689971

Property Type	Number
Application Number:	11690575
Application Number:	11693141
Application Number:	11694704
Application Number:	11707685
Application Number:	11724786
Application Number:	11726939
Application Number:	11735257
Application Number:	11737630
Application Number:	11740475
Application Number:	11747053
Application Number:	11747847
Application Number:	11800384
Application Number:	11801642
Application Number:	11801819
Application Number:	11818285
Application Number:	11827756
Application Number:	11828283
Application Number:	11829793
Application Number:	11830353
Application Number:	11841162
Application Number:	11841237
Application Number:	11844914
Application Number:	11846063
Application Number:	11847001
Application Number:	11848124
Application Number:	11852959
Application Number:	11857199
Application Number:	11861967
Application Number:	11862396
Application Number:	11865191
Application Number:	11866072
Application Number:	11869307
Application Number:	11869862
Application Number:	11873725
Application Number:	11891976
Application Number:	11903338
Application Number:	11909123
Application Number:	11927805

Property Type	Number
Application Number:	11933650
Application Number:	11935915
Application Number:	11937852
Application Number:	11938583
Application Number:	11952481
Application Number:	11959800
Application Number:	11961589
Application Number:	11962571
Application Number:	11963668
Application Number:	11964283
Application Number:	11964419
Application Number:	11968602
Application Number:	11970087
Application Number:	11971512
Application Number:	11971524
Application Number:	11971556
Application Number:	11971596
Application Number:	11972418
Application Number:	11972997
Application Number:	11985457
Application Number:	11986579
Application Number:	12004279
Application Number:	12012057
Application Number:	12017742
Application Number:	12018166
Application Number:	12020855
Application Number:	12020892
Application Number:	12024053
Application Number:	12025514
Application Number:	12025798
Application Number:	12026742
Application Number:	12028051
Application Number:	12032123
Application Number:	12032599
Application Number:	12035758
Application Number:	12037428
Application Number:	12038184
Application Number:	12041546

Property Type	Number
Application Number:	12044314
Application Number:	12046734
Application Number:	12046939
Application Number:	12047028
Application Number:	12049788
Application Number:	12049996
Application Number:	12052135
Application Number:	12052871
Application Number:	12053707
Application Number:	12072259
Application Number:	12077463
Application Number:	12077475
Application Number:	12080274
Application Number:	12098546
Application Number:	12102793
Application Number:	12103701
Application Number:	12103878
Application Number:	12106646
Application Number:	12107995
Application Number:	12108435
Application Number:	12109293
Application Number:	12109302
Application Number:	12112136
Application Number:	12112152
Application Number:	12112176
Application Number:	12114575
Application Number:	12115049
Application Number:	12115254
Application Number:	12118222
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Application Number:	12124953
Application Number:	12125242
Application Number:	12126108
Application Number:	12127670
Application Number:	12128092
Application Number:	12128130
Application Number:	12132267
Application Number:	12132286

Property Type	Number
Application Number:	12136140
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Application Number:	12143510
Application Number:	12144289
Application Number:	12146791
Application Number:	12168348
Application Number:	12170328
Application Number:	12170523
Application Number:	12171924
Application Number:	12174030
Application Number:	12174863
Application Number:	12175171
Application Number:	12178043
Application Number:	12182915
Application Number:	12186743
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Application Number:	12200819
Application Number:	12205178
Application Number:	12207417
Application Number:	12211654
Application Number:	12212489
Application Number:	12217244
Application Number:	12229543
Application Number:	12233034
Application Number:	12234549
Application Number:	12235227
Application Number:	12241481
Application Number:	12242633
Application Number:	12245231
Application Number:	12248874
Application Number:	12249889
Application Number:	12250771
Application Number:	12253014
Application Number:	12257287
Application Number:	12260708
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Property Type	Number
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Application Number:	12266739
Application Number:	12268616
Application Number:	12271369
Application Number:	12277068
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Application Number:	12327425
Application Number:	12329509
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Application Number:	12332326
Application Number:	12333597
Application Number:	12334127
Application Number:	12334249
Application Number:	12334267
Application Number:	12334331
Application Number:	12334393
Application Number:	12337324
Application Number:	12337513
Application Number:	12337709
Application Number:	12339215
Application Number:	12344063
Application Number:	12344859
Application Number:	12346626
Application Number:	12349140
Application Number:	12352057
Application Number:	12353909
Application Number:	12356354
Application Number:	12356566
Application Number:	12357981
Application Number:	12358654
Application Number:	12359670
Application Number:	12361419
Application Number:	12365228
Application Number:	12365793
Application Number:	12365987
Application Number:	12366039
Application Number:	12368210

Property Type	Number
Application Number:	12370974
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Application Number:	12395817
Application Number:	12400659
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Application Number:	12403490
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Application Number:	12405525
Application Number:	12408552
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Application Number:	12411820
Application Number:	12412803
Application Number:	12417586
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Application Number:	12419696
Application Number:	12420435
Application Number:	12420608
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Application Number:	12421448
Application Number:	12425326
Application Number:	12425349
Application Number:	12425790
Application Number:	12426004
Application Number:	12429510
Application Number:	12450708
Application Number:	12479442
Application Number:	12479613
Application Number:	12480031
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Application Number:	12480176
Application Number:	12481108
Application Number:	12484096
Application Number:	12485290
Application Number:	12488851
Application Number:	12489254
Application Number:	12492101

Property Type	Number
Application Number:	12499778
Application Number:	12499893
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Application Number:	12509379
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Application Number:	12535093
Application Number:	12535597
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Application Number:	12548202
Application Number:	12552384
Application Number:	12553464
Application Number:	12560007
Application Number:	12561988
Application Number:	12562025
Application Number:	12567578
Application Number:	12575641
Application Number:	12576120
Application Number:	12576290
Application Number:	12580560
Application Number:	12582487
Application Number:	12606562
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Application Number:	12616943
Application Number:	12617142
Application Number:	12629232
Application Number:	12629362
Application Number:	12636011
Application Number:	12637496
Application Number:	12644646
Application Number:	12644669
Application Number:	12644697
Application Number:	12645075
Application Number:	12683058
Application Number:	12685592
Application Number:	12688835
Application Number:	12698746
Application Number:	12699600

Property Type	Number
Application Number:	12701773
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Application Number:	12707323
Application Number:	12713032
Application Number:	12713039
Application Number:	12714054
Application Number:	12717012
Application Number:	12723128
Application Number:	12755966
Application Number:	12760286
Application Number:	12773552
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Application Number:	12787677
Application Number:	12788626
Application Number:	12790122
Application Number:	12794936
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Application Number:	12814775
Application Number:	12815552
Application Number:	12815563
Application Number:	12819023
Application Number:	12819109
Application Number:	12821590
Application Number:	12822008
Application Number:	12822471
Application Number:	12822675
Application Number:	12822932
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Application Number:	12830770
Application Number:	12833781
Application Number:	12834472
Application Number:	12836664
Application Number:	12838022
Application Number:	12840919
Application Number:	12845919
Application Number:	12845999

Property Type	Number
Application Number:	12849535
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Application Number:	12849787
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Application Number:	12862163
Application Number:	12869416
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Application Number:	12883044
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Application Number:	12891147
Application Number:	12891616
Application Number:	12892817
Application Number:	12893997
Application Number:	12899296
Application Number:	12899810
Application Number:	12899829
Application Number:	12904702
Application Number:	12904742
Application Number:	12906955
Application Number:	12907805
Application Number:	12913897
Application Number:	12916045
Application Number:	12917648
Application Number:	12940319
Application Number:	12944192
Application Number:	12945327
Application Number:	12946458
Application Number:	12947543

Property Type	Number
Application Number:	12949587
Application Number:	12952045
Application Number:	12953162
Application Number:	12958689
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Application Number:	12964933
Application Number:	12965611
Application Number:	12974599
Application Number:	12977535
Application Number:	12978836
Application Number:	12982051
Application Number:	12982509
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Application Number:	13015448
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Application Number:	13049629
Application Number:	13049655
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Application Number:	13072494
Application Number:	13074921
Application Number:	13075091
Application Number:	13081400
Application Number:	13083253
Application Number:	13083406
Application Number:	13091578
Application Number:	13091681

Property Type	Number
Application Number:	13093629
Application Number:	13095584
Application Number:	13095664
Application Number:	13095670
Application Number:	13095678
Application Number:	13095690
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Application Number:	13102667
Application Number:	13103514
Application Number:	13103728
Application Number:	13104006
Application Number:	13107491
Application Number:	13109440
Application Number:	13109485
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Application Number:	13188802
Application Number:	13188834
Application Number:	13189480
Application Number:	13193311
Application Number:	13207798
Application Number:	13210217
Application Number:	13212175

Property Type	Number
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Application Number:	13216565
Application Number:	13219229
Application Number:	13219281
Application Number:	13221179
Application Number:	13225713
Application Number:	13227802
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Application Number:	13245210
Application Number:	13246682
Application Number:	13270050
Application Number:	13270726
Application Number:	13271185
Application Number:	13272021
Application Number:	13274654
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Application Number:	13279107
Application Number:	13280452
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Application Number:	13341490
Application Number:	13341609

Property Type	Number
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Application Number:	13447762
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Application Number:	13453042
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Application Number:	13459117
Application Number:	13461646
Application Number:	13469737

Property Type	Number
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Property Type	Number
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Application Number:	13826818
Application Number:	13830964

Property Type	Number
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Application Number:	13920862
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Application Number:	13941889
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Property Type	Number
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Application Number:	17110011
Application Number:	17316367
Application Number:	62397567
Application Number:	62400386
Application Number:	62402759

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DATE SIGNED: 10/28/2021

Total Attachments: 82

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**RELEASE OF
SECURITY INTEREST IN PATENTS**

This Release of Security Interest in Patents ("Patent Release") is made as of October 27, 2021, by **DEUTSCHE BANK AG NEW YORK BRANCH**, a German banking corporation (the "Collateral Agent") in favor of **FAIRCHILD SEMICONDUCTOR CORPORATION**, a Delaware corporation, with an address at 5005 East McDowell Road, Phoenix, Arizona 85008 (the "Grantor").

W I T N E S S E T H:

WHEREAS, the "Grantor" entered into a certain patent security agreements with Collateral Agent, notices of which were recorded at the United States Patent and Trademark Office (the "USPTO") (collectively, the "Patent Security Agreements").

Capitalized terms used but not otherwise defined herein have the meanings given to them in the Patent Security Agreements.

WHEREAS, the Grantor granted the Collateral Agent, under the terms of the Patent Security Agreements, a continuing security interest (the "Security Interest") in favor of the Collateral Agent, in and to its Patent Collateral, including the Patents listed in Schedule 1.

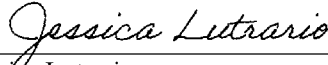
WHEREAS, the Collateral Agent has agreed to terminate and release its security interest in the Patents listed in Schedule 1 as herein provided.

NOW, THEREFORE, in consideration of the foregoing and intending to be legally bound, the Collateral Agent, for itself and on behalf of the lenders in association with the Security Interest, hereby releases, terminates and discharges any and all of its interest in the Patents listed in Schedule 1 hereto, and assigns, transfers and conveys to the Grantor any interest in such intellectual property, including the Security Interest.

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IN WITNESS WHEREOF, the Collateral Agent has caused this Patent Release to be executed as of the day and year first written above.

**DEUTSCHE BANK AG NEW YORK
BRANCH,**
as Collateral Agent

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By: 
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**PATENT
REEL: 057969 FRAME: 0241**

SCHEDULE 1

PATENTS

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1	ACTIVE DECELERATION CIRCUIT FOR A BRUSHLESS DC MOTOR	08/697366	8/23/1996	5793168	11/8/1998	Fairchild Semiconductor Corporation
2	METHOD OF FORMING POWER SEMICONDUCTOR DEVICES WITH CONTROLLABLE INTEGRATED BUFFER	08/708712	9/5/1996	5872028	2/16/1999	Fairchild Semiconductor Corporation
3	PRIMARY SIDE LAMP CURRENT SENSING FOR MINATURE COLD CATHODE FLUORESCENT LAMP SYSTEM	08/726970	10/07/1996	5754012	5/19/1998	Fairchild Semiconductor Corporation
4	LOW DISTORTION LARGE SWING FREQUENCY DOWN CONVERTER FILTER AMPLIFIER CIRCUIT	08/727818	9/30/1996	5901350	4/5/1999	Fairchild Semiconductor Corporation
5	VIDEO COLOR SUBCARRIER SIGNAL GENERATOR	08/730591	10/15/1996	5786866	7/28/1998	Fairchild Semiconductor Corporation
6	DC-TO -DC CONVERTER HAVING HYSTERETIC CURRENT LIMITING	08/748678	11/13/1996	5808455	9/15/1998	Fairchild Semiconductor Corporation
7	THREE-PIN BUCK AND FOUR-PIN BOOST CONVERTER HAVING OPEN LOOP OUTPUT VOLTAGE CONTROL	08/763401	12/11/1996	5894243	4/13/1999	Fairchild Semiconductor Corporation
8	BATTERY CELL EQUALIZATION CIRCUIT	08/773098	12/24/1996	5956241	9/21/1999	Fairchild Semiconductor Corporation
9	METHOD OF MAKING MOS-GATED SEMICONDUCTOR DEVICES	08/814842	3/11/1997	5877044	2/3/1999	Fairchild Semiconductor Corporation
10	HETEROJUNCTION BIPOLAR TRANSISTOR	08/827851	4/11/1997	5986324	11/16/1999	Fairchild Semiconductor Corporation
11	CMOS RAIL-TO-RAIL INPUT/OUTPUT AMPLIFIER	08/838109	4/15/1997	5929705	7/27/1999	Fairchild Semiconductor Corporation
12	SINGLE INDUCTOR MULTIPLE OUTPUT BOOST REGULATOR	08/840279	4/14/1997	6075295	6/13/2000	Fairchild Semiconductor Corporation
13	PROGRAMMABLE STEP DOWN DC-DC CONVERTER CONTROLLER	08/851972	5/6/1997	5905370	5/18/1999	Fairchild Semiconductor Corporation
14	ONE MASK POWER SEMICONDUCTOR DEVICE FABRICATION PROCESS	08/861562	05/22/1997	6110763	8/29/2000	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
15	DUAL ADJUSTABLE VOLTAGE REGULATORS	08/868662	6/4/1997	5864225	1/26/1999	Fairchild Semiconductor Corporation
16	SELF-ALIGNED POWER FIELD EFFECT TRANSISTOR IN SILICON CARBIDE	08/884726	6/30/1997	5877041	2/3/1999	Fairchild Semiconductor Corporation
17	BIPOLAR SEMICONDUCTOR POWER CONTROLLING DEVICES WITH HETEROJUNCTION	08/885227	6/30/1997	5894141	4/13/1999	Fairchild Semiconductor Corporation
18	METHOD OF MAKING A MOS-GATED SEMICONDUCTOR DEVICE WITH A SINGLE DIFFUSION	08/885877	6/30/1997	6080614	6/27/2000	Fairchild Semiconductor Corporation
19	TRENCH CONTACT PROCESS	08/885879	6/30/1997	6110799	8/29/2000	Fairchild Semiconductor Corporation
20	A METHOD OF FABRICATING UMOS SEMICONDUCTOR DEVICES USING A SELF-ALIGNED REDUCED MASK PROCESS	08/885921	6/30/1997	5940689	8/17/1999	Fairchild Semiconductor Corporation
21	SEMICONDUCTOR STRUCTURES WITH TRENCH CONTACTS	08/885922	6/30/1997	6037628	3/14/2000	Fairchild Semiconductor Corporation
22	TWO-STAGE SWITCHING REGULATOR HAVING LOW POWER MODES RESPONSIVE TO LOAD POWER CONSUMPTION	08/916570	8/22/1997	5903138	11/5/1999	Fairchild Semiconductor Corporation
23	SWITCHING REGULATOR HAVING LOW POWER MODE RESPONSIVE TO LOAD POWER CONSUMPTION	08/917205	8/25/1997	5747977	5/5/1998	Fairchild Semiconductor Corporation
24	PROTECTION DEVICE FOR SOLID STATE SWITCHED POWER ELECTORNICS	08/944513	10/6/1997	5995349	11/30/1999	Fairchild Semiconductor Corporation
25	VIDEO LINE RATE VERTICAL SCALER	08/948196	10/09/1997	6281873	8/28/2001	Fairchild Semiconductor Corporation
26	VOLTAGE REGULATOR HAVING ERROR AND TRANSCONDUCTANCE AMPLIFIERS TO DEFINE MULTIPLE POLES	08/953821	9/29/1997	5889393	3/30/1999	Fairchild Semiconductor Corporation
27	TRENCH FORMING PROCESS AND INTEGRATED CIRCUIT DEVICE INCLUDING A TRENCH	08/959197	10/28/1997	6103635	8/15/2000	Fairchild Semiconductor Corporation
28	HIGH VOLTAGE MOSFET STRUCTURE	08/966867	11/10/1997	6081009	6/27/2000	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
29	FIELD EFFECT TRANSISTOR AND METHOD OF ITS MANUFACTURE	08/970221	11/14/1997	6429481	6/8/2002	Fairchild Semiconductor Corporation
30	AUTOMATED SYSTEM FOR DETERMINING THE DYNAMIC THRESHOLDS OF DIGITAL LOGIC DEVICES	08/978462	11/25/1997	5926486	7/20/1999	Fairchild Semiconductor Corporation
31	SWITCHED RELUCTANCE MOTOR CONTROLLER WITH SENSORLESS ROTOR POSITION DETECTION	08/996084	12/22/1997	5859518	12/1/1999	Fairchild Semiconductor Corporation
32	FIELD COUPLED POWER MOSFET BUS ARCHITECTURE USING TRENCH TECHNOLOGY	09/014115	1/27/1998	6396102	5/28/2002	Fairchild Semiconductor Corporation
33	DIFFERENCE CAPTURE TIMER	09/032901	3/2/1998	5925136	7/20/1999	Fairchild Semiconductor Corporation
34	COMPACT LOW DROPOUT VOLTAGE REGULATOR USING ENHANCEMENT AND DEPLETION MODE MOS TRANSISTORS	09/035683	3/5/1998	6005378	12/21/1999	Fairchild Semiconductor Corporation
35	ADVANCED METHODS FOR MAKING SEMICONDUCTOR DEVICES BY LOW TEMPERATURE DIRECT BONDING	09/036815	3/9/1998	6153495	11/28/2000	Fairchild Semiconductor Corporation
36	CONFIGURABLE UNIVERSAL SERIAL BUS NODE	09/040110	3/17/1998	6044428	3/28/2000	Fairchild Semiconductor Corporation
37	WAFER LEVEL DIELECTRIC TEST STRUCTURE AND RELATED METHOD FOR ACCELERATED ENDURANCE TESTING	09/062907	4/20/1998	6060895	9/5/2000	Fairchild Semiconductor Corporation
38	HARDWARE BIT CODER	09/072897	5/5/1998	6043762	3/28/2000	Fairchild Semiconductor Corporation
39	SEMICONDUCTOR SUBSTRATE AND METHOD OF MAKING SAME	09/086654	5/29/1998	6033489	7/3/2000	Fairchild Semiconductor Corporation
40	CIRCUIT AND METHOD FOR PROTECTING FROM OVERCURRENT CONDITIONS AND DETECTING AN OPEN ELECTRICAL LOAD	09/088198	6/1/1998	5920452	6/7/1999	Fairchild Semiconductor Corporation
41	METHODS OF FORMING POWER SEMICONDUCTOR DEVICES HAVING MERGED SPLIT-WELL BODY REGIONS THEREIN	09/092334	6/5/1998	6121089	9/19/2000	Fairchild Semiconductor Corporation
42	TRENCH MOS GATE DEVICE	09/096217	6/11/1998	6368920	9/4/2002	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
43	METHOD FOR DOPING SEMICONDUCTOR MATERIALS	09/105420	6/26/1998	6015459	1/18/2000	Fairchild Semiconductor Corporation
44	SEMICONDUCTOR DEVICE HAVING REDUCED EFFECTIVE SUBSTRATE RESISTIVITY AND ASSOCIATED METHODS	09/107721	6/30/1998	6104062	8/15/2000	Fairchild Semiconductor Corporation
45	HIGH VOLTAGE SEMICONDUCTOR STRUCTURE	09/108962	7/2/1998	6066878	5/23/2000	Fairchild Semiconductor Corporation
46	CONDUCTIVITY ENHANCED MOS-GATED SEMICONDUCTOR DEVICES	09/114769	7/14/1998	6285056	4/9/2001	Fairchild Semiconductor Corporation
47	HIGH PERFORMANCE FLIP CHIP PACKAGE	09/129663	8/5/1998	6133634	10/17/2000	Fairchild Semiconductor Corporation
48	LOW VOLTAGE HIGH SPEED MULTIPLEXER	09/132594	8/11/1998	6137340	10/24/2000	Fairchild Semiconductor Corporation
49	FABRICATION OF CONDUCTIVITY ENHANCED MOS-GATED SEMICONDUCTOR DEVICES	09/133030	8/12/1998	5970343	10/19/1999	Fairchild Semiconductor Corporation
50	OUTPUT BUFFER FOR REDUCING SWITCHING NOISE	09/136246	8/19/1998	6060938	9/5/2000	Fairchild Semiconductor Corporation
51	PROCESSING SYSTEM HAVING VACUUM MANIFOLD ISOLATION	09/138174	8/21/1998	6041817	3/28/2000	Fairchild Semiconductor Corporation
52	HETEROJUNCTION BIPOLAR MIXER CIRCUITRY	09/138581	8/21/1998	6072352	6/6/2000	Fairchild Semiconductor Corporation
53	HETEROJUNCTION BIPOPLAR MIXER CIRCUITRY	09/138582	8/21/1998	6046486	4/4/2000	Fairchild Semiconductor Corporation
54	LOW RESISTANCE PACKAGE FOR SEMICONDUCTOR DEVICES	09/141184	8/27/1998	6423623	7/23/2002	Fairchild Semiconductor Corporation
55	METHOD OF MAKING SHALLOW WELL MOSFET STRUCTURE	09/145513	9/2/1998	6107127	8/22/2000	Fairchild Semiconductor Corporation
56	SPREAD SPECTRUM MODULATION TECHNIQUE FOR FREQUENCY SYNTHESIZERS	09/149770	9/8/1998	6351485	2/26/2002	Fairchild Semiconductor Corporation
57	STEP-UP/STEP-DOWN VOLTAGE REGULATOR USING AN MOS SYNCHRONOUS RECTIFIER	09/158035	9/22/1998	5929615	7/27/1999	Fairchild Semiconductor Corporation
58	DIFFERENTIAL TO SINGLE-ENDED VIDEO CABLE DRIVER	09/165699	10/2/1998	6107887	8/22/2000	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
	HAVING BICMOS CURRENT-MODE OPERATIONAL AMPLIFIER					
59	PROCESS FOR FORMING HIGH VOLTAGE JUNCTION TERMINATION EXTENSION OXIDE	09/167177	10/06/1998	6309952	10/30/2001	Fairchild Semiconductor Corporation
60	POWER MODULE WITH LOWERED INDUCTANCE AND REDUCED VOLTAGE OVERSHOOTS	09/167203	10/6/1998	6069403	5/30/2000	Fairchild Semiconductor Corporation
61	CONTROLLING GAS DISCHARGE LAMP INTENSITY WITH POWER REGULATION AND END OF LIFE PROTECTION	09/168211	10/7/1998	6232727	5/15/2001	Fairchild Semiconductor Corporation
62	PROGRAMMABLE CIRCUIT FOR SENSING COMPUTER POINTING DEVICES TO SINK A DIFFERENT AMOUNT OF CURRENT DEPENDING ON THE REQUIREMENTS OF THE DEVICE	09/182995	10/29/1998	6226696	1/5/2001	Fairchild Semiconductor Corporation
63	SEMICONDUCTOR BILATERAL SWITCH	09/186770	11/5/1998	6424035	7/23/2002	Fairchild Semiconductor Corporation
64	POWER-ON RESET CIRCUIT	09/190308	11/12/1998	6160429	12/12/2000	Fairchild Semiconductor Corporation
65	UNDERSHOOT HARDENED FET SWITCH	09/219403	12/23/1998	5963080	5/10/1999	Fairchild Semiconductor Corporation
66	INTERLEAVED ZERO CURRENT SWITCHING IN A POWER FACTOR CORRECTION BOOST CONVERTER	09/231523	1/14/1999	6091233	7/18/2000	Fairchild Semiconductor Corporation
67	LOAD CURRENT SHARING AND CASCADED POWER SUPPLY MODULES	09/232187	1/14/1999	6166455	12/26/2000	Fairchild Semiconductor Corporation
68	PROGRAMMABLE LOW BATTERY DETECTOR	09/233723	1/8/1999	6373256	4/16/2002	Fairchild Semiconductor Corporation
69	OVERVOLTAGE/UNDERVOLTAGE TOLERANT TRANSFER GATE	09/240544	1/29/1999	6163199	12/19/2000	Fairchild Semiconductor Corporation
70	SEMICONDUCTOR TRENCH MOS DEVICES	09/255092	2/22/1999	6077744	6/20/2000	Fairchild Semiconductor Corporation
71	MOS-GATED DEVICE HAVING A BURIED GATE AND PROCESS FOR FORMING SAME	09/260411	3/1/1999	6351009	2/26/2002	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
72	MONOLITHICALLY INTEGRATED TRENCH MOSFET AND SCHOTTKY DIODE	09/267921	2/26/1999	6351018	2/26/2002	Fairchild Semiconductor Corporation
73	TRENCH TRANSISTOR WITH A SELF-ALIGNED SOURCE	09/282274	3/31/1999	6316806	11/13/2001	Fairchild Semiconductor Corporation
74	HIGH DENSITY MOS-GATED POWER DEVICE AND PROCESS FOR FORMING SAME	09/283531	4/1/1999	6188105	2/13/2001	Fairchild Semiconductor Corporation
75	PROGRAMMABLE MULTI-SCHEME CLOCKING CIRCUIT	09/298686	4/23/1999	6157265	5/12/2000	Fairchild Semiconductor Corporation
76	METHOD AND CIRCUIT FOR PREVENTING OSCILLATIONS IN A BATTERY CHARGER	09/301155	4/28/1999	6104170	8/15/2000	Fairchild Semiconductor Corporation
77	POWER MOS DEVICE WITH INCREASED CHANNEL WIDTH AND PROCESS FOR FORMING SAME	09/303270	4/30/1999	6218701	4/17/2001	Fairchild Semiconductor Corporation
78	MOS-GATED POWER DEVICE HAVING EXTENDED TRENCH AND DOPING ZONE AND PROCESS FOR FORMING SAME	09/314323	5/19/1999	6198127	6/3/2001	Fairchild Semiconductor Corporation
79	TRENCH-GATED DEVICE HAVING TRENCH WALLS FORMED BY SELECTIVE EPITAXIAL GROWTH AND PROCESS FOR FORMING DEVICE	09/318334	5/25/1999	6373098	4/16/2002	Fairchild Semiconductor Corporation
80	BUS HOLD CIRCUIT WITH OVERVOLTAGE TOLERANCE	09/323868	6/1/1999	6150845	11/21/2000	Fairchild Semiconductor Corporation
81	LOW VOLTAGE DUAL-WELL MOS DEVICE HAVING HIGH RUGGEDNESS LOW ON-RESISTANCE AND IMPROVED BODY DIODE REVERSE RECOVERY	09/324553	6/3/1999	6137139	10/24/2000	Fairchild Semiconductor Corporation
82	POWER DEVICE	09/330437	6/11/1999	6078077	6/20/2000	Fairchild Semiconductor Corporation
83	POWER MODULE WITH LOWERED INDUCTANCE AND REDUCED VOLTAGE OVERSHOOTS	09/334098	6/16/1999	6140152	10/31/2000	Fairchild Semiconductor Corporation
84	METHOD AND CIRCUIT FOR PERFORMING AUTOMATIC POWER ON RESET OF AN INTEGRATED CIRCUIT	09/336917	6/21/1999	6473852	10/29/2002	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
85	TRENCH STRUCTURE SUBSTANTIALLY FILLED WITH HIGH-CONDUCTIVITY MATERIAL	09/343330	6/30/1999	6274905	8/14/2001	Fairchild Semiconductor Corporation
86	POWER MEASUREMENT FOR ADAPTIVE BATTERY CHARGER	09/352437	7/13/1999	6144187	7/11/2000	Fairchild Semiconductor Corporation
87	DOUBLY GRADED JUNCTION TERMINATION EXTENSION FOR EDGE PASSIVATION OF SEMICONDUCTOR DEVICES	09/358625	7/21/1999	6215168	10/4/2001	Fairchild Semiconductor Corporation
88	METHOD OF FABRICATING SCHOTTKY DIODE AND RELATED STRUCTURE	09/364232	07/29/1999	6261932	7/17/2001	Fairchild Semiconductor Corporation
89	JITTER CANCELLATION TECHNIQUE FOR VIDEO CLOCK RECOVERY CIRCUITRY	09/390733	9/7/1999	6556249	4/29/2003	Fairchild Semiconductor Corporation
90	ACTIVE UNDERSHOOT HARDENED FET SWITCH	09/412038	10/4/1999	6236259	5/22/2001	Fairchild Semiconductor Corporation
91	METHOD AND APPARATUS FOR RECEIVING VIDEO SIGNALS FROM A PLURALITY OF VIDEO CAMERAS	09/414307	10/6/1999	7065140	6/20/2006	Fairchild Semiconductor Corporation
92	LOSSLESS CURRENT SENSING IN BUCK CONVERTERS WORKING WITH LOW DUTY CYCLES AND HIGH CLOCK FREQUENCIES	09/432916	11/2/1999	6166528	12/26/2000	Fairchild Semiconductor Corporation
93	UNIVERSAL PULSE WIDTH MODULATING POWER CONVERTER	09/436074	11/8/1999	6344980	5/2/2002	Fairchild Semiconductor Corporation
94	METHOD OF INCREASING TRENCH DENSITY FOR SEMICONDUCTOR	09/447933	11/24/1999	6291310	9/18/2001	Fairchild Semiconductor Corporation
95	HYDROGEN ANNEAL FOR CREATING AN ENHANCED TRENCH FOR TRENCH MOSFETS	09/448884	11/24/1999	6825087	11/30/2004	Fairchild Semiconductor Corporation
96	EMITTER BALLAST RESISTOR WITH ENHANCED BODY EFFECT TO IMPROVE THE SHORT CIRCUIT WITHSTAND CAPABILITY OF POWER DEVICES	09/450872	11/29/1999	6437419	8/20/2002	Fairchild Semiconductor Corporation
97	FLIP CHIP IN LEADED MOLDED PACKAGE AND METHOD OF MANUFACTURE THEREOF	09/464885	12/16/1999	6720642	4/13/2004	Fairchild Semiconductor Corporation
98	POWER MOS DEVICE WITH IMPROVED GATE CHARGE PERFORMANCE	09/468269	12/20/1999	6461918	8/10/2002	Fairchild Semiconductor Corporation
99	METHOD OF MAKING A CHIP DEVICE	09/487969	1/18/2000	6762067	7/13/2004	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
100	LOAD SHARE CONTROLLER FOR BALANCING CURRENT BETWEEN MULTIPLE SUPPLY MODULES	09/495826	2/1/2000	6236582	5/22/2001	Fairchild Semiconductor Corporation
101	SEMICONDUCTOR STRUCTURES WITH TRENCH CONTACTS	09/498476	2/4/2000	6437399	8/20/2002	Fairchild Semiconductor Corporation
102	MOS-GATED DEVICES WITH ALTERNATING ZONES OF CONDUCTIVITY	09/502712	2/11/2000	6376878	4/23/2002	Fairchild Semiconductor Corporation
103	MULTIPLE VOLTAGE OUTPUT BUCK CONVERTER WITH A SINGLE INDUCTOR	09/511091	2/23/2000	6222352	4/24/2001	Fairchild Semiconductor Corporation
104	POWER TRENCH TRANSISTOR DEVICE SOURCE REGION FORMATION USING SILICON SPACER	09/525182	3/14/2000	6246090	12/6/2001	Fairchild Semiconductor Corporation
105	POWER DEVICE	09/542561	4/4/2000	6236083	5/22/2001	Fairchild Semiconductor Corporation
106	FLIP CHIP ATTACH AND COPPER CLIP ATTACH ON MOSFET DEVICE	09/548946	4/13/2000	6870254	3/22/2005	Fairchild Semiconductor Corporation
107	SEMICONDUCTOR DEVICE HAVING REDUCED EFFECTIVE SUBSTRATE RESISTIVITY AND ASSOCIATED METHODS	09/551187	4/17/2000	7098108	8/29/2006	Fairchild Semiconductor Corporation
108	SHORT-CIRCUIT CURRENT-LIMIT CIRCUIT	09/566857	5/8/2000	6285177	4/9/2001	Fairchild Semiconductor Corporation
109	METHOD OF MANUFACTURING A TRENCH MOSFET USING SELECTIVE GROWTH EPITAXY	09/586720	6/5/2000	6391699	5/21/2002	Fairchild Semiconductor Corporation
110	VOLTAGE BOOST CIRCUIT WITH LOW POWER SUPPLY VOLTAGE	09/603405	6/26/2000	6356137	12/3/2002	Fairchild Semiconductor Corporation
111	SOFT RECOVERY POWER DIODE AND RELATED METHOD	09/603605	6/26/2000	6737731	5/18/2004	Fairchild Semiconductor Corporation
112	FLIP CHIP SUBSTRATE DESIGN	09/619115	7/19/2000	6661082	9/12/2003	Fairchild Semiconductor Corporation
113	POWER MOS DEVICE WITH BURIED GATE AND GROOVE	09/624533	7/24/2000	6445035	3/9/2002	Fairchild Semiconductor Corporation
114	METHOD FOR CREATING THICK OXIDE ON THE BOTTOM SURFACE OF A TRENCH STRUCTURE IN SILICON	09/640954	8/16/2000	6437386	8/20/2002	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
115	VERTICAL MOSFET WITH ULTRA-LOW RESISTANCE AND LOW GATE CHARGE	09/640955	8/16/2000	6696726	2/24/2004	Fairchild Semiconductor Corporation
116	TRENCH CORNER PROTECTION FOR TRENCH MOSFET	09/642071	8/18/2000	6700158	2/3/2004	Fairchild Semiconductor Corporation
117	POWER SEMICONDUCTOR DEVICE WITH IMPROVED UNCLAMPED INDUCTIVE SWITCHING CAPABILITY AND PROCESS FOR FORMING SAME	09/654845	9/1/2000	7332750	2/19/2008	Fairchild Semiconductor Corporation
118	FET SENSING PROGRAMMABLE ACTIVE DROOP FOR POWER SUPPLIES	09/656499	9/7/2000	6528976	4/3/2003	Fairchild Semiconductor Corporation
119	PROCESS FOR MAKING A NON-VOLATILE MEMORY CELL WITH A POLYSILICON SPACER DEFINED SELECT GATE AND RELATED STRUCTURE	09/657882	9/8/2000	6365449	2/4/2002	Fairchild Semiconductor Corporation
120	LOW VOLTAGE CHARGE PUMP EMPLOYING OPTIMIZED CLOCK AMPLITUDES	09/661485	9/14/2000	6356469	12/3/2002	Fairchild Semiconductor Corporation
121	LOW VOLTAGE CHARGE PUMP EMPLOYING DISTRIBUTED CHARGE BOOSTING	09/662207	9/14/2000	6385065	7/5/2002	Fairchild Semiconductor Corporation
122	MODE SELECT CIRCUIT	09/662367	9/13/2000	6351175	2/26/2002	Fairchild Semiconductor Corporation
123	CONTACT METHOD FOR THIN SILICON CARBIDE EPITAXIAL LAYER AND SEMICONDUCTOR DEVICES FORMED BY THOSE METHODS	09/682151	7/27/2001	7132701	7/11/2006	Fairchild Semiconductor Corporation
124	MOS-GATED POWER DEVICE HAVING SEGMENTED TRENCH AND EXTENDED DOPING ZONE AND PROCESS FOR FORMING SAME	09/689939	10/12/2000	6433385	8/13/2002	Fairchild Semiconductor Corporation
125	TECHNIQUE TO STABILIZE THE CHROMINANCE SUBCARRIER GENERATION IN A LINE-LOCKED DIGITAL VIDEO SYSTEM	09/703517	10/31/2000	6741289	5/25/2004	Fairchild Semiconductor Corporation
126	FET SWITCH WITH OVERVOLTAGE PROTECTION	09/713587	11/15/2000	6538867	3/25/2003	Fairchild Semiconductor Corporation
127	METHOD AND APPARATUS FOR IMPLEMENTING IMPROVED PULSE WIDTH MODULATION	09/724706	11/28/2000	6342822	1/29/2002	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
128	FLIP CHIP IN LEADED MOLDED PACKAGE WITH TWO DIES	09/730932	12/4/2000	6798044	9/28/2004	Fairchild Semiconductor Corporation
129	MOS-GATED POWER DEVICE WITH DOPED POLYSILICON BODY AND PROCESS FOR FORMING SAME	09/731169	12/6/2000	6365942	2/4/2002	Fairchild Semiconductor Corporation
130	TRANSLATING SWITCH CIRCUIT WITH DISABLING OPTION	09/737977	12/15/2000	6433613	8/13/2002	Fairchild Semiconductor Corporation
131	COMPARATOR CIRCUIT	09/759817	1/10/2001	6373328	4/16/2002	Fairchild Semiconductor Corporation
132	LOW VOLTAGE DUAL-WELL TRENCH MOS DEVICE	09/767092	1/22/2001	6552391	4/22/2003	Fairchild Semiconductor Corporation
133	FIELD EFFECT TRANSISTOR HAVING A LATERAL DEPLETION STRUCTURE	09/774780	1/30/2001	6713813	3/30/2004	Fairchild Semiconductor Corporation
134	HIGH FREQUENCY MOSFET SWITCH	09/780199	2/9/2001	6396325	5/28/2002	Fairchild Semiconductor Corporation
135	SEMICONDUCTOR DEVICE INCLUDING STACKED DIES MOUNTED ON A LEADFRAME	09/805597	3/12/2001	6777786	8/17/2004	Fairchild Semiconductor Corporation
136	EDGE TERMINATION FOR SILICON POWER DEVICES	09/815672	3/23/2001	6362026	3/26/2002	Fairchild Semiconductor Corporation
137	PACKAGING SYSTEM FOR DIE-UP CONNECTION OF A DIE-DOWN ORIENTED INTEGRATED CIRCUIT	09/823600	3/30/2001	6891257	10/5/2005	Fairchild Semiconductor Corporation
138	TRENCH TRANSISTOR WITH SELF-ALIGNED SOURCE	09/839523	4/20/2001	6583010	6/24/2003	Fairchild Semiconductor Corporation
139	POWER MOSFET AND METHOD FOR FORMING SAME USING A SELF-ALIGNED BODY IMPLANT	09/844347	4/27/2001	6921939	7/26/2005	Fairchild Semiconductor Corporation
140	CARRIER WITH METAL BUMPS FOR SEMICONDUCTOR DIE PACKAGES	09/855820	5/14/2001	6893901	5/17/2005	Fairchild Semiconductor Corporation
141	POWER CHIP SCALE PACKAGE	09/858811	5/15/2001	6646329	11/11/2003	Fairchild Semiconductor Corporation
142	SYSTEM AND METHOD FOR SYNCHRONIZING MULTIPLE PHASE-LOCK LOOPS OR OTHER SYNCHRONIZABLE OSCILLATORS WITHOUT USING A MASTER CLOCK SIGNAL	09/860099	5/17/2001	6538516	3/25/2003	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
143	DIFFERENTIAL CURRENT MODE GAIN STAGE AND METHODS OF USING THE SAME	09/863574	5/23/2001	6469578	10/22/2002	Fairchild Semiconductor Corporation
144	BI-DIRECTIONAL OPTICAL COUPLER	09/865282	5/25/2001	6556750	4/29/2003	Fairchild Semiconductor Corporation
145	SEMICONDUCTOR DIE INCLUDING CONDUCTIVE COLUMNS	09/881787	6/15/2001	6683375	1/27/2004	Fairchild Semiconductor Corporation
146	AUXILIARY CIRCUITRY FOR MONOLITHIC MICROWAVE INTEGRATED CIRCUIT	09/897749	7/2/2001	6424224	7/23/2002	Fairchild Semiconductor Corporation
147	TRENCH STRUCTURE FOR SEMICONDUCTOR DEVICES	09/898133	7/3/2001	6683363	1/27/2004	Fairchild Semiconductor Corporation
148	SYSTEMS FOR RAIL-TO-RAIL DYNAMICALLY CONTROLLED AMPLIFIERS AND INPUT STAGES	09/925212	8/8/2001	6509794	1/21/2003	Fairchild Semiconductor Corporation
149	TRENCH ETCH WITH INCREMENTAL OXYGEN FLOW	09/956568	9/19/2001	6680232	1/20/2004	Fairchild Semiconductor Corporation
150	SEMICONDUCTOR DEVICE INCLUDING MOLDED WIRELESS EXPOSED DRAIN PACKAGING	09/963049	9/24/2001	6989588	1/24/2006	Fairchild Semiconductor Corporation
151	UNIVERSAL PULSE WIDTH MODULATING POWER CONVERTER	09/971844	10/04/2001	6469914	10/22/2002	Fairchild Semiconductor Corporation
152	SEMICONDUCTOR STRUCTURE WITH IMPROVED SMALLER FORWARD VOLTAGE LOSS AND HIGHER BLOCKING CAPABILITY	09/981583	10/17/2001	6677641	1/13/2004	Fairchild Semiconductor Corporation
153	TRENCH MOSFET WITH LOW GATE CHARGE	09/992629	11/6/2001	6573569	3/6/2003	Fairchild Semiconductor Corporation
154	TRENCH MOSFET WITH REDUCED MILLER CAPACITANCE	09/993145	11/6/2001	6573560	3/6/2003	Fairchild Semiconductor Corporation
155	RADIO FREQUENCY (RF) POWER DEVICES HAVING FARADAY SHIELD LAYERS THEREIN	09/993412	11/5/2001	6653691	11/25/2003	Fairchild Semiconductor Corporation
156	OVER-VOLTAGE PROTECTION CIRCUIT	10/027708	12/19/2001	6731486	4/5/2004	Fairchild Semiconductor Corporation
157	UNIFORM CONTACT	10/029101	12/20/2001	6955978	10/18/2005	Fairchild Semiconductor Corporation
158	MOS-GATED DEVICE HAVING A BURIED GATE AND PROCESS FOR FORMING SAME	10/039319	11/9/2001	6916712	12/7/2005	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
159	SEMICONDUCTOR DIE PACKAGE WITH IMPROVED THERMAL AND ELECTRICAL PERFORMANCE	10/050428	1/15/2002	6566749	5/20/2003	Fairchild Semiconductor Corporation
160	THICK BUFFER REGION DESIGN TO IMPROVE IGBT SELF-CLAMPED INDUCTIVE SWITCHING (SCIS) ENERGY DENSITY AND DEVICE MANUFACTURABILITY	10/050976	1/18/2002	6777747	8/17/2004	Fairchild Semiconductor Corporation
161	SELF-ALIGNED TRENCH MOSFETS AND METHODS FOR MAKING THE SAME	10/052234	1/16/2002	7078296	7/18/2006	Fairchild Semiconductor Corporation
162	IGBT WITH CHANNEL RESISTORS	10/055211	1/23/2002	6798019	9/28/2004	Fairchild Semiconductor Corporation
163	METHOD OF FORMING A TRENCH TRANSISTOR HAVING A SUPERIOR GATE DIELECTRIC	10/077258	2/14/2002	6927134	9/8/2005	Fairchild Semiconductor Corporation
164	PROCESS FOR DEPOSITING AND PLANARIZING BPSG FOR DENSE TRENCH MOSFET APPLICATION	10/082944	2/26/2002	6465325	10/15/2002	Fairchild Semiconductor Corporation
165	ULTRA DENSE TRENCH-GATED POWER DEVICE WITH THE REDUCED DRAIN-SOURCE FEEDBACK CAPACITANCE AND MILLER CHARGE	10/092692	3/7/2002	6683346	1/27/2004	Fairchild Semiconductor Corporation
166	FIELD COUPLED POWER MOSFET BUS ARCHITECTURE USING TRENCH TECHNOLOGY	10/105721	3/25/2002	6673680	6/1/2004	Fairchild Semiconductor Corporation
167	CURRENT SHUTDOWN CIRCUIT FOR ACTIVE BIAS CIRCUIT HAVING PROCESS VARIATION COMPENSATION	10/135719	4/30/2002	6600301	7/29/2003	Fairchild Semiconductor Corporation
168	LOW VOLTAGE HIGH DENSITY TRENCH-GATED POWER DEVICE WITH UNIFORMLY DOPED CHANNEL AND ITS EDGE TERMINATION TECHNIQUE	10/138913	5/3/2002	6784505	8/31/2004	Fairchild Semiconductor Corporation
169	BANDGAP REFERENCE CIRCUIT	10/143065	5/9/2002	6853164	8/2/2005	Fairchild Semiconductor Corporation
170	FIELD EFFECT TRANSISTOR AND METHOD OF ITS MANUFACTURE	10/155554	5/24/2002	6710406	3/23/2004	Fairchild Semiconductor Corporation
171	PROCESS FOR FORMING MOS-GATED POWER DEVICE HAVING SEGMENTED TRENCH AND EXTENDED DOPING ZONE	10/174641	6/19/2002	6673681	6/1/2004	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
172	METHOD FOR CREATING THICK OXIDE ON THE BOTTOM SURFACE OF A TRENCH STRUCTURE IN SILICON	10/177783	6/19/2002	6861296	1/3/2005	Fairchild Semiconductor Corporation
173	SEMICONDUCTOR STRUCTURES WITH TRENCH CONTACTS	10/187560	7/2/2002	6630711	7/10/2003	Fairchild Semiconductor Corporation
174	POWER MOS DEVICE WITH BURIED GATE	10/195984	7/16/2002	6638826	10/28/2003	Fairchild Semiconductor Corporation
175	HIGHLY EFFICIENT STEP-DOWN/STEP-UP AND STEP-UP/STEP-DOWN CHARGE PUMP	10/196790	7/16/2002	6657875	2/12/2003	Fairchild Semiconductor Corporation
176	VERTICAL CHARGE CONTROL SEMICONDUCTOR DEVICE	10/200056	7/18/2002	6803626	12/10/2004	Fairchild Semiconductor Corporation
177	ACTIVE POWER/GROUND ESD TRIGGER	10/207625	7/29/2002	7079369	7/18/2006	Fairchild Semiconductor Corporation
178	CAPACITIVELY COUPLED CURRENT BOOST CIRCUITRY FOR INTEGRATED VOLTAGE REGULATOR	10/208951	7/31/2002	6894553	5/17/2005	Fairchild Semiconductor Corporation
179	DUAL TRENCH POWER MOSFET	10/209110	7/30/2002	6710403	3/23/2004	Fairchild Semiconductor Corporation
180	PACKAGED SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURE USING SHAPED DIE	10/210515	7/31/2002	7084488	1/8/2006	Fairchild Semiconductor Corporation
181	METHOD AND CIRCUIT FOR REDUCING LOSSES IN DC-DC CONVERTERS	10/222481	8/16/2002	6930473	8/16/2005	Fairchild Semiconductor Corporation
182	HIGH EFFICIENCY LED DRIVER	10/229602	8/27/2002	6690146	10/2/2004	Fairchild Semiconductor Corporation
183	SUBSTRATE BASED UNMOLDED PACKAGE INCLUDING LEAD FRAME STRUCTURE AND SEMICONDUCTOR DIE	10/233248	8/30/2002	7061077	6/13/2006	Fairchild Semiconductor Corporation
184	UNMOLDED PACKAGE FOR A SEMICONDUCTOR DEVICE	10/235249	9/4/2002	6740541	5/25/2004	Fairchild Semiconductor Corporation
185	TERMINATION STRUCTURE INCORPORATING INSULATOR IN A TRENCH	10/247461	9/19/2002	6825510	11/30/2004	Fairchild Semiconductor Corporation
186	BURIED GATE-FIELD TERMINATION STRUCTURE	10/247464	9/19/2002	6818947	11/16/2004	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
187	SEMICONDUCTOR DIE PACKAGE INCLUDING DRAIN CLIP	10/262170	9/30/2002	6777800	8/17/2004	Fairchild Semiconductor Corporation
188	TRENCH GATE LATERALLY DIFFUSED MOSFET DEVICES AND METHODS FOR MAKING SUCH DEVICES	10/269126	10/3/2002	7033891	4/25/2006	Fairchild Semiconductor Corporation
189	SCHOTTKY RECTIFIER WITH INSULATION-FILLED TRENCHES AND METHOD OF FORMING THE SAME	10/269244	10/11/2002	6710418	3/23/2004	Fairchild Semiconductor Corporation
190	THIN THERMALLY ENHANCED FLIP CHIP IN A LEADED MOLDED PACKAGE	10/271654	10/15/2002	6891256	10/5/2005	Fairchild Semiconductor Corporation
191	QUICK PUNCH THROUGH IGBT HAVING GATE-CONTROLLABLE DI/DT AND REDUCED EMI DURING INDUCTIVE TURN OFF	10/278224	10/22/2002	6831329	12/14/2004	Fairchild Semiconductor Corporation
192	TRIGGERING OF AN ESD NMOS THROUGH THE USE OF AN N-TYPE BURIED LAYER	10/280313	10/25/2002	6855964	2/15/2005	Fairchild Semiconductor Corporation
193	TRENCH STRUCTURE HAVING ONE OR MORE DIODES EMBEDDED THEREIN ADJACENT A PN JUNCTION	10/288982	11/5/2002	7132712	7/11/2006	Fairchild Semiconductor Corporation
194	FAILSAFE DIFFERENTIAL AMPLIFIER CIRCUIT	10/292119	11/12/2002	6781456	8/24/2004	Fairchild Semiconductor Corporation
195	DYNAMICALLY CONTROLLED AMPLIFIER	10/301375	11/20/2002	6784733	8/31/2004	Fairchild Semiconductor Corporation
196	ACTIVE VOLTAGE LEVEL BUS SWITCH (OR PASS GATE) TRANSLATOR	10/301465	11/21/2002	6781415	8/24/2004	Fairchild Semiconductor Corporation
197	INTEGRATED CIRCUIT STRUCTURE WITH IMPROVED LDMOS DESIGN	10/315517	12/10/2002	6870218	3/22/2005	Fairchild Semiconductor Corporation
198	METHOD OF ISOLATING THE CURRENT SENSE ON POWER DEVICES WHILE MAINTAINING A CONTINUOUS STRIPE CELL	10/315719	12/10/2002	6906362	6/14/2005	Fairchild Semiconductor Corporation
199	MULTICHIP MODULE INCLUDING SUBSTRATE WITH AN ARRAY OF INTERCONNECT STRUCTURES	10/330741	12/26/2002	6806580	10/19/2004	Fairchild Semiconductor Corporation
200	SEMICONDUCTOR DIE PACKAGE WITH SEMICONDUCTOR DIE HAVING SIDE ELECTRICAL CONNECTION	10/346682	1/17/2003	6830959	12/14/2004	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
201	FLYBACK CONVERTER	10/346807	1/17/2003	6845019	1/18/2005	Fairchild Semiconductor Corporation
202	METHOD OF MANUFACTURING A TRENCH TRANSISTOR HAVING A HEAVY BODY REGION	10/347254	1/17/2003	6828195	7/12/2004	Fairchild Semiconductor Corporation
203	HIGH VALUE SPLIT POLY P-RESISTOR WITH LOW STANDARD DEVIATION	10/355317	1/31/2003	6885280	4/26/2005	Fairchild Semiconductor Corporation
204	METHOD AND STRUCTURE FOR BICMOS ISOLATED NMOS TRANSISTOR	10/368253	2/18/2003	6927460	9/8/2005	Fairchild Semiconductor Corporation
205	SOFT START TECHNIQUES FOR CONTROL LOOPS THAT REGULATE DC/DC CONVERTERS	10/370047	2/18/2003	6933710	8/23/2005	Fairchild Semiconductor Corporation
206	DUAL METAL STUD BUMPING FOR FLIP CHIP APPLICATIONS	10/386211	3/10/2003	7271497	9/18/2007	Fairchild Semiconductor Corporation
207	QUASI SELF-ALIGNED SINGLE POLYSILICON BIPOLAR ACTIVE DEVICE WITH INTENTIONAL EMITTER WINDOW UNDERCUT	10/395460	3/24/2003	6972472	6/12/2005	Fairchild Semiconductor Corporation
208	SINGLE POLYSILICON EMITTER BIPOLAR JUNCTION TRANSISTOR PROCESSING TECHNIQUE USING CUMULATIVE PHOTO RESIST APPLICATION AND PATTERNING	10/395499	03/24/2003	7018778	3/28/2006	Fairchild Semiconductor Corporation
209	PACKAGING SYSTEM FOR SEMICONDUCTOR DEVICES	10/397436	3/25/2003	7323361	1/29/2008	Fairchild Semiconductor Corporation
210	SWITCHABLE AMPLIFIER CIRCUIT HAVING REDUCED SHUTDOWN CURRENT	10/406334	4/3/2003	6803821	12/10/2004	Fairchild Semiconductor Corporation
211	POWER CIRCUITRY WITH A THERMIONIC COOLING SYSTEM	10/408471	4/7/2003	6809417	10/26/2004	Fairchild Semiconductor Corporation
212	LEAD FRAME STRUCTURE WITH APERTURE OR GROOVE FOR FLIP CHIP IN A LEADED MOLDED PACKAGE	10/411688	4/11/2003	6867481	3/15/2005	Fairchild Semiconductor Corporation
213	PLL FOR CLOCK RECOVERY WITH INITIALIZATION SEQUENCE	10/412448	4/11/2003	6794945	9/21/2004	Fairchild Semiconductor Corporation
214	ROBUST LEADED MOLDED PACKAGES AND METHODS FOR FORMING THE SAME	10/413668	4/14/2003	7122884	10/17/2006	Fairchild Semiconductor Corporation
215	STRUCTURE OF INTEGRATED TRACE OF CHIP PACKAGE	10/413796	4/14/2003	6836023	12/28/2004	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
216	ESD PROTECTION FOR SEMICONDUCTOR PRODUCTS	10/438349	5/14/2003	6873017	3/29/2005	Fairchild Semiconductor Corporation
217	STRUCTURE AND METHOD FOR FORMING A TRENCH MOSFET HAVING SELF-ALIGNED FEATURES	10/442670	5/20/2003	6916745	12/7/2005	Fairchild Semiconductor Corporation
218	COMMON MODE BIAS CONTROL LOOP FOR OUTPUT STAGES	10/447629	5/28/2003	6933785	8/23/2005	Fairchild Semiconductor Corporation
219	BUS HOLD CIRCUIT WITH POWER-DOWN AND OVER-VOLTAGE TOLERANCE	10/602798	6/24/2003	6774675	10/8/2004	Fairchild Semiconductor Corporation
220	FLIP CHIP IN LEADED MOLDED PACKAGE AND METHOD OF MANUFACTURE THEREOF	10/607633	6/27/2003	6949410	9/27/2005	Fairchild Semiconductor Corporation
221	DENSE TRENCH MOSFET WITH DECREASED ETCH SENSITIVITY TO DEPOSITION AND ETCH PROCESSING	10/618067	7/11/2003	7436021	10/14/2008	Fairchild Semiconductor Corporation
222	FIELD EFFECT TRANSISTOR AND METHOD OF ITS MANUFACTURE	10/630249	7/30/2003	7511339	3/31/2009	Fairchild Semiconductor Corporation
223	METHOD AND APPARATUS FOR IMPROVED MOS GATING TO REDUCE MILLER CAPACITANCE AND SWITCHING LOSSES	10/640742	8/14/2003	6870220	3/22/2005	Fairchild Semiconductor Corporation
224	RFID TAG WIDE BANDWIDTH LOGARITHMIC SPIRAL ANTENNA METHOD AND SYSTEM	10/665166	9/18/2003	6963317	8/11/2005	Fairchild Semiconductor Corporation
225	METHOD FOR MAINTAINING SOLDER THICKNESS IN FLIPCHIP ATTACH PACKAGING PROCESSES	10/678010	10/2/2003	6943434	9/13/2005	Fairchild Semiconductor Corporation
226	CHARGE PUMPING SYSTEM AND METHOD	10/678678	10/3/2003	6920055	7/19/2005	Fairchild Semiconductor Corporation
227	SEMICONDUCTOR DEVICES CONTAINING ON-CHIP CURRENT SENSOR AND METHODS FOR MAKING SUCH DEVICES	10/682107	10/9/2003	7199435	3/4/2007	Fairchild Semiconductor Corporation
228	VOLTAGE DIVIDER FIELD PLATE TERMINATION WITH UNEQUAL FIXED BIASING	10/682323	10/9/2003	7230313	12/6/2007	Fairchild Semiconductor Corporation
229	CURRENT INTEGRATING SENSE AMPLIFIER FOR MEMORY MODULES IN RFID	10/685371	10/14/2003	6813209	2/11/2004	Fairchild Semiconductor Corporation
230	METHOD OF AND APPARATUS FOR DRIVING A DUAL GATED MOSFET	10/686859	10/16/2003	6870217	3/22/2005	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
231	ZERO-VOLTAGE-SWITCHING SINGLE-SWITCHED RESONANT DC LINK WITH MINIMIZED CONDUCTION LOSS	10/691734	10/22/2003	7142439	11/28/2006	Fairchild Semiconductor Corporation
232	FLIP CHIP IN LEADED MOLDED PACKAGE AND METHOD OF MANUFACTURE THEREOF	10/702792	11/5/2003	7154168	12/26/2006	Fairchild Semiconductor Corporation
233	BAND-GAP REFERENCE CIRCUIT WITH HIGH POWER SUPPLY RIPPLE REJECTION RATIO	10/718443	11/19/2003	6975101	12/13/2005	Fairchild Semiconductor Corporation
234	POWER CONVERTER HAVING IMPROVED CONTROL	10/719505	11/21/2003	7057907	6/6/2006	Fairchild Semiconductor Corporation
235	FAILSAFE FOR DIFFERENTIAL CIRCUIT BASED ON CURRENT SENSE SCHEME	10/720568	11/24/2003	6927599	9/8/2005	Fairchild Semiconductor Corporation
236	DIGITAL CONTROL OF SWITCHING VOLTAGE REGULATORS	10/725699	12/1/2003	7498786	3/3/2009	Fairchild Semiconductor Corporation
237	DIGITAL LOOP FOR REGULATING DC/DC CONVERTER WITH SEGMENTED SWITCHING	10/726723	12/3/2003	6995995	7/2/2006	Fairchild Semiconductor Corporation
238	INTEGRATED FUEL CELL POWER CONDITIONING WITH ADDED FUNCTIONAL CONTROL	10/729626	12/5/2003	7141325	11/28/2006	Fairchild Semiconductor Corporation
239	SYSTEM AND METHOD FOR DRIVING LEDS	10/729729	12/5/2003	7116086	3/10/2006	Fairchild Semiconductor Corporation
240	METHOD OF FORMING A FIELD EFFECT TRANSISTOR HAVING A LATERAL DEPLETION STRUCTURE	10/741464	12/18/2003	6818513	11/16/2004	Fairchild Semiconductor Corporation
241	UNMOLDED PACKAGE FOR A SEMICONDUCTOR DEVICE	10/754095	12/29/2003	6953998	11/10/2005	Fairchild Semiconductor Corporation
242	FULL DIGITAL DIMMING BALLAST FOR A FLUORESCENT LAMP	10/758520	1/15/2004	7098605	8/29/2006	Fairchild Semiconductor Corporation
243	LOW DROPOUT REGULATOR USING GATE MODULATED DIODE	10/774581	2/9/2004	6956429	10/18/2005	Fairchild Semiconductor Corporation
244	CIRCUIT TO LINEARIZE GAIN OF A VOLTAGE CONTROLLED OSCILLATOR OVER WIDE FREQUENCY RANGE	10/779891	2/17/2004	7030669	4/18/2006	Fairchild Semiconductor Corporation
245	CIRCUITRY TO REDUCE PLL LOCK ACQUISITION TIME	10/780493	2/17/2004	6940356	6/9/2005	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
246	NO LOAD TO HIGH LOAD RECOVERY TIME IN ULTRAPORTABLE DC-DC CONVERTERS	10/793960	3/4/2004	7385379	10/6/2008	Fairchild Semiconductor Corporation
247	LOW VOLTAGE HIGH DENSITY TRENCH-GATED POWER DEVICE WITH UNIFORMITY DOPED CHANNEL AND ITS EDGE TERMINATION TECHNIQUE	10/795723	3/5/2004	6946348	9/20/2005	Fairchild Semiconductor Corporation
248	CARRIER WITH METAL BUMPS FOR SEMICONDUCTOR DIE PACKAGES	10/799895	3/11/2004	7023077	4/4/2006	Fairchild Semiconductor Corporation
249	RESONANT LOSSLESS CIRCUIT FOR PROVIDING A LOW OPERATING VOLTAGE IN POWER CONVERTER	10/803303	3/18/2004	7239531	3/7/2007	Fairchild Semiconductor Corporation
250	SURFACE MOUNT MULTI-CHANNEL OPTOCOUPLER	10/817195	4/2/2004	7196313	3/27/2007	Fairchild Semiconductor Corporation
251	SCHOTTKY DIODE USING CHARGE BALANCE STRUCTURE	10/821796	4/9/2004	7061066	6/13/2006	Fairchild Semiconductor Corporation
252	SENDING AND/OR RECEIVING SERIAL DATA WITH BIT TIMING AND PARALLEL DATA CONVERSION	10/824747	4/15/2004	7064690	6/20/2006	Fairchild Semiconductor Corporation
253	VOLTAGE DETECTOR CIRCUIT WITH A PROGRAMMABLE THRESHOLD POINT	10/827013	4/19/2004	6885215	4/26/2005	Fairchild Semiconductor Corporation
254	FLIP CHIP IN LEADED MOLDED PACKAGE WITH TWO DIES	10/834752	4/28/2004	7029947	4/18/2006	Fairchild Semiconductor Corporation
255	SUBSTRATE BASED UNMOLDED PACKAGE	10/841656	5/6/2004	7439613	10/21/2008	Fairchild Semiconductor Corporation
256	CONTROL CIRCUIT WITH TRACKING TURN ON/OFF DELAY FOR A SINGLE-ENDED FORWARD CONVERTER WITH SYNCHRONOUS RECTIFICATION	10/844167	5/12/2004	7113413	9/26/2006	Fairchild Semiconductor Corporation
257	PACKAGED INTEGRATED CIRCUIT WITH MLP LEADFRAME AND METHOD OF MAKING SAME	10/847955	5/18/2004	7242076	10/7/2007	Fairchild Semiconductor Corporation
258	SEMICONDUCTOR DEVICE HAVING A SPACER LAYER DOPED WITH SLOWER DIFFUSING ATOMS THAN SUBSTRATE	10/851764	5/21/2004	7132715	7/11/2006	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
259	INTEGRATED TRANSISTOR MODULE AND METHOD OF FABRICATING SAME	10/876248	6/24/2004	7501702	10/3/2009	Fairchild Semiconductor Corporation
260	METHOD FOR FORMING SEMICONDUCTOR DEVICE INCLUDING STACKED DIES	10/888769	7/8/2004	7071033	4/7/2006	Fairchild Semiconductor Corporation
261	ASYMMETRIC HETERO-DOPED HIGH-VOLTAGE MOSFET (AH2MOS)	10/893519	7/15/2004	7125777	10/24/2006	Fairchild Semiconductor Corporation
262	SCHOTTKY DIODE STRUCTURE TO REDUCE CAPACITANCE AND SWITCHING LOSSES AND METHOD OF MAKING SAME	10/893764	7/15/2004	7199442	3/4/2007	Fairchild Semiconductor Corporation
263	HIGH VOLTAGE INTEGRATED CIRCUIT DRIVER WITH A HIGH VOLTAGE PMOS BOOTSTRAP DIODE EMULATOR	10/895568	7/21/2004	7106105	12/9/2006	Fairchild Semiconductor Corporation
264	CLOSE-LOOP PWM CONTROLLER FOR PRIMARY-SIDE CONTROLLED POWER CONVERTERS	10/917106	8/12/2004	7016204	3/21/2006	Fairchild Semiconductor Corporation
265	CIRCUIT AND METHOD FOR LOWERING INSERTION LOSS AND INCREASING BANDWIDTH IN MOSFET SWITCHES	10/920882	8/18/2004	7095266	8/22/2006	Fairchild Semiconductor Corporation
266	METHOD OF MANUFACTURING A TRENCH TRANSISTOR HAVING A HEAVY BODY REGION	10/927788	8/27/2004	7148111	12/12/2006	Fairchild Semiconductor Corporation
267	VERTICAL CHARGE CONTROL SEMICONDUCTOR DEVICE WITH LOW OUTPUT CAPACITANCE	10/931887	8/31/2004	7291894	6/11/2007	Fairchild Semiconductor Corporation
268	SWITCHING CONTROL CIRCUIT WITH VARIABLE SWITCHING FREQUENCY FOR PRIMARY-SIDE-CONTROLLED POWER CONVERTERS	10/938463	9/9/2004	7061780	6/13/2006	Fairchild Semiconductor Corporation
269	ENHANCED RESURF HVPMOS DEVICE WITH STACKED HETERO-DOPING RIM AND GRADUAL DRIFT REGION	10/942318	9/16/2004	7180132	2/20/2007	Fairchild Semiconductor Corporation
270	SWITCHING CONTROL CIRCUIT HAVING OFF-TIME MODULATION TO IMPROVE EFFICIENCY OF PRIMARY-SIDE CONTROLLED POWER SUPPLY	10/943668	9/16/2004	7362593	4/22/2008	Fairchild Semiconductor Corporation
271	CROSSPOINT SWITCH WITH SERIALIZER AND DESERIALIZER FUNCTIONS	10/947573	9/22/2004	6980031	12/27/2005	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
272	TRENCH-GATE LDMOS STRUCTURES	10/951259	9/26/2004	7576388	8/18/2009	Fairchild Semiconductor Corporation
273	PRIMARY-SIDE-CONTROL POWER CONVERTER HAVING A SWITCHING CONTROLLER USING FREQUENCY HOPPING AND VOLTAGE AND CURRENT CONTROL LOOPS	10/959188	10/7/2004	7259972	8/21/2007	Fairchild Semiconductor Corporation
274	MOS-GATED TRANSISTOR WITH REDUCED MILLER CAPACITANCE	10/962367	10/8/2004	7265415	4/9/2007	Fairchild Semiconductor Corporation
275	VOLTAGE DETECTION CIRCUIT WITH HYSTERESIS FOR LOW POWER PORTABLE PRODUCTS	10/965300	10/14/2004	7378886	5/27/2008	Fairchild Semiconductor Corporation
276	METHOD OF FORMING A FET HAVING ULTRA-LOW ON-RESISTANCE AND LOW GATE CHARGE	10/997818	11/24/2004	7745289	6/29/2010	Fairchild Semiconductor Corporation
277	HIGH-VOLTAGE DIODES FORMED IN ADVANCED POWER INTEGRATED CIRCUIT DEVICES	11/005755	12/7/2004	7045830	5/16/2006	Fairchild Semiconductor Corporation
278	CURRENT CONTROLLED GATE DRIVER FOR POWER SWITCHES	11/006345	12/7/2004	7449868	11/11/2008	Fairchild Semiconductor Corporation
279	MULTI-MODE POWER AMPLIFIER	11/016397	12/17/2004	7157966	2/1/2007	Fairchild Semiconductor Corporation
280	HIGH VALUE SPLIT POLY P-RESISTOR WITH LOW STANDARD DEVIATION	11/018041	12/21/2004	7078305	7/18/2006	Fairchild Semiconductor Corporation
281	MULTIPLE-SAMPLING CIRCUIT FOR MEASURING REFLECTED VOLTAGE AND DISCHARGE TIME OF A TRANSFORMER	11/022167	12/21/2004	7151681	12/19/2006	Fairchild Semiconductor Corporation
282	POWER SEMICONDUCTOR DEVICES AND METHODS OF MANUFACTURE	11/026276	12/29/2004	7345342	3/18/2008	Fairchild Semiconductor Corporation
283	THIN THERMALLY ENHANCED MOLDED PACKAGE WITH LEADFRAME HAVING PROTRUDING REGION	11/048314	1/31/2005	7332806	2/19/2008	Fairchild Semiconductor Corporation
284	LEAD FRAME STRUCTURE WITH APERTURE OR GROOVE FOR FLIP CHIP IN A LEADED MOLDED PACKAGE	11/051061	2/4/2005	7081666	7/25/2006	Fairchild Semiconductor Corporation
285	FLIP CHIP ATTACH AND COPPER CLIP ATTACH ON MOSFET DEVICE	11/051413	2/4/2005	7052938	5/30/2006	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
286	METHOD FOR IMPROVED MOS GATING TO REDUCE MILLER CAPACITANCE AND SWITCHING LOSSES	11/052258	2/7/2005	7005353	2/28/2006	Fairchild Semiconductor Corporation
287	METHOD OF DRIVING A DUAL GATED MOSFET	11/052264	2/7/2005	7195979	3/27/2007	Fairchild Semiconductor Corporation
288	ESD PROTECTION FOR SEMICONDUCTOR PRODUCTS	11/054189	2/9/2005	7682918	3/23/2010	Fairchild Semiconductor Corporation
289	INTEGRATED CIRCUIT STRUCTURE WITH IMPROVED LDMOS DESIGN	11/069900	3/1/2005	7220646	5/22/2007	Fairchild Semiconductor Corporation
290	TERMINAL FOR MULTIPLE FUNCTIONS IN A POWER SUPPLY	11/083474	3/18/2005	7339359	4/3/2008	Fairchild Semiconductor Corporation
291	METHOD AND DEVICE WITH DURABLE CONTACT ON SILICON CARBIDE	11/083560	3/18/2005	7411218	12/8/2008	Fairchild Semiconductor Corporation
292	SINGLE-STAGE DIGITAL POWER CONVERTER FOR DRIVING LEDS	11/086955	03/22/2005	7378805	5/27/2008	Fairchild Semiconductor Corporation
293	TECHNIQUE TO STABILIZE THE CHROMINANCE SUBCARRIER GENERATION IN A LINE-LOCKED DIGITAL VIDEO SYSTEM	11/090671	3/25/2005	RE41399	6/29/2010	Fairchild Semiconductor Corporation
294	MOS-GATED DEVICE HAVING A BURIED GATE AND PROCESS FOR FORMING SAME	11/091733	3/28/2005	7388254	6/17/2008	Fairchild Semiconductor Corporation
295	MONOLITHICALLY-INTEGRATED BUCK CONVERTER	11/108346	4/18/2005	7566931	7/28/2009	Fairchild Semiconductor Corporation
296	METHOD FOR FORMING A TRENCH MOSFET HAVING SELF-ALIGNED FEATURES	11/111305	4/20/2005	7344943	3/18/2008	Fairchild Semiconductor Corporation
297	TRENCH GATE FETS WITH REDUCED GATE TO DRAIN CHARGE	11/116106	4/26/2005	7382019	3/6/2008	Fairchild Semiconductor Corporation
298	METHOD OF ISOLATING THE CURRENT SENSE ON POWER DEVICES WHILE MAINTAINING A CONTINUOUS STRIPE CELL	11/130794	5/17/2005	7118951	10/10/2006	Fairchild Semiconductor Corporation
299	ACCUMULATION DEVICE WITH CHARGE BALANCE STRUCTURE AND METHOD OF FORMING THE SAME	11/140249	5/26/2005	7368777	6/5/2008	Fairchild Semiconductor Corporation
300	STRUCTURE AND METHOD FOR FORMING A MINIMUM PITCH TRENCH-GATE FET WITH HEAVY BODY REGION	11/140567	5/26/2005	7553740	6/30/2009	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
301	STRUCTURE AND METHOD FOR FORMING Laterally Extending Dielectric Layer in a Trench-Gate FET	11/166356	6/24/2005	7648877	1/19/2010	Fairchild Semiconductor Corporation
302	SUBSTRATE BASED UNMOLDED PACKAGE	11/180367	7/12/2005	8541890	9/24/2013	Fairchild Semiconductor Corporation
303	SUBSTRATE BASED UNMOLDED PACKAGE	11/180405	7/12/2005	7504281	3/17/2009	Fairchild Semiconductor Corporation
304	CURRENT MODE CONTROL WITH FEED-FORWARD FOR POWER DEVICES	11/187430	7/22/2005	7615978	10/11/2009	Fairchild Semiconductor Corporation
305	LARGE SUPPLY RANGE DIFFERENTIAL LINE DRIVER	11/188415	07/25/2005	7362146	4/22/2008	Fairchild Semiconductor Corporation
306	SEMICONDUCTOR STRUCTURES FORMED ON SUBSTRATES AND METHODS OF MANUFACTURING THE SAME	11/189163	7/25/2005	7635637	12/22/2009	Fairchild Semiconductor Corporation
307	UNIFORM CONTACT	11/190654	7/27/2005	7411219	12/8/2008	Fairchild Semiconductor Corporation
308	SEMICONDUCTOR POWER DEVICE HAVING A TOP-SIDE DRAIN USING A SINKER TRENCH	11/194060	7/28/2005	7352036	1/4/2008	Fairchild Semiconductor Corporation
309	SHIELDED GATE FIELD EFFECT TRANSISTOR WITH IMPROVED INTER-POLY DIELECTRIC	11/201400	8/9/2005	7385248	10/6/2008	Fairchild Semiconductor Corporation
310	UNMOLDED PACKAGE FOR A SEMICONDUCTOR DEVICE	11/202510	8/11/2005	7393718	1/7/2008	Fairchild Semiconductor Corporation
311	POWER DEVICE PROTECTION CIRCUIT	11/207486	8/19/2005	7365954	4/29/2008	Fairchild Semiconductor Corporation
312	FLIP CHIP IN LEADED MOLDED PACKAGE AND METHOD OF MANUFACTURE THEREOF	11/213182	8/25/2005	7215011	8/5/2007	Fairchild Semiconductor Corporation
313	VRMS AND RECTIFIED CURRENT SENSE FULL-BRIDGE SYNCHRONOUS-RECTIFICATION INTEGRATED WITH PFC	11/224167	9/12/2005	7269038	11/9/2007	Fairchild Semiconductor Corporation
314	METHOD OF LINEARIZING ESD CAPACITANCE	11/226020	9/14/2005	7382593	3/6/2008	Fairchild Semiconductor Corporation
315	NON-LATCHING ENVELOPING CURVES GENERATOR	11/226031	9/14/2005	7319353	1/15/2008	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
316	POWER MOS DEVICE WITH IMPROVED GATE CHARGE PERFORMANCE	11/236112	9/26/2005	7625793	1/12/2009	Fairchild Semiconductor Corporation
317	BANDGAP ENGINEERED MOS-GATED POWER TRANSISTORS	11/245995	10/7/2005	7755137	7/13/2010	Fairchild Semiconductor Corporation
318	ESD PROTECTION FOR OUTPUTS	11/261812	10/28/2005	8254069	8/28/2012	Fairchild Semiconductor Corporation
319	PRIMARY-SIDE CONTROLLED SWITCHING REGULATOR	11/270867	11/8/2005	7352595	4/1/2008	Fairchild Semiconductor Corporation
320	HIGH PERFORMANCE MULTI-CHIP FLIP CHIP PACKAGE	11/283077	11/18/2005	7537958	5/26/2009	Fairchild Semiconductor Corporation
321	THERMAL ENHANCED UPPER AND DUAL HEAT SINK EXPOSED MOLDED LEADLESS PACKAGE	11/299270	12/9/2005	7468548	12/23/2008	Fairchild Semiconductor Corporation
322	ZERO VOLTAGE SWITCHING (ZVS) IN A POWER CONVERTER	11/313583	12/20/2005	7576446	8/18/2009	Fairchild Semiconductor Corporation
323	TRENCH FIELD PLATE TERMINATION FOR POWER DEVICES	11/317653	12/22/2005	7560787	7/14/2009	Fairchild Semiconductor Corporation
324	CLIPLESS AND WIRELESS SEMICONDUCTOR DIE PACKAGE AND METHOD FOR MAKING THE SAME	11/326987	1/5/2006	7371616	5/13/2008	Fairchild Semiconductor Corporation
325	POWER DEVICE UTILIZING CHEMICAL MECHANICAL PLANARIZATION	11/327657	1/5/2006	7449354	11/11/2008	Fairchild Semiconductor Corporation
326	SELF-ALIGNED TRENCH MOSFET STRUCTURE AND METHOD OF MANUFACTURE	11/339998	1/25/2006	7452777	11/18/2008	Fairchild Semiconductor Corporation
327	DUAL OUTPUT DIFFERENTIAL LINE DRIVER USING SINGLE CURRENT	11/347916	2/6/2006	7411431	12/8/2008	Fairchild Semiconductor Corporation
328	PRIMARY SIDE REGULATED POWER SUPPLY SYSTEM WITH CONSTANT CURRENT OUTPUT	11/348700	2/7/2006	7525259	4/28/2009	Fairchild Semiconductor Corporation
329	FLIP CHIP MLP WITH CONDUCTIVE INK	11/364014	2/28/2006	7638861	12/29/2009	Fairchild Semiconductor Corporation
330	PACKAGED SEMICONDUCTOR DEVICE WITH DUAL EXPOSED SURFACES AND METHOD OF MANUFACTURING	11/364399	2/28/2006	7576429	8/18/2009	Fairchild Semiconductor Corporation
331	PERIPHERY DESIGN FOR CHARGE BALANCE POWER DEVICES	11/375683	3/13/2006	7595542	9/29/2009	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
332	METHOD OF FORMING SCHOTTKY DIODE WITH CHARGE BALANCE STRUCTURE	11/378087	3/17/2006	7429523	9/30/2008	Fairchild Semiconductor Corporation
333	MULTI-MODE POWER AMPLIFIER WITH REDUCED LOW POWER CURRENT CONSUMPTION	11/385948	3/21/2006	7518446	4/14/2009	Fairchild Semiconductor Corporation
334	HIGH DENSITY TRENCH FET WITH INTEGRATED SCHOTTKY DIODE AND METHOD OF MANUFACTURE	11/388790	3/24/2006	7446374	4/11/2008	Fairchild Semiconductor Corporation
335	CHARGE BALANCE TECHNIQUES FOR POWER DEVICES	11/396239	3/30/2006	7592668	9/22/2009	Fairchild Semiconductor Corporation
336	POWER DEVICE WITH IMPROVED EDGE TERMINATION	11/396362	3/31/2006	7521773	4/21/2009	Fairchild Semiconductor Corporation
337	METHOD OF FORMING TRENCH GATE FIELD EFFECT TRANSISTOR WITH RECESSED MESAS	11/398467	4/4/2006	7504306	3/17/2009	Fairchild Semiconductor Corporation
338	SEMICONDUCTOR DIE PACKAGES USING THIN DIES AND METAL SUBSTRATES	11/400729	4/6/2006	7768075	3/8/2010	Fairchild Semiconductor Corporation
339	METHOD FOR BONDING A SEMICONDUCTOR SUBSTRATE TO A METAL SUBSTRATE	11/400731	4/6/2006	7635635	12/22/2009	Fairchild Semiconductor Corporation
340	LATERAL POWER TRANSISTOR WITH SELF-BIASING ELECTRODES	11/404062	4/12/2006	7473976	6/1/2009	Fairchild Semiconductor Corporation
341	DUAL METAL STUD BUMPING FOR FLIP CHIP APPLICATIONS	11/404650	4/14/2006	7501337	10/3/2009	Fairchild Semiconductor Corporation
342	SEMICONDUCTOR DIE PACKAGE INCLUDING MULTIPLE DIES AND A COMMON NODE STRUCTURE	11/410504	4/24/2006	7618896	11/17/2009	Fairchild Semiconductor Corporation
343	CHIP MODULE FOR COMPLETE POWER TRAIN	11/427906	6/30/2006	7656024	2/2/2010	Fairchild Semiconductor Corporation
344	LOW POWER TEMPERATURE AND FREQUENCY TUNABLE ON-CHIP CLOCK GENERATOR	11/430706	5/9/2006	7535309	5/19/2009	Fairchild Semiconductor Corporation
345	HIGH-VOLTAGE DIODES FORMED IN ADVANCED POWER INTEGRATED CIRCUIT DEVICES	11/434545	5/15/2006	8823051	2/9/2014	Fairchild Semiconductor Corporation
346	TRENCH-GATE FIELD EFFECT TRANSISTORS AND METHODS OF FORMING THE SAME	11/441386	5/24/2006	7504303	3/17/2009	Fairchild Semiconductor Corporation
347	PACKAGED SEMICONDUCTOR DEVICE AND METHOD OF	11/444595	5/31/2006	7390698	6/24/2008	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
	MANUFACTURE USING SHAPED DIE					
348	POWER SEMICONDUCTOR DEVICES AND METHODS OF MANUFACTURE	11/445020	5/31/2006	7638841	12/29/2009	Fairchild Semiconductor Corporation
349	POWER SEMICONDUCTOR DEVICES AND METHODS OF MANUFACTURE	11/445111	5/31/2006	7652326	1/26/2010	Fairchild Semiconductor Corporation
350	ROBUST LEADED MOLDED PACKAGES AND METHODS FOR FORMING THE SAME	11/446342	6/1/2006	7560311	7/14/2009	Fairchild Semiconductor Corporation
351	CHARGE BALANCE FIELD EFFECT TRANSISTOR	11/450903	6/8/2006	7393749	1/7/2008	Fairchild Semiconductor Corporation
352	HIGH VOLTAGE LDMOS	11/454562	6/16/2006	7355224	8/4/2008	Fairchild Semiconductor Corporation
353	METHOD AND APPARATUS FOR DETECTING DEMAGNETIZING TIME OF MAGNETIC DEVICE	11/464692	8/15/2006	7471523	12/30/2008	Fairchild Semiconductor Corporation
354	LINEAR-PREDICT SAMPLING FOR MEASURING DEMAGNETIZED VOLTAGE OF TRANSFORMER	11/464702	8/15/2006	7486528	2/3/2009	Fairchild Semiconductor Corporation
355	LOW RESISTANCE GATE FOR POWER MOSFET APPLICATIONS AND METHOD OF MANUFACTURE	11/467997	8/29/2006	7807536	5/10/2010	Fairchild Semiconductor Corporation
356	POWER TRENCH MOSFETS HAVING SIGE/SI CHANNEL STRUCTURE	11/469456	8/31/2006	7504691	3/17/2009	Fairchild Semiconductor Corporation
357	SHIELDED GATE TRENCH FET WITH THE SHIELD AND GATE ELECTRODES BEING CONNECTED TOGETHER	11/471279	6/19/2006	7319256	1/15/2008	Fairchild Semiconductor Corporation
358	SEMICONDUCTOR DIE PACKAGE AND METHOD FOR MAKING THE SAME	11/471291	6/19/2006	7772681	10/8/2010	Fairchild Semiconductor Corporation
359	METHOD FOR FORMING SHIELDED GATE FIELD EFFECT TRANSISTORS	11/479117	6/29/2006	7476589	1/13/2009	Fairchild Semiconductor Corporation
360	LATERAL TRENCH GATE FET WITH DIRECT SOURCE-DRAIN CURRENT PATH	11/479149	6/29/2006	7804150	9/28/2010	Fairchild Semiconductor Corporation
361	HIGH-EFFICIENCY POWER CONVERTER SYSTEM	11/480004	6/30/2006	7518895	4/14/2009	Fairchild Semiconductor Corporation
362	VARYING MESA DIMENSIONS IN HIGH CELL DENSITY TRENCH MOSFET	11/482676	7/7/2006	7667265	2/23/2010	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
363	SCHOTTKY DIODE STRUCTURE TO REDUCE CAPACITANCE AND SWITCHING LOSSES AND METHOD OF MAKING SAME	11/483925	7/10/2006	7468314	12/23/2008	Fairchild Semiconductor Corporation
364	METHOD OF FORMING A TRENCH STRUCTURE HAVING ONE OR MORE DIODES EMBEDDED THEREIN ADJACENT A PN JUNCTION	11/487015	7/14/2006	7582519	1/9/2009	Fairchild Semiconductor Corporation
365	POWER CONVERTER ABLE TO RAPIDLY RESPOND TO FAST CHANGES IN LOAD CURRENT	11/493125	7/26/2006	7615982	10/11/2009	Fairchild Semiconductor Corporation
366	METHOD OF MANUFACTURING A TRENCH TRANSISTOR HAVING A HEAVY BODY REGION	11/503506	8/10/2006	7736978	6/15/2010	Fairchild Semiconductor Corporation
367	POWER CONVERTER WITH HYSTERETIC CONTROL	11/506299	8/18/2006	7457140	11/25/2008	Fairchild Semiconductor Corporation
368	SEMICONDUCTOR DIE PACKAGE INCLUDING STACKED DICE AND HEAT SINK STRUCTURES	11/512941	8/29/2006	7564124	7/21/2009	Fairchild Semiconductor Corporation
369	HIGH VOLTAGE INTEGRATED CIRCUIT DRIVER WITH A HIGH VOLTAGE PMOS BOOTSTRAP DIODE EMULATOR	11/517629	9/8/2006	7538583	5/26/2009	Fairchild Semiconductor Corporation
370	LINEARIZATION TECHNIQUE FOR CURRENT MODE FILTERS	11/534716	9/25/2006	7414461	8/19/2008	Fairchild Semiconductor Corporation
371	TRENCH GATE FET WITH SELF-ALIGNED FEATURES	11/536584	9/28/2006	7544571	9/6/2009	Fairchild Semiconductor Corporation
372	ASSYMETRIC HETERO-DOPED HIGH-VOLTAGE MOSFET (AH ² MOS)	11/551887	10/23/2006	7649225	1/19/2010	Fairchild Semiconductor Corporation
373	TRENCH FET WITH IMPROVED BODY TO GATE ALIGNMENT	11/551992	10/23/2006	7416948	8/26/2008	Fairchild Semiconductor Corporation
374	CONTACT METHOD FOR THIN SILICON CARBIDE EPITAXIAL LAYER AND SEMICONDUCTOR DEVICES FORMED BY THOSE METHODS	11/556967	11/6/2006	7638820	12/29/2009	Fairchild Semiconductor Corporation
375	INTEGRATED LATCH-UP FREE INSULATED GATE BIPOLAR TRANSISTOR	11/564948	11/30/2006	7531888	12/5/2009	Fairchild Semiconductor Corporation
376	CONFIGURING A POWER CONVERTER TO OPERATE WITH OR WITHOUT BURST MODE FUNCTIONALITY	11/592372	11/3/2006	7529105	5/5/2009	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
377	CURRENT SENSING IN A POWER CONVERTER	11/606449	11/30/2006	7683593	3/23/2010	Fairchild Semiconductor Corporation
378	TIME-BASED SYNCHRONOUS RECTIFICATION IN A POWER CONVERTER	11/606462	11/30/2006	7675281	9/3/2010	Fairchild Semiconductor Corporation
379	AUDIO FILTER USING A DIODE CONNECTED MOSFET	11/609009	12/11/2006	7800435	9/21/2010	Fairchild Semiconductor Corporation
380	CAUSAL SAMPLING CIRCUIT FOR MEASURING REFLECTED VOLTAGE AND DEMAGNETIZING TIME OF TRANSFORMER	11/613884	12/20/2006	7349229	3/25/2008	Fairchild Semiconductor Corporation
381	PN JUNCTION AND MOS CAPACITOR HYBRID RESURF TRANSISTOR	11/619671	1/4/2007	7795671	9/14/2010	Fairchild Semiconductor Corporation
382	STRUCTURE AND METHOD FOR IMPROVING SHIELDED GATE FIELD EFFECT TRANSISTORS	11/620002	1/4/2007	7768064	3/8/2010	Fairchild Semiconductor Corporation
383	FLIP CHIP MLP WITH FOLDED HEAT SINK	11/625100	1/19/2007	7812437	12/10/2010	Fairchild Semiconductor Corporation
384	PRE-MOLDED CLIP STRUCTURE	11/626503	1/24/2007	7768105	3/8/2010	Fairchild Semiconductor Corporation
385	ENHANCED RESURF HVPMOS DEVICE WITH STACKED HETERO-DOPING RIM AND GRADUAL DRIFT REGION	11/669233	1/31/2007	7678656	3/16/2010	Fairchild Semiconductor Corporation
386	SEMICONDUCTOR DIE PACKAGE INCLUDING LEADFRAME WITH DIE ATTACH PAD WITH FOLDED EDGE	11/671065	2/5/2007	7821116	10/26/2010	Fairchild Semiconductor Corporation
387	MULTI-CHIP MODULE FOR BATTERY POWER CONTROL	11/672728	2/8/2007	7868432	11/1/2011	Fairchild Semiconductor Corporation
388	METHOD FOR REDUCING INSERTION LOSS AND PROVIDING POWER DOWN PROTECTION FOR MOSFET SWITCHES	11/673259	2/9/2007	7554382	6/30/2009	Fairchild Semiconductor Corporation
389	SCALABLE POWER FIELD EFFECT TRANSISTOR WITH IMPROVED HEAVY BODY STRUCTURE AND METHOD OF MANUFACTURE	11/673487	2/9/2007	7564096	7/21/2009	Fairchild Semiconductor Corporation
390	HIGH DIRECTIVITY ULTRA-COMPACT COUPLER	11/675564	2/15/2007	7564325	7/21/2009	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
391	INTEGRATED CIRCUIT STRUCTURE WITH IMPROVED LDMOS DESIGN	11/675759	2/16/2007	7608512	10/27/2009	Fairchild Semiconductor Corporation
392	MULTI-MODE POWER AMPLIFIER WITH LOW GAIN VARIATION OVER TEMPERATURE	11/683128	3/7/2007	7554407	6/30/2009	Fairchild Semiconductor Corporation
393	SHORT CHANNEL LV MV AND HV CMOS DEVICES	11/685364	3/13/2007	7602017	10/13/2009	Fairchild Semiconductor Corporation
394	DISTRIBUTED CLASS G TYPE AMPLIFIER SWITCHING METHOD	11/688822	3/20/2007	7408414	5/8/2008	Fairchild Semiconductor Corporation
395	VOLUME-BASED ADAPTIVE BIASING	11/688829	3/20/2007	8081777	12/20/2011	Fairchild Semiconductor Corporation
396	HIGH EFFICIENCY CONVERTER PROVIDING SWITCHING AMPLIFIER BIAS	11/688830	3/20/2007	8081785	12/20/2011	Fairchild Semiconductor Corporation
397	CLASS L AMPLIFIER	11/688833	3/20/2007	7498880	3/3/2009	Fairchild Semiconductor Corporation
398	EFFICIENT VOLTAGE RAIL GENERATION	11/688835	3/20/2007	7522433	4/21/2009	Fairchild Semiconductor Corporation
399	ALTERNATIVE FLIP CHIP IN LEADED MOLDED PACKAGE DESIGN AND METHOD FOR MANUFACTURE	11/689971	3/22/2007	7586178	8/9/2009	Fairchild Semiconductor Corporation
400	OVER-VOLTAGE TOLERANT PASS-GATE	11/690575	3/23/2007	7514983	7/4/2009	Fairchild Semiconductor Corporation
401	FLIP CHIP IN LEADED MOLDED PACKAGE AND METHOD OF MANUFACTURE THEREOF	11/693141	3/29/2007	7582956	1/9/2009	Fairchild Semiconductor Corporation
402	METHOD AND STRUCTURE FOR MAKING A TOP-SIDE CONTACT TO A SUBSTRATE	11/694704	3/30/2007	7482645	1/27/2009	Fairchild Semiconductor Corporation
403	OVER-CURRENT PROTECTION FOR A POWER CONVERTER	11/707685	2/16/2007	8018694	9/13/2011	Fairchild Semiconductor Corporation
404	CONTROL INTERFACE AND PROTOCOL	11/724786	3/15/2007	7667534	2/23/2010	Fairchild Semiconductor Corporation
405	SOFT START CIRCUIT WITH SLEW RATE CONTROLLER FOR VOLTAGE REGULATORS	11/726939	3/23/2007	7782038	8/24/2010	Fairchild Semiconductor Corporation
406	OPTICAL COUPLER PACKAGE	11/735257	4/13/2007	7659531	9/2/2010	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
407	ETCHED LEADFRAME STRUCTURE INCLUDING RECESSES	11/737630	4/19/2007	7683463	3/23/2010	Fairchild Semiconductor Corporation
408	DUAL SIDE COOLING INTEGRATED POWER DEVICE MODULE AND METHODS OF MANUFACTURE	11/740475	4/26/2007	7777315	8/17/2010	Fairchild Semiconductor Corporation
409	SYSTEM INCLUDING A HIGH DIRECTIVITY ULTRA-COMPACT COUPLER	11/747053	5/10/2007	7414493	8/19/2008	Fairchild Semiconductor Corporation
410	STRUCTURE AND METHOD FOR FORMING A PLANAR SCHOTTKY CONTACT	11/747847	5/11/2007	7732842	8/6/2010	Fairchild Semiconductor Corporation
411	BIDIRECTIONAL SIGNAL INTERFACE AND RELATED SYSTEM AND METHOD	11/800384	5/4/2007	7786759	8/31/2010	Fairchild Semiconductor Corporation
412	POWER CONVERTER USING A SINGLE TAPPED TRANSFORMER FOR MULTIPLE RANGES OF INPUT VOLTAGE	11/801642	5/10/2007	7729135	1/6/2010	Fairchild Semiconductor Corporation
413	HIGH VOLTAGE SEMICONDUCTOR DEVICE WITH LATERAL SERIES CAPACITIVE STRUCTURE	11/801819	5/10/2007	8080848	12/20/2011	Fairchild Semiconductor Corporation
414	DELIVERING OPTIMAL CHARGE BURSTS IN A VOLTAGE REGULATOR	11/818285	6/14/2007	8237421	7/8/2012	Fairchild Semiconductor Corporation
415	DYNAMIC SELECTION OF OSCILLATION SIGNAL FREQUENCY FOR POWER CONVERTER	11/827756	7/13/2007	7826815	2/11/2010	Fairchild Semiconductor Corporation
416	WIDE BANDGAP DEVICE IN PARALLEL WITH A DEVICE THAT HAS A LOWER AVALANCHE BREAKDOWN VOLTAGE AND A HIGHER FORWARD VOLTAGE DROP THAN THE WIDE BANDGAP DEVICE	11/828283	7/25/2007	7586156	8/9/2009	Fairchild Semiconductor Corporation
417	DUAL SIDE COOLING INTEGRATED POWER DEVICE PACKAGE AND MODULE WITH A CLIP ATTACHED TO A LEADFRAME IN THE PACKAGE AND THE MODULE AND METHODS OF MANUFACTURE	11/829793	7/27/2007	7663211	2/16/2010	Fairchild Semiconductor Corporation
418	WAVE DIVISION MULTIPLEXING REPLACEMENT OF SERIALIZATION	11/830353	7/30/2007	7995922	9/8/2011	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
419	MULTI-MODE POWER AMPLIFIER WITH HIGH EFFICIENCY UNDER BACKOFF OPERATION	11/841162	8/20/2007	7479827	1/20/2009	Fairchild Semiconductor Corporation
420	CLOCKLESS SERIALIZATION USING DELAY CIRCUITS	11/841237	8/20/2007	7468685	12/23/2008	Fairchild Semiconductor Corporation
421	PACKAGING SYSTEM FOR SEMICONDUCTOR DEVICES	11/844914	8/24/2007	7579680	8/25/2009	Fairchild Semiconductor Corporation
422	SELF LOCKING AND ALIGNING CLIP STRUCTURE FOR SEMICONDUCTOR DIE PACKAGE	11/846063	8/28/2007	7902657	8/3/2011	Fairchild Semiconductor Corporation
423	SEMICONDUCTOR DIE PACKAGE INCLUDING HEAT SINKS	11/847001	8/29/2007	7737548	6/15/2010	Fairchild Semiconductor Corporation
424	METHOD AND STRUCTURE FOR SHIELDED GATE TRENCH FET	11/848124	8/30/2007	8497549	7/30/2013	Fairchild Semiconductor Corporation
425	DEVICES METHODS AND SYSTEMS WITH MOS-GATED TRENCH-TO-TRENCH LATERAL CURRENT FLOW	11/852959	9/10/2007	7705397	4/27/2010	Fairchild Semiconductor Corporation
426	STACKED SYNCHRONOUS BUCK CONVERTER	11/857199	9/18/2007	7750445	6/7/2010	Fairchild Semiconductor Corporation
427	STACKED DUAL-DIE PACKAGES METHODS OF MAKING AND SYSTEMS INCORPORATING SAID PACKAGES	11/861967	9/26/2007	7768123	3/8/2010	Fairchild Semiconductor Corporation
428	FIELD EFFECT TRANSISTOR WITH TRENCH FILLED WITH INSULATING MATERIAL AND STRIPS OF SEMI-INSULATING MATERIAL ALONG TRENCH SIDEWALLS	11/862396	9/27/2007	7977744	12/7/2011	Fairchild Semiconductor Corporation
429	TAPERED VOLTAGE POLYSILICON DIODE ELECTROSTATIC DISCHARGE CIRCUIT FOR POWER MOSFETS AND ICS	11/865191	10/1/2007	7768034	3/8/2010	Fairchild Semiconductor Corporation
430	LOW VOLTAGE HIGH DENSITY TRENCH-GATED POWER DEVICE WITH UNIFORMLY DOPED CHANNEL AND ITS EDGE TERMINATION	11/866072	10/2/2007	7633102	12/15/2009	Fairchild Semiconductor Corporation
431	WIRELESS SEMICONDUCTOR PACKAGE FOR EFFICIENT HEAT DISSIPATION	11/869307	10/9/2007	7586179	8/9/2009	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
432	PINCHED POLY FUSE	11/869862	10/10/2007	7619295	11/17/2009	Fairchild Semiconductor Corporation
433	METHOD FOR CONNECTING A DIE ATTACH PAD TO A LEAD FRAME AND PRODUCT THEREOF	11/873725	10/17/2007	7800207	9/21/2010	Fairchild Semiconductor Corporation
434	POWER CONVERTER WITH CURRENT VECTOR CONTROLLED DEAD TIME	11/891976	8/14/2007	8385092	2/26/2013	Fairchild Semiconductor Corporation
435	PARTIAL SWITCH GATE DRIVER	11/903338	10/21/2007	7551007	6/23/2009	Fairchild Semiconductor Corporation
436	LOW POWER SERDES ARCHITECTURE USING SERIAL I/O BURST GATING	11/909123	9/19/2007	7760115	7/20/2010	Fairchild Semiconductor Corporation
437	HYBRID-MODE LDMOS	11/927805	10/30/2007	8063443	11/22/2011	Fairchild Semiconductor Corporation
438	DIE SCALE STRAIN GAUGE	11/933650	11/1/2007	7934430	3/5/2011	Fairchild Semiconductor Corporation
439	HIGH BOND LINE THICKNESS FOR SEMICONDUCTOR DEVICES	11/935915	11/6/2007	7825501	2/11/2010	Fairchild Semiconductor Corporation
440	DIFFERENTIAL AMPLIFIER WITH INDEPENDENT OUTPUT COMMON MODE ADJUSTMENT	11/937852	11/9/2007	7538614	5/26/2009	Fairchild Semiconductor Corporation
441	METHOD FOR FORMING A SHIELDED GATE TRENCH FET WITH THE SHIELD AND GATE ELECTRODES BEING CONNECTED TOGETHER	11/938583	11/12/2007	7473603	6/1/2009	Fairchild Semiconductor Corporation
442	METHOD FOR FORMING INTER-POLY DIELECTRIC IN SHIELDED GATE FIELD EFFECT TRANSISTOR	11/952481	12/7/2007	7598144	6/10/2009	Fairchild Semiconductor Corporation
443	PACKAGE WITH MULTIPLE DIES	11/959800	12/19/2007	7781872	8/24/2010	Fairchild Semiconductor Corporation
444	THIN THERMALLY ENHANCED FLIP CHIP IN A LEADED MOLDED PACKAGE	11/961589	12/20/2007	7821124	10/26/2010	Fairchild Semiconductor Corporation
445	METHODS AND SYSTEMS FOR CONTROL OF SWITCHES IN POWER REGULATORS/POWER AMPLIFIERS	11/962571	12/21/2007	7880454	1/2/2011	Fairchild Semiconductor Corporation and L&L Engineering LLC

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
446	POWER SEMICONDUCTOR DEVICES WITH TRENCHED SHIELDED SPLIT GATE TRANSISTOR AND METHODS OF MANUFACTURE	11/963668	12/21/2007	8013391	6/9/2011	Fairchild Semiconductor Corporation
447	SHEILDED GATE TRENCH FET WITH MULTIPLE CHANNELS	11/964283	12/26/2007	7772668	10/8/2010	Fairchild Semiconductor Corporation
448	POWER SEMICONDUCTOR DEVICES WITH SHIELD AND GATE CONTACTS AND METHODS OF MANUFACTURE	11/964419	12/26/2007	8013387	6/9/2011	Fairchild Semiconductor Corporation
449	HIGH-POWER SEMICONDUCTOR DIE PACKAGES WITH INTEGRATED HEAT-SINK CAPABILITY AND METHODS OF MANUFACTURING THE SAME	11/968602	1/2/2008	7800219	9/21/2010	Fairchild Semiconductor Corporation
450	SEMICONDUCTOR PACKAGE WITH AN EMBEDDED PRINTED CIRCUIT BOARD AND STACKED DIE	11/970087	1/7/2008	8030743	4/10/2011	Fairchild Semiconductor Corporation
451	PACKAGE WITH OVERLAPPING DEVICES	11/971512	1/9/2008	7791084	7/9/2010	Fairchild Semiconductor Corporation
452	SEMICONDUCTOR DIE PACKAGES HAVING OVERLAPPING DICE SYSTEM USING THE SAME AND METHODS OF MAKING THE SAME	11/971524	1/9/2008	7825502	2/11/2010	Fairchild Semiconductor Corporation
453	DIE PACKAGE INCLUDING SUBSTRATE WITH MOLDED DEVICE	11/971556	1/9/2008	8106406	1/31/2012	Fairchild Semiconductor Corporation
454	INTEGRATED LOW LEAKAGE DIODE	11/971596	1/9/2008	7842968	11/30/2010	Fairchild Semiconductor Corporation
455	FLEX CLIP CONNECTOR FOR SEMICONDUCTOR DEVICE	11/972418	10/10/2008	7626249	1/12/2009	Fairchild Semiconductor Corporation
456	DELAY STABILIZATION FOR SKEW TOLERANCE	11/972997	1/11/2008	7756659	7/13/2010	Fairchild Semiconductor Corporation
457	LOW-INPUT-VOLTAGE CHARGE PUMP	11/985457	11/15/2007	7595683	9/29/2009	Fairchild Semiconductor Corporation
458	SOFT-START SYSTEM AND METHOD FOR POWER CONVERTER	11/986579	11/21/2007	7719243	5/18/2010	Fairchild Semiconductor Corporation
459	PROCESS-INVARIANT LOW-QUIESCENT TEMPERATURE DETECTION CIRCUIT	12/004279	12/19/2007	7837384	11/23/2010	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
460	SYNCHRONOUS BUCK POWER CONVERTER WITH FREE-RUNNING OSCILLATOR	12/012057	1/29/2008	7872883	1/18/2011	Fairchild Semiconductor Corporation
461	METHOD FOR ENHANCING FIELD OXIDE	12/017742	1/22/2008	7824999	2/11/2010	Fairchild Semiconductor Corporation
462	TRENCHED SHIELD GATE POWER SEMICONDUCTOR DEVICES AND METHODS OF MANUFACTURE	12/018166	1/22/2008	7982265	7/19/2011	Fairchild Semiconductor Corporation
463	SEMICONDUCTOR PACKAGE WITH STACKED DICE FOR A BUCK CONVERTER	12/020855	1/28/2008	8063472	11/22/2011	Fairchild Semiconductor Corporation
464	MULTIPHASE SYNCHRONOUS BUCK CONVERTER	12/020892	1/28/2008	7696612	4/13/2010	Fairchild Semiconductor Corporation
465	PRIMARY-SIDE CONTROLLED SWITCHING REGULATOR	12/024053	1/31/2008	7561447	7/14/2009	Fairchild Semiconductor Corporation
466	METHOD AND APPARATUS FOR BONDED SUBSTRATES	12/025514	2/4/2008	7846813	7/12/2010	Fairchild Semiconductor Corporation
467	FOLDED LEADFRAME MULTIPLE DIE PACKAGE	12/025798	2/5/2008	8198710	12/6/2012	Fairchild Semiconductor Corporation
468	EMBEDDED DIE PACKAGE ON PACKAGE (POP) WITH PRE-MOLDED LEADFRAME	12/026742	2/6/2008	8063474	11/22/2011	Fairchild Semiconductor Corporation
469	3D SMART POWER MODULE	12/028051	2/8/2008	7808101	5/10/2010	Fairchild Semiconductor Corporation
470	POWER SEMICONDUCTOR DEVICES HAVING TERMINATION STRUCTURES AND METHODS OF MANUFACTURE	12/032123	2/15/2008	7855415	12/21/2010	Fairchild Semiconductor Corporation
471	METHODS OF MAKING POWER SEMICONDUCTOR DEVICES WITH THICK BOTTOM OXIDE LAYER	12/032599	2/15/2008	8143124	3/27/2012	Fairchild Semiconductor Corporation
472	HIGH VOLTAGE LDMOS	12/035758	2/22/2008	8349717	8/1/2013	Fairchild Semiconductor Corporation
473	THERMALLY ENHANCED MOLDED LEADLESS PACKAGE	12/037428	2/26/2008	8120169	2/21/2012	Fairchild Semiconductor Corporation
474	POWER TRANSISTOR WITH TRENCH SINKER FOR CONTACTING THE BACKSIDE	12/038184	2/27/2008	7732876	8/6/2010	Fairchild Semiconductor Corporation
475	METHODS OF FORMING INTER-POLY DIELECTRIC (IPD) LAYERS	12/041546	3/3/2008	8143123	3/27/2012	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
	IN POWER SEMICONDUCTOR DEVICES					
476	SEMICONDUCTOR DIE PACKAGE INCLUDING EXPOSED CONNECTIONS	12/044314	3/7/2008	7972906	5/7/2011	Fairchild Semiconductor Corporation
477	SEMICONDUCTOR DIE PACKAGE INCLUDING IC DRIVER AND BRIDGE	12/046734	3/12/2008	7915721	3/29/2011	Fairchild Semiconductor Corporation
478	SEMICONDUCTOR DIE PACKAGE INCLUDING MULTIPLE SEMICONDUCTOR DICE	12/046939	3/12/2008	8018054	9/13/2011	Fairchild Semiconductor Corporation
479	SEMICONDUCTOR DIE PACKAGE INCLUDING EMBEDDED FLIP CHIP	12/047028	3/12/2008	7768108	3/8/2010	Fairchild Semiconductor Corporation
480	LDMOS DEVICES WITH IMPROVED ARCHITECTURES	12/049788	3/17/2008	7977715	12/7/2011	Fairchild Semiconductor Corporation
481	POWER DEVICE WITH TRENCHES HAVING WIDER UPPER PORTION THAN LOWER PORTION	12/049996	3/17/2008	7595524	9/29/2009	Fairchild Semiconductor Corporation
482	METHOD OF FORMING TRENCH GATE FETS WITH REDUCED GATE TO DRAIN CHARGE	12/052135	3/20/2008	7485532	3/2/2009	Fairchild Semiconductor Corporation
483	METHOD OF MAKING AND DESIGNING LEAD FRAMES FOR SEMICONDUCTOR PACKAGES	12/052871	3/21/2008	8110447	7/2/2012	Fairchild Semiconductor Corporation
484	SIP SUBSTRATE	12/053707	3/24/2008	7893548	2/22/2011	Fairchild Semiconductor Corporation
485	COMPENSATION NETWORK FOR ERROR AMPLIFIER OF A LOW DROPOUT REGULATOR	12/072259	2/25/2008	7956589	7/6/2011	Fairchild Semiconductor Corporation
486	SAMPLE AND HOLD TECHNIQUE FOR GENERATING AN AVERAGE OF SENSED INDUCTOR CURRENT IN VOLTAGE REGULATORS	12/077463	3/19/2008	7710084	4/5/2010	Fairchild Semiconductor Corporation
487	REDUCING SOFT START DELAY AND PROVIDING SOFT RECOVERY IN POWER SYSTEM CONTROLLERS	12/077475	3/19/2008	7723972	5/25/2010	Fairchild Semiconductor Corporation
488	OPTIMIZING OPERATION OF DC-TO-AC POWER CONVERTER	12/080274	4/2/2008	7839666	11/23/2010	Fairchild Semiconductor Corporation
489	UN-ASSISTED LOW-TRIGGER AND HIGH-HOLDING VOLTAGE SCR	12/098546	4/7/2008	7719026	5/18/2010	Fairchild Semiconductor Corporation
490	SEMICONDUCTOR DIE PACKAGES WITH MULTIPLE INTEGRATED SUBSTRATES	12/102793	4/14/2008	7952204	5/31/2011	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
	SYSTEMS USING THE SAME AND METHODS USING THE SAME					
491	THREE-DIMENSIONAL SEMICONDUCTOR DEVICE STRUCTURES AND METHODS	12/103701	4/15/2008	8101996	1/24/2012	Fairchild Semiconductor Corporation
492	DICE BY GRIND FOR BACK SURFACE METALLIZED DIES	12/103878	4/16/2008	7655539	2/2/2010	Fairchild Semiconductor Corporation
493	METHOD AND DEVICE WITH DURABLE CONTACT ON SILICON CARBIDE	12/106646	4/21/2008	7618884	11/17/2009	Fairchild Semiconductor Corporation
494	INTEGRATED LOW LEAKAGE SCHOTTKY DIODE	12/107995	4/23/2008	7745845	6/29/2010	Fairchild Semiconductor Corporation
495	NON-LINEAR CONTROL TECHNIQUES FOR IMPROVING TRANSIENT RESPONSE TO LOAD CURRENT STEP CHANGE	12/108435	4/23/2008	7863875	4/1/2011	Fairchild Semiconductor Corporation
496	STRUCTURE AND METHOD FOR SEMICONDUCTOR POWER DEVICES	12/109293	4/24/2008	7910995	3/22/2011	Fairchild Semiconductor Corporation
497	TECHNIQUE FOR CONTROLLING TRENCH PROFILE IN SEMICONDUCTOR STRUCTURES	12/109302	4/24/2008	8815744	8/26/2014	Fairchild Semiconductor Corporation
498	METHOD AND CIRCUIT FOR INTERLEAVING SERIALIZING AND DESERIALIZING CAMERA AND KEYPAD DATA	12/112136	4/30/2008	8170070	1/5/2012	Fairchild Semiconductor Corporation
499	METHOD AND CIRCUIT FOR CHANGING MODES WITHOUT DEDICATED CONTROL PIN	12/112152	4/30/2008	8107575	1/31/2012	Fairchild Semiconductor Corporation
500	METHOD AND CIRCUIT FOR CAPTURING KEYPAD DATA SERIALIZING/DESERIALIZING AND REGENERATING THE KEYPAD INTERFACE	12/112176	4/30/2008	8321598	11/27/2012	Fairchild Semiconductor Corporation
501	STRUCTURE AND METHOD FOR FORMING ACCUMULATION-MODE FIELD EFFECT TRANSISTOR WITH IMPROVED CURRENT CAPABILITY	12/114575	5/2/2008	7936008	3/5/2011	Fairchild Semiconductor Corporation
502	MULTI-CHIP DISCRETE DEVICES IN SEMICONDUCTOR PACKAGES	12/115049	5/5/2008	7843048	11/30/2010	Fairchild Semiconductor Corporation
503	METHODS AND DESIGNS FOR LOCALIZED WAFER THINNING	12/115254	5/5/2008	8158506	4/17/2012	Fairchild Semiconductor Corporation
504	SUBSTRATE BASED UNMOLDED PACKAGE	12/118222	5/9/2008	7682877	3/23/2010	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
505	METHODS FOR REDUCING CROSS TALK IN OPTICAL SENSORS	12/123350	5/19/2008	7777172	8/17/2010	Fairchild Semiconductor Corporation
506	VOLTAGE REGULATOR WITH CURRENT-MODE DUAL-EDGE PULSE WIDTH MODULATION AND NON-LINEAR CONTROL	12/124953	5/21/2008	7764054	7/27/2010	Fairchild Semiconductor Corporation
507	SHIELDED GATE FIELD EFFECT TRANSISTOR	12/125242	5/22/2008	7514322	7/4/2009	Fairchild Semiconductor Corporation
508	LOW ON RESISTANCE CMOS TRANSISTOR FOR INTEGRATED CIRCUIT APPLICATIONS	12/126108	5/23/2008	7763939	7/27/2010	Fairchild Semiconductor Corporation
509	DIFFERENTIAL HYSTERETIC DC-DC CONVERTER	12/127670	5/27/2008	8476886	2/7/2013	Fairchild Semiconductor Corporation
510	DISTRIBUTED CLASS G TYPE AMPLIFIER SWITCHING METHOD	12/128092	5/28/2008	7619480	11/17/2009	Fairchild Semiconductor Corporation
511	FOUR MOSFET FULL BRIDGE MODULE	12/128130	5/28/2008	8138585	3/20/2012	Fairchild Semiconductor Corporation
512	HOT SWAP CONTROLLER WITH ZERO LOADED CHARGE PUMP	12/132267	6/3/2008	7683693	3/23/2010	Fairchild Semiconductor Corporation
513	TECHNIQUE FOR COMBINING IN-RUSH CURRENT LIMITING AND SHORT CIRCUIT CURRENT LIMITING	12/132286	6/3/2008	7760479	7/20/2010	Fairchild Semiconductor Corporation
514	RUGGED SEMICONDUCTOR DEVICE ARCHITECTURE	12/136140	6/10/2008	8124981	2/28/2012	Fairchild Semiconductor Corporation
515	METHOD AND APPARATUS TO IMPROVE THE RELIABILITY OF THE BREAKDOWN VOLTAGE IN HIGH VOLTAGE DEVICES	12/142270	6/19/2008	7897471	1/3/2011	Fairchild Semiconductor Corporation
516	STRUCTURE AND METHOD FOR FORMING A THICK BOTTOM DIELECTRIC (TBD) FOR TRENCH-GATE DEVICES	12/143510	6/20/2008	7807576	5/10/2010	Fairchild Semiconductor Corporation
517	PIN SUBSTRATE AND PACKAGE	12/144289	6/23/2008	7745244	6/29/2010	Fairchild Semiconductor Corporation
518	A SHIELDED GATE TRENCH FET WITH AN INTER-ELECTRODE DIELECTRIC HAVING A NITRIDE LAYER THEREIN	12/146791	6/26/2008	7872305	1/18/2011	Fairchild Semiconductor Corporation
519	STRUCTURE AND METHOD OF FORMING A TOPSIDE CONTACT	12/168348	7/7/2008	7884390	8/2/2011	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
	TO A BACKSIDE TERMINAL OF A SEMICONDUCTOR DEVICE					
520	A SHIELDED GATE TRENCH FET WITH AN INTER-ELECTRODE DIELECTRIC HAVING A LOW-K DIELECTRIC THEREIN	12/170328	7/9/2008	7936009	3/5/2011	Fairchild Semiconductor Corporation
521	THERMAL ENHANCED UPPER AND DUAL HEAT SINK EXPOSED MOLDED LEADLESS PACKAGE	12/170523	7/10/2008	7968982	6/28/2011	Fairchild Semiconductor Corporation
522	GROUND FAULT CIRCUIT INTERRUPTER WITH SELF TEST	12/171924	7/11/2008	8085516	12/27/2011	Fairchild Semiconductor Corporation
523	SEMICONDUCTOR DEVICE WITH (110)-ORIENTED SILICON	12/174030	7/16/2008	8101500	1/24/2012	Fairchild Semiconductor Corporation
524	METHOD AND STRUCTURE FOR DIVIDING A SUBSTRATE INTO INDIVIDUAL DEVICES	12/174863	7/17/2008	7951688	5/31/2011	Fairchild Semiconductor Corporation
525	EMBEDDED DIE PACKAGE AND PROCESS FLOW USING A PRE-MOLDED CARRIER	12/175171	7/17/2008	7863096	4/1/2011	Fairchild Semiconductor Corporation
526	SEMICONDUCTOR SYSTEM-IN-PACKAGE AND METHOD FOR MAKING THE SAME	12/178043	7/23/2008	7960211	6/14/2011	Fairchild Semiconductor Corporation
527	START-UP CIRCUITRY AND METHOD FOR POWER CONVERTER	12/182915	7/30/2008	8129959	6/3/2012	Fairchild Semiconductor Corporation
528	RECTIFIER WITH PN CLAMP REGIONS UNDER TRENCHES	12/186743	8/6/2008	7750412	6/7/2010	Fairchild Semiconductor Corporation
529	METHOD AND SYSTEM THAT DETERMINES THE VALUE OF A RESISTOR IN LINEAR AND NON-LINEAR RESISTOR SETS	12/196552	8/22/2008	8179151	5/15/2012	Fairchild Semiconductor Corporation
530	MICRO-LAYERED LEAD FRAME SEMICONDUCTOR PACKAGES	12/199065	8/27/2008	7888781	2/15/2011	Fairchild Semiconductor Corporation
531	CLASS L AMPLIFIER	12/200794	8/28/2008	7649415	1/19/2010	Fairchild Semiconductor Corporation
532	MOLDED ULTRA THIN SEMICONDUCTOR DIE PACKAGES SYSTEMS USING THE SAME AND METHODS OF MAKING THE SAME	12/200819	8/28/2008	7855439	12/21/2010	Fairchild Semiconductor Corporation
533	POWER SUPPLY INSENSITIVE VOLTAGE LEVEL TRANSLATOR	12/205178	9/5/2008	7782116	8/24/2010	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
534	(110)-ORIENTED P-CHANNEL TRENCH MOSFET HAVING HIGH-K GATE DIELECTRIC	12/207417	9/9/2008	8039877	10/18/2011	Fairchild Semiconductor Corporation
535	HIGH DENSITY TRENCH FIELD EFFECT TRANSISTOR	12/211654	9/16/2008	8278702	2/10/2012	Fairchild Semiconductor Corporation
536	STRUCTURES FOR REDUCING DOPANT OUT-DIFFUSION FROM IMPLANT REGIONS IN POWER DEVICES	12/212489	9/17/2008	8253194	8/28/2012	Fairchild Semiconductor Corporation
537	DIRECT CURRENT (DC) TO ALTERNATING CURRENT (AC) GENERATION	12/217244	7/2/2008	8023295	9/20/2011	Fairchild Semiconductor Corporation
538	SYSTEM AND METHOD FOR AC VOLTAGE REGULATION	12/229543	8/25/2008	7834597	11/16/2010	Fairchild Semiconductor Corporation
539	MEASURING AND REGENERATING A VARIABLE PULSE WIDTH	12/233034	9/18/2008	7733248	8/6/2010	Fairchild Semiconductor Corporation
540	SUPERJUNCTION STRUCTURES FOR POWER DEVICES	12/234549	9/19/2008	8928077	6/1/2015	Fairchild Semiconductor Corporation
541	STACKING QUAD PRE-MOLDED COMPONENT PACKAGES SYSTEMS USING THE SAME AND METHODS OF MAKING THE SAME	12/235227	9/22/2008	7829988	9/11/2010	Fairchild Semiconductor Corporation
542	POWER TRENCH GATE FET WITH ACTIVE GATE TRENCHES THAT ARE CONTIGUOUS WITH GATE RUNNER TRENCH (AS AMENDED)	12/241481	9/30/2008	7772642	10/8/2010	Fairchild Semiconductor Corporation
543	HIGH DENSITY FET WITH INTEGRATED SCHOTTKY	12/242633	9/30/2008	8686493	1/4/2014	Fairchild Semiconductor Corporation
544	CIRCUITS AND METHODS FOR IMPROVING TRANSIENT RESPONSE OF HYSTERETIC DC-DC CONVERTERS	12/245231	10/3/2008	8138739	3/20/2012	Fairchild Semiconductor Corporation
545	POWER MOSFET HAVING A STRAINED CHANNEL IN A SEMICONDUCTOR HETEROSTRUCTURE ON METAL SUBSTRATE	12/248874	10/9/2008	8237195	7/8/2012	Fairchild Semiconductor Corporation
546	METHOD OF FORMING HIGH DENSITY TRENCH FET WITH INTEGRATED SCHOTTKY DIODE	12/249889	10/10/2008	7713822	11/5/2010	Fairchild Semiconductor Corporation
547	CONTINUOUS CONDUCTION MODE POWER FACTOR CORRECTION CIRCUIT WITH	12/250771	10/14/2008	8279630	2/10/2012	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
	REDUCED SENSING REQUIREMENTS					
548	GATE DRIVER WITH SHORT-CIRCUIT PROTECTION	12/253014	10/16/2008	8503146	6/8/2013	Fairchild Semiconductor Corporation
549	HIGH EFFICIENCY AUDIO AMPLIFIER	12/257287	10/23/2008	7733178	8/6/2010	Fairchild Semiconductor Corporation
550	MODULATED SUPPLY SPREAD SPECTRUM	12/260708	10/29/2008	7893779	2/22/2011	Fairchild Semiconductor Corporation
551	PRE-MOLDED CLIP-BONDED MULTI-DIE SEMICONDUCTOR PACKAGE	12/262486	10/31/2008	7898067	1/3/2011	Fairchild Semiconductor Corporation
552	WAFER LEVEL BUCK CONVERTER	12/262570	10/31/2008	8102029	1/24/2012	Fairchild Semiconductor Corporation
553	SEMICONDUCTOR DIE PACKAGE INCLUDING LEAD WITH END PORTION	12/266217	11/6/2008	8188587	5/29/2012	Fairchild Semiconductor Corporation
554	CONTACT METHOD FOR THIN SILICON CARBIDE EPITAXIAL LAYER AND SEMICONDUCTOR DEVICES FORMED BY THOSE METHODS	12/266739	11/7/2008	RE42423	7/6/2011	Fairchild Semiconductor Corporation
555	SHIELDED GATE TRENCH FET WITH THE SHIELD AND GATE ELECTRODES CONNECTED TOGETHER IN NON-ACTIVE REGION	12/268616	11/11/2008	7859047	12/28/2010	Fairchild Semiconductor Corporation
556	FLEXIBLE AND STACKABLE SEMICONDUCTOR DIE PACKAGES HAVING THIN PATTERNED CONDUCTIVE LAYERS	12/271369	11/14/2008	8314499	11/20/2012	Fairchild Semiconductor Corporation
557	LEADFRAME-BASED CHIP SCALE SEMICONDUCTOR PACKAGES	12/277068	11/24/2008	7944031	5/17/2011	Fairchild Semiconductor Corporation
558	ADAPTIVE RAIL AMPLIFIER (ARA) TECHNOLOGY	12/326795	12/2/2008	7750732	6/7/2010	Fairchild Semiconductor Corporation
559	METHOD FOR FORMING TRENCHES WITH WIDE UPPER PORTION AND NARROW LOWER PORTION	12/327425	12/3/2008	8003522	8/23/2011	Fairchild Semiconductor Corporation
560	METHOD OF MANUFACTURING A TRENCH TRANSISTOR HAVING A HEAVY BODY REGION	12/329509	12/5/2008	7696571	4/13/2010	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
561	STRUCTURE AND METHOD FOR FORMING FIELD EFFECT TRANSISTOR WITH LOW RESISTANCE CHANNEL REGION	12/330273	12/8/2008	7825465	2/11/2010	Fairchild Semiconductor Corporation
562	STRUCTURE AND METHOD FOR FORMING HYBRID SUBSTRATE	12/332326	12/10/2008	8039401	10/18/2011	Fairchild Semiconductor Corporation
563	STRUCTURE AND METHOD FOR FORMING POWER DEVICES WITH HIGH ASPECT RATIO CONTACT OPENINGS	12/333597	12/12/2008	7932556	4/26/2011	Fairchild Semiconductor Corporation
564	SEMICONDUCTOR DIE PACKAGE INCLUDING LOW STRESS CONFIGURATION	12/334127	12/12/2008	8106501	1/31/2012	Fairchild Semiconductor Corporation
565	SEMICONDUCTOR DIE PACKAGE WITH CLIP INTERCONNECTION	12/334249	12/12/2008	8193618	5/6/2012	Fairchild Semiconductor Corporation
566	SEMICONDUCTOR SYSTEM-IN-A-PACKAGE CONTAINING MICRO-LAYERED LEAD FRAME	12/334267	12/12/2008	7923847	12/4/2011	Fairchild Semiconductor Corporation
567	SEMICONDUCTOR DICE WITH BACKSIDE TRENCHES FILLED WITH ELASTIC MATERIAL FOR IMPROVED ATTACHMENT PACKAGES USING THE SAME AND METHODS OF MAKING THE SAME	12/334331	12/12/2008	7960800	6/14/2011	Fairchild Semiconductor Corporation
568	STRUCTURE AND METHOD FOR FORMING POWER DEVICES WITH CARBON-CONTAINING REGION	12/334393	12/12/2008	7994573	9/8/2011	Fairchild Semiconductor Corporation
569	CABLE VOLTAGE DROP COMPENSATION FOR BATTERY CHARGERS	12/337324	12/17/2008	8143845	3/27/2012	Fairchild Semiconductor Corporation
570	POWER QUAD FLAT NO-LEAD SEMICONDUCTOR DIE PACKAGES WITH ISOLATED HEAT SINK FOR HIGH-VOLTAGE HIGH-POWER APPLICATIONS SYSTEMS USING THE SAME AND METHODS OF MAKING THE SAME	12/337513	12/17/2008	7816784	10/19/2010	Fairchild Semiconductor Corporation
571	CONSTANT SWITCH VGS CIRCUIT FOR MINIMIZING RFLATNESS AND IMPROVING AUDIO PERFORMANCE	12/337709	12/18/2008	7782117	8/24/2010	Fairchild Semiconductor Corporation
572	LATERAL MOSFET WITH SUBSTRATE DRAIN CONNECTION	12/339215	12/19/2008	8039897	10/18/2011	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
573	LATERAL POWER DIODE WITH SELF-BIASING ELECTRODE	12/344063	12/24/2008	8125029	2/28/2012	Fairchild Semiconductor Corporation
574	METHOD FOR FORMING SHIELDED GATE FIELD EFFECT TRANSISTOR USING SPACERS	12/344859	12/29/2008	7935577	3/5/2011	Fairchild Semiconductor Corporation
575	METHOD FOR FORMING TRENCH GATE FIELD EFFECT TRANSISTOR WITH RECESSED MESAS USING SPACERS	12/346626	12/30/2008	8084327	12/27/2011	Fairchild Semiconductor Corporation
576	INTEGRATED TRANSISTOR MODULE AND METHOD OF FABRICATING SAME	12/349140	1/6/2009	7842555	11/30/2010	Fairchild Semiconductor Corporation
577	LATERAL DRAIN MOSFET WITH IMPROVED CLAMPING VOLTAGE CONTROL	12/352057	1/12/2009	7781835	8/24/2010	Fairchild Semiconductor Corporation
578	HIGH ASPECT RATIO TRENCH STRUCTURES WITH VOID-FREE FILL MATERIAL	12/353909	1/14/2009	7956411	7/6/2011	Fairchild Semiconductor Corporation
579	MULTI-CHIP SEMICONDUCTOR PACKAGE	12/356354	1/20/2009	7846773	7/12/2010	Fairchild Semiconductor Corporation
580	SUPER SOURCE FOLLOWER OUTPUT IMPEDANCE ENHANCEMENT	12/356566	1/21/2009	7944303	5/17/2011	Fairchild Semiconductor Corporation
581	DUAL METAL STUD BUMPING FOR FLIP CHIP APPLICATIONS	12/357981	1/22/2009	7932171	4/26/2011	Fairchild Semiconductor Corporation
582	SUBSTRATE BASED UNMOLDED PACKAGE	12/358654	1/23/2009	7790513	7/9/2010	Fairchild Semiconductor Corporation
583	STRUCTURE FOR MAKING A TOP-SIDE CONTACT TO A SUBSTRATE	12/359670	1/26/2009	7989884	2/8/2011	Fairchild Semiconductor Corporation
584	SYNCHRONIZING FREQUENCY AND PHASE OF MULTIPLE VARIABLE FREQUENCY POWER CONVERTERS	12/361419	1/28/2009	7933132	4/26/2011	Fairchild Semiconductor Corporation
585	HIGH SPEED LOW POWER CONSUMPTION ISOLATED ANALOG CMOS UNIT	12/365228	2/4/2009	7800179	9/21/2010	Fairchild Semiconductor Corporation
586	STACKED MICRO OPTOCOUPERS AND METHODS OF MAKING THE SAME	12/365793	2/4/2009	7973393	5/7/2011	Fairchild Semiconductor Corporation
587	FREQUENCY MODE SELECTION DISCRIMINATOR AND LOW PASS FILTER	12/365987	2/5/2009	7932751	4/26/2011	Fairchild Semiconductor Corporation
588	SEMICONDUCTOR DIE PACKAGE AND METHOD FOR MAKING THE SAME	12/366039	2/5/2009	8222718	7/17/2012	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
589	SEMICONDUCTOR DEVICES WITH STABLE AND CONTROLLED AVALANCHE CHARACTERISTICS AND METHODS OF FABRICATING THE SAME	12/368210	2/9/2009	8227855	7/24/2012	Fairchild Semiconductor Corporation
590	METHOD AND APPARATUS FOR DETECTING AND RECOVERING FROM EXTERNAL ELECTRICAL DISTURBANCES	12/370974	2/13/2009	7911753	3/22/2011	Fairchild Semiconductor Corporation
591	IMPROVED TRENCH-SHIELDED SEMICONDUCTOR DEVICE	12/389335	2/19/2009	8148749	3/4/2012	Fairchild Semiconductor Corporation
592	MICROMODULES INCLUDING INTEGRATED THIN FILM INDUCTORS	12/392971	2/25/2009	7838964	11/23/2010	Fairchild Semiconductor Corporation
593	QUASI-RESURF LDMOS	12/395817	3/2/2009	7999315	8/16/2011	Fairchild Semiconductor Corporation
594	LOW-INPUT-VOLTAGE CHARGE PUMP	12/400659	3/9/2009	8076968	12/13/2011	Fairchild Semiconductor Corporation
595	MIPI ANALOG SWITCH FOR AUTOMATIC SELECTION OF MULTIPLE INPUTS BASED ON CLOCK VOLTAGES	12/402794	3/12/2009	8207759	6/26/2012	Fairchild Semiconductor Corporation
596	POWER LATCH	12/403490	3/13/2009	7893566	2/22/2011	Fairchild Semiconductor Corporation
597	A FLMP BUCK CONVERTER WITH A MOLDED CAPACITOR AND A METHOD OF THE SAME	12/404627	3/16/2009	8023279	9/20/2011	Fairchild Semiconductor Corporation
598	MULTIPHASE SYNCHRONOUS BUCK CONVERTER	12/405525	3/17/2009	7821114	10/26/2010	Fairchild Semiconductor Corporation
599	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	12/408552	3/20/2009	8304829	6/11/2012	Fairchild Semiconductor Corporation
600	MULTICHIP DISCRETE PACKAGE	12/409620	3/24/2009	7977776	12/7/2011	Fairchild Semiconductor Corporation
601	LOW SPEED LOAD INDEPENDENT SLEW RATE CONTROLLED OUTPUT BUFFER WITH NO DC POWER CONSUMPTION	12/410848	3/25/2009	7924066	12/4/2011	Fairchild Semiconductor Corporation
602	INTEGRATED LATCH-UP FREE INSULATED GATE BIPOLAR TRANSISTOR	12/411820	3/26/2009	8053858	8/11/2011	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
603	STRUCTURE AND METHOD FOR FORMING A SALICIDE ON THE GATE ELECTRODE OF A TRENCH-GATE FET	12/412803	3/27/2009	8143125	3/27/2012	Fairchild Semiconductor Corporation
604	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	12/417586	4/2/2009	8174067	8/5/2012	Fairchild Semiconductor Corporation
605	METHOD OF FORMING A SHIELDED GATE FIELD EFFECT TRANSISTOR	12/418949	4/6/2009	7625799	1/12/2009	Fairchild Semiconductor Corporation
606	HIGH TEMPERATURE OPERATING PACKAGE AND CIRCUIT DESIGN	12/419696	4/7/2009	8030764	4/10/2011	Fairchild Semiconductor Corporation
607	LOW ON RESISTANCE CMOS "WAVE" TRANSISTOR FOR INTEGRATED CIRCUIT APPLICATIONS	12/420435	4/8/2009	8080847	12/20/2011	Fairchild Semiconductor Corporation
608	LOW-QUIESCENT-CURRENT BUFFER	12/420608	4/8/2009	7868666	11/1/2011	Fairchild Semiconductor Corporation
609	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	12/420711	4/8/2009	8193581	5/6/2012	Fairchild Semiconductor Corporation
610	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	12/421448	4/9/2009	8564024	10/22/2013	Fairchild Semiconductor Corporation
611	POWER DEVICE EDGE TERMINATION HAVING A RESISTOR WITH ONE END BIASED TO SOURCE VOLTAGE	12/425326	4/16/2009	7863708	4/1/2011	Fairchild Semiconductor Corporation
612	LDMOS WITH SELF ALIGNED VERTICAL LDD BACKSIDE DRAIN	12/425349	4/16/2009	7936007	3/5/2011	Fairchild Semiconductor Corporation
613	AMPLIFIER CURRENT DRIVE REVERSAL	12/425790	4/17/2009	7821338	10/26/2010	Fairchild Semiconductor Corporation
614	MULTI-LEVEL LATERAL FLOATING COUPLED CAPACITOR TRANSISTOR STRUCTURES	12/426004	4/17/2009	8193565	5/6/2012	Fairchild Semiconductor Corporation
615	POLYSILICON DRIFT FUSE	12/429510	4/24/2009	8072049	6/12/2011	Fairchild Semiconductor Corporation
616	SILICON CARBIDE SEMICONDUCTOR DEVICE	12/450708	10/8/2009	8829533	9/9/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
617	ROBUST LEADED MOLDED PACKAGES AND METHODS FOR FORMING THE SAME	12/479442	6/5/2009	7906837	3/15/2011	Fairchild Semiconductor Corporation
618	MONOLITHIC LOW IMPEDANCE DUAL GATE CURRENT SENSE MOSFET	12/479613	6/5/2009	8183892	5/22/2012	Fairchild Semiconductor Corporation
619	METHOD OF FORMING SHIELDED GATE FET WITH SELF-ALIGNED FEATURES	12/480031	6/8/2009	7935561	3/5/2011	Fairchild Semiconductor Corporation
620	3D CHANNEL ARCHITECTURE FOR SEMICONDUCTOR DEVICES	12/480065	6/8/2009	8072027	6/12/2011	Fairchild Semiconductor Corporation
621	TERMINATION STRUCTURE FOR POWER DEVICES	12/480176	6/8/2009	8143679	3/27/2012	Fairchild Semiconductor Corporation
622	SELF-ALIGNED COMPLEMENTARY LDMOS	12/481108	6/9/2009	7750401	6/7/2010	Fairchild Semiconductor Corporation
623	REDUCED PROCESS SENSITIVITY OF ELECTRODE-SEMICONDUCTOR RECTIFIERS	12/484096	6/12/2009	8049276	1/11/2011	Fairchild Semiconductor Corporation
624	SCALABLE POWER FIELD EFFECT TRANSISTOR WITH IMPROVED HEAVY BODY STRUCTURE AND METHOD OF MANUFACTURE	12/485290	6/16/2009	7754567	7/13/2010	Fairchild Semiconductor Corporation
625	CURRENT MODE CONTROL FOR RESONANT CONVERTER CIRCUITS	12/488851	6/22/2009	8085559	12/27/2011	Fairchild Semiconductor Corporation
626	PARTIAL SWITCH GATE DRIVER	12/489254	06/22/2009	7990187	2/8/2011	Fairchild Semiconductor Corporation
627	POWER DEVICE WITH MONOLITHICALLY INTEGRATED RC SNUBBER	12/492101	6/25/2009	8829624	9/9/2014	Fairchild Semiconductor Corporation
628	TRENCH-GATE LDMOS STRUCTURES	12/499778	7/8/2009	8198677	12/6/2012	Fairchild Semiconductor Corporation
629	PACKAGED SEMICONDUCTOR DEVICE WITH DUAL EXPOSED SURFACES AND METHOD OF MANUFACTURING	12/499893	7/9/2009	7816178	10/19/2010	Fairchild Semiconductor Corporation
630	PHASE MANAGEMENT FOR INTERLEAVED POWER FACTOR CORRECTION	12/506098	7/20/2009	8098505	1/17/2012	Fairchild Semiconductor Corporation
631	SHIELD CONTACTS IN A SHIELDED GATE MOSFET	12/509379	7/24/2009	7952141	5/31/2011	Fairchild Semiconductor Corporation
632	METHOD AND CIRCUIT FOR RECYCLING TRIMMED DEVICES	12/511496	7/29/2009	8143993	3/27/2012	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
633	MODULAR DIE AND MASK FOR SEMICONDUCTOR PROCESSING	12/535093	8/4/2009	8222090	7/17/2012	Fairchild Semiconductor Corporation
634	IGNITION SYSTEM OPEN SECONDARY DETECTION	12/535597	8/4/2009	8387598	5/3/2013	Fairchild Semiconductor Corporation
635	WIDE BANDGAP DEVICE IN PARALLEL WITH A DEVICE THAT HAS A LOWER AVALANCHE BREAKDOWN VOLTAGE AND A HIGHER FORWARD VOLTAGE DROP THAN THE WIDE BANDGAP DEVICE	12/536618	8/6/2009	7859057	12/28/2010	Fairchild Semiconductor Corporation
636	FLEX CLIP CONNECTOR FOR SEMICONDUCTOR DEVICE	12/544159	8/19/2009	7824966	2/11/2010	Fairchild Semiconductor Corporation
637	OPTIMIZATION OF PWM DC OPERATING POINT OF VOLTAGE REGULATORS WITH WIDE OPERATING RANGE	12/548202	8/26/2009	8278903	2/10/2012	Fairchild Semiconductor Corporation
638	SHORT CHANNEL LV MV AND HV CMOS DEVICES	12/552384	9/2/2009	7968400	6/28/2011	Fairchild Semiconductor Corporation
639	INTEGRATED COMPLEMENTARY LOW VOLTAGE RF-LDMOS	12/553464	9/3/2009	7888735	2/15/2011	Fairchild Semiconductor Corporation
640	FOLDED LANDS AND VIAS FOR MULTICHIP SEMICONDUCTOR PACKAGES	12/560007	9/15/2009	8072051	6/12/2011	Fairchild Semiconductor Corporation
641	SEMICONDUCTOR DIE CONTAINING LATERAL EDGE SHAPES AND TEXTURES	12/561988	9/17/2009	8072044	6/12/2011	Fairchild Semiconductor Corporation
642	CHARGE BALANCE TECHNIQUES FOR POWER DEVICES	12/562025	9/17/2009	7936013	3/5/2011	Fairchild Semiconductor Corporation
643	POWER DEVICE WITH TRENCHES HAVING WIDER UPPER PORTION THAN LOWER PORTION	12/567578	9/25/2009	7799636	9/21/2010	Fairchild Semiconductor Corporation
644	SEMICONDUCTOR DIE PACKAGE INCLUDING MULTIPLE DIES AND A COMMON NODE STRUCTURE	12/575641	10/8/2009	8212361	3/7/2012	Fairchild Semiconductor Corporation
645	METHOD FOR FORMING Laterally Extending Dielectric Layer in a Trench-Gate FET	12/576120	10/8/2009	7855115	12/21/2010	Fairchild Semiconductor Corporation
646	PINCHED POLY FUSE	12/576290	10/9/2009	7759767	7/20/2010	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
647	ALUMINUM BUMP BONDING FOR FINE ALUMINUM WIRE	12/580560	10/16/2009	8138081	3/20/2012	Fairchild Semiconductor Corporation
648	METHOD AND STRUCTURE FOR FORMING A SHIELDED GATE FIELD EFFECT TRANSISTOR	12/582487	10/20/2009	7767524	3/8/2010	Fairchild Semiconductor Corporation
649	CAMERA SHUTTER CONTROL THROUGH A USB PORT OR AUDIO/VIDEO PORT	12/606562	10/27/2009	8230126	7/24/2012	Fairchild Semiconductor Corporation
650	METHOD OF DETECTING ACCESSORIES ON AN AUDIO JACK	12/606582	10/27/2009	8244927	8/14/2012	Fairchild Semiconductor Corporation
651	FLIP CHIP MLP WITH CONDUCTIVE INK	12/616943	11/12/2009	9147627	9/29/2015	Fairchild Semiconductor Corporation
652	OPTOCOUPLER DEVICES	12/617142	11/12/2009	8410463	2/4/2013	Fairchild Semiconductor Corporation
653	SEMICONDUCTOR DEVICES AND METHODS FOR MAKING THE SAME	12/629232	12/2/2009	8129778	6/3/2012	Fairchild Semiconductor Corporation
654	STEPPED-SOURCE LDMOS ARCHITECTURE	12/629362	12/2/2009	8362557	1/29/2013	Fairchild Semiconductor Corporation
655	POWER SEMICONDUCTOR DEVICES AND METHODS OF MANUFACTURE	12/636011	12/11/2009	8350317	8/1/2013	Fairchild Semiconductor Corporation
656	CHIP MODULE FOR COMPLETE POWER TRAIN	12/637496	12/14/2009	7875498	1/25/2011	Fairchild Semiconductor Corporation
657	SELECTIVELY ACTIVATED THREE-STATE CHARGE PUMP	12/644646	12/22/2009	8400122	3/19/2013	Fairchild Semiconductor Corporation
658	FAST RECOVERY VOLTAGE REGULATOR	12/644669	12/22/2009	8502587	6/8/2013	Fairchild Semiconductor Corporation
659	REDUCED CURRENT CHARGE PUMP	12/644697	12/22/2009	8134403	3/13/2012	Fairchild Semiconductor Corporation
660	INTEGRATED CIRCUIT PACKAGE WITH EMBEDDED OMPONENTS	12/645075	12/22/2009	8304888	6/11/2012	Fairchild Semiconductor Corporation
661	WAFER LEVEL STACK DIE PACKAGE	12/683058	1/6/2010	8115260	2/14/2012	Fairchild Semiconductor Corporation
662	METHOD OF MANUFACTURE AND STRUCTURE FOR A TRENCH TRANSISTOR HAVING A HEAVY BODY REGION	12/685592	1/11/2010	8476133	2/7/2013	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
663	OPTOELECTRONIC CABLE ASSEMBLY HAVING MOVEABLE OPTICAL MODULE	12/688835	1/15/2010	8292516	10/23/2012	Fairchild Semiconductor Corporation
664	TRENCH-GATE FIELD EFFECT TRANSISTOR WITH CHANNEL ENHANCEMENT REGION AND METHODS OF FORMING THE SAME	12/698746	2/2/2010	7923776	12/4/2011	Fairchild Semiconductor Corporation
665	ETCHED LEADFRAME STRUCTURE	12/699600	2/3/2010	7923301	12/4/2011	Fairchild Semiconductor Corporation
666	STACKABLE SEMICONDUCTOR PACKAGE WITH EMBEDDED DIE IN PRE-MOLDED CARRIER FRAME	12/701773	2/8/2010	8314480	11/20/2012	Fairchild Semiconductor Corporation
667	MULTIPLE DETECTION CIRCUIT FOR ACCESSORY JACKS	12/705183	2/12/2010	8193834	5/6/2012	Fairchild Semiconductor Corporation
668	SEMICONDUCTOR DEVICES CONTAINING TRENCH MOSFETS WITH SUPERJUNCTIONS	12/707323	2/17/2010			Fairchild Semiconductor Corporation
669	CONTROL PIN POWERED ANALOG SWITCH	12/713032	2/25/2010	8269552	9/18/2012	Fairchild Semiconductor Corporation
670	FULLY FEATURED CONTROL PIN POWERED ANALOG SWITCH	12/713039	2/25/2010	8310301	11/13/2012	Fairchild Semiconductor Corporation
671	PERIPHERAL DEVICE HOST CHARGING	12/714054	2/26/2010	8736227	5/27/2014	Fairchild Semiconductor Corporation
672	THERMALLY ENHANCED THIN SEMICONDUCTOR PACKAGE	12/717012	3/3/2010	8193622	5/6/2012	Fairchild Semiconductor Corporation
673	MULTIPHASE SYNCHRONOUS BUCK CONVERTER	12/723128	3/12/2010	7902646	8/3/2011	Fairchild Semiconductor Corporation
674	METHOD OF MANUFACTURING A TRENCH TRANSISTOR HAVING A HEAVY BODY REGION	12/755966	4/7/2010	8044463	10/25/2011	Fairchild Semiconductor Corporation
675	CHARGE PUMP SWITCH POWER DOWN PROTECTION	12/760286	4/14/2010	8279568	2/10/2012	Fairchild Semiconductor Corporation
676	DIE BACKSIDE STANDOFF STRUCTURES FOR SEMICONDUCTOR DEVICES	12/773552	5/4/2010	8314473	11/20/2012	Fairchild Semiconductor Corporation
677	STRUCTURE WITH PN CLAMP REGIONS UNDER TRENCHES	12/779844	5/13/2010	8198687	12/6/2012	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
678	SELF-ALIGNED COMPLEMENTARY LDMOS	12/787677	5/26/2010	7875517	1/25/2011	Fairchild Semiconductor Corporation
679	INTEGRATED LOW LEAKAGE SCHOTTKY DIODE	12/788626	5/27/2010	7910410	3/22/2011	Fairchild Semiconductor Corporation
680	AUDIO AMPLIFIER PERFORMANCE WHILE MAINTAINING USB COMPLIANCE AND POWER DOWN PROTECTION	12/790122	5/28/2010	8699717	4/15/2014	Fairchild Semiconductor Corporation
681	SEMICONDUCTOR POWER DEVICE HAVING A TOP-SIDE DRAIN USING A SINKER TRENCH	12/794936	6/7/2010	8026558	9/27/2011	Fairchild Semiconductor Corporation
682	PLANAR TMBS RECTIFIER	12/795368	6/7/2010	8044461	10/25/2011	Fairchild Semiconductor Corporation
683	OVER-CURRENT PROTECTION CIRCUIT WITH FOLDBACK CAPABILITY	12/814775	6/14/2010	8213147	3/7/2012	Fairchild Semiconductor Corporation
684	UNIVERSAL SERIAL BUS (USB) TO DIGITAL VIDEO	12/815552	6/15/2010	8255576	8/28/2012	Fairchild Semiconductor Corporation
685	UNIVERSAL SERIAL BUS (USB) TO DIGITAL VIDEO	12/815563	6/15/2010	8316164	11/20/2012	Fairchild Semiconductor Corporation
686	TRENCH MOS BARRIER SCHOTTKY RECTIFIER WITH A PLANAR SURFACE USING CMP TECHNIQUES	12/819023	6/18/2010	8432000	4/30/2013	Fairchild Semiconductor Corporation
687	TRENCH MOS BARRIER SCHOTTKY RECTIFIER WITH A PLANAR SURFACE USING CMP TECHNIQUES	12/819109	6/18/2010	8319290	11/27/2012	Fairchild Semiconductor Corporation
688	METHOD OF FORMING A FET HAVING ULTRA-LOW ON-RESISTANCE AND LOW GATE CHARGE	12/821590	6/23/2010	8101484	1/24/2012	Fairchild Semiconductor Corporation
689	FIELD EFFECT TRANSISTOR WITH SELF-ALIGNED SOURCE AND HEAVY BODY REGIONS AND METHOD OF MANUFACTURING SAME	12/822008	6/23/2010	7955920	7/6/2011	Fairchild Semiconductor Corporation
690	SHIELDED LEVEL SHIFT TRANSISTOR	12/822471	6/24/2010	8618627	12/31/2013	Fairchild Semiconductor Corporation
691	PRE-MOLDED CLIP STRUCTURE	12/822675	6/24/2010	7838340	11/23/2010	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
692	PRE-MOLDED CLIP STRUCTURE	12/822932	6/24/2010	8008759	8/30/2011	Fairchild Semiconductor Corporation
693	SEMICONDUCTOR DIE PACKAGE AND METHOD FOR MAKING THE SAME	12/823411	6/25/2010	8183088	5/22/2012	Fairchild Semiconductor Corporation
694	SEMICONDUCTOR DIE PACKAGES USING THIN DIES AND METAL SUBSTRATES	12/823805	6/25/2010	8329508	11/12/2012	Fairchild Semiconductor Corporation
695	BUCK-BOOST REGULATOR WITH CONVERTER BYPASS FUNCTION	12/830074	7/2/2010	8508208	8/13/2013	Fairchild Semiconductor Corporation
696	METHOD OF FORMING ACTIVE AND GATE RUNNER TRENCHES	12/830770	7/6/2010	7902071	8/3/2011	Fairchild Semiconductor Corporation
697	DIE PACKAGE INCLUDING MULTIPLE DIES AND LEAD ORIENTATION	12/833781	7/9/2010	8426950	4/23/2013	Fairchild Semiconductor Corporation
698	NO POP SWITCH	12/834472	7/12/2010	9054692	9/6/2015	Fairchild Semiconductor Corporation
699	DUAL SIDE COOLING INTEGRATED POWER DEVICE MODULE AND METHODS OF MANUFACTURE	12/836664	7/15/2010	8198134	12/6/2012	Fairchild Semiconductor Corporation
700	PACKAGE WITH MULTIPLE DIES	12/838022	7/16/2010	8278149	2/10/2012	Fairchild Semiconductor Corporation
701	HIGH SPEED REFLECTED SIGNAL DETECTION FOR PRIMARY-SIDE CONTROLLED POWER CONVERTERS	12/840919	7/21/2010	8854841	10/7/2014	Fairchild Semiconductor Corporation
702	PN JUNCTION AND MOS CAPACITOR HYBRID RESURF TRANSISTOR	12/845919	7/29/2010	8076722	12/13/2011	Fairchild Semiconductor Corporation
703	SYNCHRONOUS BUCK CONVERTER USING SHIELDED GATE FIELD EFFECT TRANSISTORS	12/845999	7/29/2010	8193570	5/6/2012	Fairchild Semiconductor Corporation
704	LATERAL DRAIN MOSFET WITH IMPROVED CLAMPING VOLTAGE CONTROL	12/849535	8/3/2010	7998819	8/16/2011	Fairchild Semiconductor Corporation
705	MICROMACHINED INERTIAL SENSOR DEVICES	12/849742	8/3/2010	8739626	3/6/2014	Fairchild Semiconductor Corporation
706	MICROMACHINED DEVICES AND FABRICATING THE SAME	12/849787	8/3/2010	8710599	4/29/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
707	RESURF DEVICE INCLUDING INCREASED BREAKDOWN VOLTAGE	12/854391	8/11/2010	8269277	9/18/2010	Fairchild Semiconductor Corporation
708	METHOD FOR CONNECTING A DIE ATTACH PAD TO A LEAD FRAME AND PRODUCT THEREOF	12/855904	8/13/2010	8110492	7/2/2012	Fairchild Semiconductor Corporation
709	HIGH SPEED LOW POWER CONSUMPTION ISOLATED ANALOG CMOS UNIT	12/862163	8/24/2010	8269279	9/18/2012	Fairchild Semiconductor Corporation
710	METHOD AND APPARATUS FOR BRIDGELESS POWER FACTOR CORRECTION	12/869416	8/26/2010	8482942	9/7/2013	Fairchild Semiconductor Corporation
711	STRUCTURE RELATED TO A THICK BOTTOM DIELECTRIC (TBD) FOR TRENCH-GATE DEVICES	12/870600	8/27/2010	8669623	11/3/2014	Fairchild Semiconductor Corporation
712	INTEGRATED CIRCUIT SINGLE ENDED-TO-DIFFERENTIAL AMPLIFIER	12/874800	9/2/2010	8248164	8/21/2012	Fairchild Semiconductor Corporation
713	HIGH-IMPEDANCE NETWORK	12/874832	9/2/2010	8536924	9/17/2013	Fairchild Semiconductor Corporation
714	POWER SEMICONDUCTOR DEVICES HAVING TERMINATION STRUCTURES	12/878429	9/9/2010	8786045	7/22/2014	Fairchild Semiconductor Corporation
715	NO POP SWITCH	12/878779	9/9/2010	8625818	7/1/2014	Fairchild Semiconductor Corporation
716	FLIP CHIP MLP WITH FOLDED HEAT SINK	12/882353	9/15/2010	8119457	2/21/2012	Fairchild Semiconductor Corporation
717	HIGH-POWER SEMICONDUCTOR DIE PACKAGES WITH INTEGRATED HEAT-SINK CAPABILITY AND METHODS OF MANUFACTURING THE SAME	12/883044	9/15/2010	8193043	5/6/2012	Fairchild Semiconductor Corporation
718	POWER DEVICE WITH TRENCHES HAVING WIDER UPPER PORTION THAN LOWER PORTION	12/884072	9/16/2010	8034682	11/10/2011	Fairchild Semiconductor Corporation
719	SAMPLED CHARGE CONTROL FOR RESONANT CONVERTER	12/884874	9/17/2010	8576583	5/11/2013	Fairchild Semiconductor Corporation
720	3D SMART POWER MODULE	12/886614	9/21/2010	8088645	3/1/2012	Fairchild Semiconductor Corporation
721	HIGH BOND LINE THICKNESS FOR SEMICONDUCTOR DEVICES	12/887821	9/22/2010	9147665	9/29/2015	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
722	METHOD OF FORMING LATERAL TRENCH GATE FET WITH DIRECT SOURCE-DRAIN CURRENT PATH	12/890947	9/27/2010	8097510	1/17/2012	Fairchild Semiconductor Corporation
723	METHOD OF FORMING LOW RESISTANCE GATE FOR POWER MOSFET APPLICATIONS	12/891147	9/27/2010	8592277	11/26/2013	Fairchild Semiconductor Corporation
724	STRUCTURE AND METHOD FOR FORMING FIELD EFFECT TRANSISTOR WITH LOW RESISTANCE CHANNEL REGION	12/891616	9/27/2010	7943993	5/17/2011	Fairchild Semiconductor Corporation
725	DYNAMIC SELECTION OF OSCILLATION SIGNAL FREQUENCY FOR POWER CONVERTER	12/892817	9/28/2010	8571509	10/29/2013	Fairchild Semiconductor Corporation
726	METHOD OF FORMING A DUAL-TRENCH FIELD EFFECT TRANSISTOR	12/893997	9/29/2010	8829641	9/9/2014	Fairchild Semiconductor Corporation
727	HIGH IMPEDANCE BIAS NETWORK	12/899296	10/6/2010	8253471	8/28/2012	Fairchild Semiconductor Corporation
728	EDGE RATE CONTROL	12/899810	10/7/2010	8638148	1/28/2014	Fairchild Semiconductor Corporation
729	AUTOMATIC GAIN CONTROL	12/899829	10/7/2010	8432225	4/30/2013	Fairchild Semiconductor Corporation
730	LOW POWER POWER-ON-RESET (POR) CIRCUIT	12/904702	10/14/2010	8344767	1/1/2013	Fairchild Semiconductor Corporation
731	MULTIPLE SWITCHES AND A DELAY CIRCUIT	12/904742	10/14/2010	8665002	4/3/2014	Fairchild Semiconductor Corporation
732	METHOD OF MAKING MICROMODULES INCLUDING INTEGRATED THIN FILM INDUCTORS	12/906955	10/18/2010	8110474	7/2/2012	Fairchild Semiconductor Corporation
733	STRUCTURE AND METHOD FOR FORMING LATERALLY EXTENDING DIELECTRIC LAYER IN A TRENCH-GATE FET	12/907805	10/19/2010	8278704	2/10/2012	Fairchild Semiconductor Corporation
734	ACTIVE NOISE CANCELLATION	12/913897	10/28/2010	8750531	10/6/2014	Fairchild Semiconductor Corporation
735	METHOD AND APPARATUS FOR BONDED SUBSTRATES	12/916045	10/29/2010	8474506	2/7/2013	Fairchild Semiconductor Corporation
736	INTEGRATED LOW LEAKAGE DIODE	12/917648	11/2/2010	8283696	9/10/2012	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
737	MOLDED ULTRA THIN SEMICONDUCTOR DIE PACKAGES SYSTEMS USING THE SAME AND METHODS OF MAKING THE SAME	12/940319	11/5/2010	8168473	1/5/2012	Fairchild Semiconductor Corporation
738	HIGH-VOLTAGE PACKAGED DEVICE	12/944192	11/11/2010	8946881	3/2/2015	Fairchild Semiconductor Corporation
739	PASS TRANSISTOR CAPACITANCE AND JITTER REDUCTION	12/945327	11/12/2010	8525575	3/9/2013	Fairchild Semiconductor Corporation
740	SWITCH-MODE REGULATOR INCLUDING HYSTERETIC CONTROL	12/946458	11/15/2010	8618779	12/31/2013	Fairchild Semiconductor Corporation
741	MICROELECTROMECHANICAL SYSTEMS MICROPHONE PACKAGING SYSTEMS	12/947543	11/16/2010	8421168	4/16/2013	Fairchild Semiconductor Corporation
742	ISOLATED STACKED DIE SEMICONDUCTOR PACKAGES	12/949587	11/18/2010	8053883	8/11/2011	Fairchild Semiconductor Corporation
743	OPTIMIZING OPERATION OF DC-TO-AC POWER CONVERTER	12/952045	11/22/2010	8320140	11/27/2012	Fairchild Semiconductor Corporation
744	STABLE ON-RESISTANCE SWITCH CIRCUIT	12/953162	11/23/2010	8330523	11/12/2012	Fairchild Semiconductor Corporation
745	METHOD FOR FORMING A SHIELDED GATE TRENCH FET	12/958689	12/2/2010	8129241	6/3/2012	Fairchild Semiconductor Corporation
746	MULTI-CHIP MODULE FOR BATTERY POWER CONTROL	12/964691	12/9/2010	8003447	8/23/2011	Fairchild Semiconductor Corporation
747	SELF LOCKING AND ALIGNING CLIP STRUCTURE FOR SEMICONDUCTOR DIE PACKAGE	12/964933	12/10/2010	8067273	11/29/2011	Fairchild Semiconductor Corporation
748	FUSE DRIVER CIRCUITS	12/965611	12/10/2010	9224566	12/29/2015	Fairchild Semiconductor Corporation
749	WIDE BANDGAP DEVICE IN PARALLEL WITH A DEVICE THAT HAS A LOWER AVALANCHE BREAKDOWN VOLTAGE AND A HIGHER FORWARD VOLTAGE DROP THAN THE WIDE BANDGAP DEVICE	12/974599	12/21/2010	8357976	1/22/2013	Fairchild Semiconductor Corporation
750	MULTI-LEVEL CONTROL FOR PASS TRANSISTOR GATE VOLTAGE	12/977535	12/23/2010	8542055	9/24/2013	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
751	LED DRIVE CIRCUIT WITH A PROGRAMMABLE INPUT FOR LED LIGHTING	12/978836	12/27/2010	8742677	6/3/2014	Fairchild Semiconductor Corporation
752	POWER DEVICE WITH IMPROVED EDGE TERMINATION	12/982051	12/30/2010	8063442	11/22/2011	Fairchild Semiconductor Corporation
753	METHOD OF FORMING A TOPSIDE CONTACT TO A BACKSIDE TERMINAL OF A SEMICONDUCTOR DEVICE	12/982509	12/30/2010	8536042	9/17/2013	Fairchild Semiconductor Corporation
754	INPUT POWER PORT PROTECTION COMPONENT	12/982939	12/31/2010	9019674	4/28/2015	Fairchild Semiconductor Corporation
755	INTEGRATED COMPLEMENTARY LOW VOLTAGE RF-LDMOS	13/005593	1/13/2011	8324042	4/12/2012	Fairchild Semiconductor Corporation
756	SIP SUBSTRATE	13/005618	1/13/2011	8372690	12/2/2013	Fairchild Semiconductor Corporation
757	DIFFERENTIAL THERMISTOR CIRCUIT	13/014317	1/26/2011	8727616	5/20/2014	Fairchild Semiconductor Corporation
758	STRUCTURE AND METHOD FOR POST OXIDATION SILICON TRENCH BOTTOM SHAPING	13/015448	1/27/2011	8624302	7/1/2014	Fairchild Semiconductor Corporation
759	METHOD TO IMPROVE THE RELIABILITY OF THE BREAKDOWN VOLTAGE IN HIGH VOLTAGE DEVICES	13/015666	1/28/2011	8357562	1/22/2013	Fairchild Semiconductor Corporation
760	ADAPTIVE RESPONSE TIME ACCELERATION	13/026449	2/14/2011	8619240	12/31/2013	Fairchild Semiconductor Corporation
761	STRUCTURE AND METHOD FOR SEMICONDUCTOR POWER DEVICES	13/028054	2/15/2011	8541840	9/24/2013	Fairchild Semiconductor Corporation
762	DYNAMIC CURRENT BOOST IN CLASS AB AMPLIFIER FOR LOW DISTORTION	13/028302	2/16/2011	8373505	12/2/2013	Fairchild Semiconductor Corporation
763	PASS GATE OFF ISOLATION	13/028731	2/16/2011	8564918	10/22/2013	Fairchild Semiconductor Corporation
764	POWER MODULES WITH REVERSE POLARITY PROTECTION	13/030092	2/17/2011	8593771	11/26/2013	Fairchild Semiconductor Corporation
765	SEMICONDUCTOR DIE PACKAGE INCLUDING IC DRIVER AND BRIDGE	13/034584	2/24/2011	8674490	3/18/2014	Fairchild Semiconductor Corporation
766	LOW TEMPERATURE DIELECTRIC FLOW USING MICROWAVES	13/035653	2/25/2011	8569183	10/29/2013	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
767	LAMBDA CORRECTION FOR CURRENT FOLDBACK	13/042078	3/7/2011	8610415	12/17/2013	Fairchild Semiconductor Corporation
768	METHOD OF FORMING SHIELDED GATE POWER TRANSISTOR UTILIZING CHEMICAL MECHANICAL PLANARIZATION	13/042292	3/7/2011	8461040	11/6/2013	Fairchild Semiconductor Corporation
769	MOSFET DEVICE WITH THICK TRENCH BOTTOM OXIDE	13/049629	3/16/2011	8598654	3/12/2013	Fairchild Semiconductor Corporation
770	INTER-POLY DIELECTRIC IN A SHIELDED GATE MOSFET DEVICE	13/049655	3/16/2011	8610205	12/17/2013	Fairchild Semiconductor Corporation
771	BUFFER SYSTEM HAVING REDUCED THRESHOLD CURRENT	13/069624	3/23/2011	8575963	5/11/2013	Fairchild Semiconductor Corporation
772	LD MOS WITH SELF ALIGNED VERTICAL LDD BACKSIDE DRAIN	13/072494	3/25/2011	8450177	5/28/2013	Fairchild Semiconductor Corporation
773	A VERTICAL MOSFET TRANSISTOR HAVING SOURCE/DRAIN CONTACTS DISPOSED ON THE SAME SIDE AND METHOD FOR MANUFACTURING THE SAME	13/074921	3/29/2011	8487371	7/16/2013	Fairchild Semiconductor Corporation
774	METHOD OF FORMING TRENCH-GATE FIELD EFFECT TRANSISTORS	13/075091	3/29/2011	8043913	10/25/2011	Fairchild Semiconductor Corporation
775	SHIELDED GATE FIELD EFFECT TRANSISTORS	13/081400	4/6/2011	8803207	12/8/2014	Fairchild Semiconductor Corporation
776	SHIELDED GATE TRENCH FET WITH AN INTER-ELECTRODE DIELECTRIC HAVING A LOW-K DIELECTRIC THEREIN	13/083253	4/8/2011	8329538	11/12/2012	Fairchild Semiconductor Corporation
777	METHOD FOR FORMING ACCUMULATION-MODE FIELD EFFECT TRANSISTOR WITH IMPROVED CURRENT CAPABILITY	13/083406	4/8/2011	8518777	8/27/2013	Fairchild Semiconductor Corporation
778	DOUBLE LAYER METAL (DLM) POWER MOSFET	13/091578	4/21/2011	8502313	6/8/2013	Fairchild Semiconductor Corporation
779	MULTI-LEVEL OPTIONS FOR POWER MOSFETS	13/091681	4/21/2011	8502314	6/8/2013	Fairchild Semiconductor Corporation
780	SYNCHRONIZING FREQUENCY AND PHASE OF MULTIPLE VARIABLE FREQUENCY POWER CONVERTERS	13/093629	4/25/2011	8279645	2/10/2012	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
781	METHOD AND STRUCTURE FOR DIVIDING A SUBSTRATE INTO INDIVIDUAL DEVICES	13/095584	4/27/2011	8343852	1/1/2013	Fairchild Semiconductor Corporation
782	SUPERJUNCTION STRUCTURES FOR POWER DEVICES AND METHODS OF MANUFACTURE	13/095664	4/27/2011	8786010	7/22/2014	Fairchild Semiconductor Corporation
783	SUPERJUNCTION STRUCTURES FOR POWER DEVICES AND METHODS OF MANUFACTURE	13/095670	4/27/2011	8772868	8/7/2014	Fairchild Semiconductor Corporation
784	SUPERJUNCTION STRUCTURES FOR POWER DEVICES AND METHODS OF MANUFACTURE	13/095678	4/27/2011	8673700	3/18/2014	Fairchild Semiconductor Corporation
785	SUPERJUNCTION STRUCTURES FOR POWER DEVICES AND METHODS OF MANUFACTURE	13/095690	4/27/2011	8836028	9/16/2014	Fairchild Semiconductor Corporation
786	LOW LATENCY INTERRUPT COLLECTOR	13/098898	5/2/2011	8713235	4/29/2014	Fairchild Semiconductor Corporation
787	EFFICIENT INPUT VOLTAGE SENSING TECHNIQUE	13/102667	5/6/2011	8724278	5/13/2014	Fairchild Semiconductor Corporation
788	ESD PROTECTION ON HIGH IMPEDANCE MIC INPUT	13/103514	5/9/2011	8599525	3/12/2013	Fairchild Semiconductor Corporation
789	STRUCTURE AND METHOD FOR FORMING PLANAR GATE FIELD EFFECT TRANSISTOR WITH LOW RESISTANCE CHANNEL REGION	13/103728	5/9/2011	8278686	2/10/2012	Fairchild Semiconductor Corporation
790	SHIELD CONTACTS IN A SHIELDED GATE MOSFET	13/104006	5/9/2011	8338285	12/25/2012	Fairchild Semiconductor Corporation
791	CONSTANT VGS ANALOG SWITCH	13/107491	5/13/2011	8547159	1/10/2013	Fairchild Semiconductor Corporation
792	CAPACITOR CONTROLLED SWITCH SYSTEM	13/109440	5/17/2011	8818005	8/26/2014	Fairchild Semiconductor Corporation
793	REMOTE DISPLAY GLASSES CAMERA SYSTEM AND METHOD	13/109485	5/17/2011	8767083	1/7/2014	Fairchild Semiconductor Corporation
794	EMBEDDED SEMICONDUCTOR POWER MODULES AND PACKAGES	13/110865	5/18/2011	8421204	4/16/2013	Fairchild Semiconductor Corporation
795	UNDER VOLTAGE TOLERANT CLAMP	13/114738	5/24/2011	9391063	12/7/2016	Fairchild Semiconductor Corporation
796	VBUS POWER SWITCH	13/114761	5/24/2011	9209651	8/12/2015	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
797	RAIL TO RAIL COMPARATOR WITH WIDE HYSTERESIS AND MEMORY	13/149399	5/31/2011	9059692	6/16/2015	Fairchild Semiconductor Corporation
798	SEMICONDUCTOR DICE WITH BACKSIDE TRENCHES FILLED WITH ELASTIC MATERIAL FOR IMPROVED ATTACHMENT PACKAGES USING THE SAME AND METHODS OF MAKING THE SAME	13/151495	6/2/2011	8598035	3/12/2013	Fairchild Semiconductor Corporation
799	FIELD EFFECT TRANSISTOR WITH GATED AND NON-GATED TRENCHES	13/152041	6/2/2011	8278705	2/10/2012	Fairchild Semiconductor Corporation
800	HIGH ASPECT RATIO TRENCH STRUCTURES WITH VOID-FREE FILL MATERIAL	13/154228	6/6/2011	8198196	12/6/2012	Fairchild Semiconductor Corporation
801	OUTPUT BUFFER WITH ADJUSTABLE FEEDBACK	13/156067	6/8/2011	8405424	3/26/2013	Fairchild Semiconductor Corporation
802	TRENCH POWER MOSFET WITH REDUCED ON-RESISTANCE	13/158927	6/13/2011	8362550	1/29/2013	Fairchild Semiconductor Corporation
803	DETERMINING AUTOMATIC GAIN CONTROL LEVELS	13/159167	6/13/2011	8824701	2/9/2014	Fairchild Semiconductor Corporation
804	WAFER LEVEL EMBEDDED AND STACKED DIE POWER SYSTEM-IN-PACKAGE PACKAGES	13/171577	6/29/2011	8247269	8/21/2012	Fairchild Semiconductor Corporation
805	CONDUCTIVE CHIP DISPOSED ON LEAD SEMICONDUCTOR PACKAGE	13/177060	7/6/2011	8525321	3/9/2013	Fairchild Semiconductor Corporation
806	CHARGE BALANCE SEMICONDUCTOR DEVICES WITH INCREASED MOBILITY STRUCTURES	13/177931	7/7/2011	8816429	8/26/2014	Fairchild Semiconductor Corporation
807	SEMICONDUCTOR POWER DEVICE HAVING A TOP-SIDE DRAIN USING A SINKER TRENCH	13/178391	7/7/2011	8148233	3/4/2012	Fairchild Semiconductor Corporation
808	SUBSONIC TEST SIGNAL GENERATION TECHNIQUE	13/180801	7/12/2011	9083322	7/14/2015	Fairchild Semiconductor Corporation
809	PRE-MOLDED CLIP STRUCTURE	13/186246	7/19/2011	8513059	8/20/2013	Fairchild Semiconductor Corporation
810	AUDIO JACK DETECTION AND CONFIGURATION	13/188778	7/22/2011	8831234	9/9/2014	Fairchild Semiconductor Corporation
811	NO PIN TEST MODE	13/188802	7/22/2011	8829932	9/9/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
812	AUDIO JACK RESET	13/188834	7/22/2011	8817994	8/26/2014	Fairchild Semiconductor Corporation
813	MIC/GND DETECTION AND AUTOMATIC SWITCH	13/189480	7/22/2011			Fairchild Semiconductor Corporation
814	BOOST POWER CONVERTER WITH HIGH-SIDE ACTIVE DAMPING IN DISCONTINUOUS CONDUCTION MODE	13/193311	7/28/2011	8907639	9/12/2014	Fairchild Semiconductor Corporation
815	HIGH VOLTAGE STARTUP CIRCUIT	13/207798	8/11/2011	8638575	1/28/2014	Fairchild Semiconductor Corporation
816	SELF-SUSTAINING HIGH VOLTAGE TOLERANT POWER SUPPLY	13/210217	8/15/2011	8791679	7/29/2014	Fairchild Semiconductor Corporation
817	THREE-DIMENSIONAL SEMICONDUCTOR DEVICE STRUCTURES AND METHODS	13/212175	8/18/2011	8476703	2/7/2013	Fairchild Semiconductor Corporation
818	DIFFERENTIAL SENSING FOR VOLTAGE CONTROL IN A POWER SUPPLY CIRCUIT	13/216522	8/24/2011	8633680	1/21/2014	Fairchild Semiconductor Corporation
819	APPARATUS AND METHODS OF SOFT-START IN A HYSTERETIC POWER CONVERTER	13/216565	8/24/2011	8742741	3/6/2014	Fairchild Semiconductor Corporation
820	METHODS OF ANUFACTURING POWER SEMICONDUCTOR DEVICES WITH TRENCHED SHIELDED SPLIT GATE TRANSISTOR	13/219229	8/26/2011	8889511	11/18/2014	Fairchild Semiconductor Corporation
821	METHODS OF MANUFACTURING POWER SEMICONDUCTOR DEVICES WITH SHIELD AND GATE CONTACTS	13/219281	8/26/2011	8129245	6/3/2011	Fairchild Semiconductor Corporation
822	HIGH TEMPERATURE OPERATING PACKAGE AND CIRCUIT DESIGN	13/221179	8/30/2011	8803239	12/8/2014	Fairchild Semiconductor Corporation
823	NON-LINEAR POWER MANAGEMENT DEVICE FOR INPUT POWER PROTECTION	13/225713	9/6/2011	8619397	12/31/2013	Fairchild Semiconductor Corporation
824	SEMICONDUCTOR PACKAGE WITH AN EMBEDDED PRINTED CIRCUIT BOARD AND STACKED DIE	13/227802	9/8/2011	8426953	4/23/2013	Fairchild Semiconductor Corporation
825	SILICON CARBIDE BIPOLAR JUNCTION TRANSISTOR (BJT) HAVING A SURFACE ELECTRODE DISPOSED ON TOP OF A DIELECTRIC LAYER FORMED AT	13/243056	9/23/2011	8378390	2/19/2013	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
	A REGION BETWEEN EMITTER CONTACT AND BASE CONTACT					
826	ISOLATED STACKED DIE SEMICONDUCTOR PACKAGES	13/245210	9/26/2011	8198132	12/6/2012	Fairchild Semiconductor Corporation
827	DIE PACKAGE INCLUDING SUBSTRATE WITH MOLDED DEVICE	13/246682	9/27/2011	8525192	3/9/2013	Fairchild Semiconductor Corporation
828	POWER DEVICE WITH SELF-ALIGNED SOURCE REGIONS	13/270050	10/10/2011	8716783	6/5/2014	Fairchild Semiconductor Corporation
829	BRIDGE CIRCUIT PROVIDING A POLARITY INSENSITIVE POWER CONNECTION	13/270726	10/11/2011	8531226	10/9/2013	Fairchild Semiconductor Corporation
830	PROPORTIONAL BIAS SWITCH DRIVER CIRCUIT	13/271185	10/11/2011	8947896	3/2/2015	Fairchild Semiconductor Corporation
831	AMPLIFIER CROSSTALK CANCELLATION TECHNIQUE	13/272021	10/12/2011	8831230	9/9/2014	Fairchild Semiconductor Corporation
832	POWER MANAGEMENT WITH OVER VOLTAGE PROTECTION	13/274654	10/17/2011	8836166	9/16/2014	Fairchild Semiconductor Corporation
833	EMBEDDED DIE PACKAGE ON PACKAGE (POP) WITH PRE-MOLDED LEADFRAME	13/276372	10/19/2011	8389338	5/3/2013	Fairchild Semiconductor Corporation
834	HYBRID-MODE LDMOS	13/278616	10/21/2011	8329542	11/12/2012	Fairchild Semiconductor Corporation
835	METHOD OF MANUFACTURING A SIC BIPOLAR JUNCTION TRANSISTOR AND SIC BIPOLAR JUNCTION TRANSISTOR THEREOF	13/279053	10/21/2011	8823410	2/9/2014	Fairchild Semiconductor Corporation
836	STRUCTURE AND METHOD FOR FORMING TRENCH-GATE FIELD EFFECT TRANSISTOR WITH SOURCE PLUG	13/279085	10/21/2011	8441069	5/14/2013	Fairchild Semiconductor Corporation
837	SEMICONDUCTOR STRUCTURE WITH A PLANAR SCHOTTKY CONTACT	13/279107	10/21/2011	8450798	5/28/2013	Fairchild Semiconductor Corporation
838	INTEGRATED GATE RUNNER AND FIELD IMPLANT TERMINATION FOR TRENCH DEVICES	13/280452	10/25/2011	8872278	10/28/2014	Fairchild Semiconductor Corporation
839	REDUCED PROCESS SENSITIVITY OF ELECTRODE-SEMICONDUCTOR RECTIFIERS	13/283496	10/27/2011	8492837	7/23/2013	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
840	HIGH EFFICIENCY THERMALLY STABLE REGULATORS AND ADJUSTABLE ZENER DIODES	13/285127	10/31/2011	8981736	3/17/2015	Fairchild Semiconductor Corporation
841	BOOST CONVERTER WITH MULTI-MODE SYNCHRONOUS RECTIFIER	13/287608	11/2/2011	8754616	6/17/2014	Fairchild Semiconductor Corporation
842	EDGE RATE CONTROL GATE DRIVER FOR SWITCHING POWER CONVERTERS	13/294558	11/11/2011	8860398	10/14/2014	Fairchild Semiconductor Corporation
843	REDUCED TEMPERATURE DEPENDENT HYSTERETIC COMPARATOR	13/301990	11/22/2011	8598913	3/12/2013	Fairchild Semiconductor Corporation
844	ENABLE AND DISABLE COMPARATOR VOLTAGE REFERENCE	13/302644	11/22/2011	9014388	4/21/2015	Fairchild Semiconductor Corporation
845	ENVELOPE EXTRACTION WITH REDUCED BANDWIDTH FOR POWER MODULATION	13/309862	12/2/2011	9054937	9/6/2015	Fairchild Semiconductor Corporation
846	WAFER LEVEL STACK DIE PACKAGE	13/323979	12/13/2011	8211747	3/7/2012	Fairchild Semiconductor Corporation
847	SEMICONDUCTOR DIE PACKAGE	13/324078	12/13/2011			Fairchild Semiconductor Corporation
848	HIGH-VOLTAGE SEMICONDUCTOR DEVICE WITH LATERAL SERIES CAPACITIVE STRUCTURE	13/325712	12/14/2011	8592906	11/26/2013	Fairchild Semiconductor Corporation
849	SEMICONDUCTOR DEVICE WITH (110)-ORIENTED SILICON	13/328179	12/16/2011	8338886	12/25/2012	Fairchild Semiconductor Corporation
850	CONSTANT VGS SWITCH	13/331332	12/20/2011	8779839	7/15/2014	Fairchild Semiconductor Corporation
851	METHODS AND APPARATUS FOR OSCILLATOR FREQUENCY CALIBRATION	13/333186	12/21/2011	8692621	8/4/2014	Fairchild Semiconductor Corporation
852	PROPORTIONAL BIAS SWITCH DRIVER CIRCUIT WITH CURRENT TRANSFORMER	13/336136	12/23/2011	8981819	3/17/2015	Fairchild Semiconductor Corporation
853	NEGATIVE CHARGE PUMP	13/338198	12/27/2011	8456225	4/6/2013	Fairchild Semiconductor Corporation
854	METHODS AND APPARATUS FOR SELF-TRIM CALIBRATION OF AN OSCILLATOR	13/341490	12/30/2011	8564375	10/22/2013	Fairchild Semiconductor Corporation
855	ONE-TIME PROGRAMMABLE FUSE READ	13/341609	12/30/2011	8817517	8/26/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
856	WAFER LEVEL BUCK CONVERTER	13/342446	1/3/2012	8222081	7/17/2012	Fairchild Semiconductor Corporation
857	FET DEVICE HAVING ULTRA-LOW ON-RESISTANCE AND LOW GATE CHARGE	13/344269	1/5/2012	8710584	4/29/2014	Fairchild Semiconductor Corporation
858	STARTUP CIRCUIT AND INPUT CAPACITOR BALANCING CIRCUIT	13/347616	1/10/2012	8971069	3/3/2015	Fairchild Semiconductor Corporation
859	ESD PROTECTION AGAINST CHARGE COUPLING	13/348949	1/12/2012	8830639	9/9/2014	Fairchild Semiconductor Corporation
860	DC OFFSET TRACKING CIRCUIT	13/350244	1/13/2012	8829991	9/9/2014	Fairchild Semiconductor Corporation
861	INTEGRATED OVERDRIVE AND OVERVOLTAGE PROTECTION DEVICE	13/350565	1/13/2012	8861164	10/14/2014	Fairchild Semiconductor Corporation
862	SUCCESSIVE APPROXIMATION RESISTOR DETECTION	13/359006	1/26/2012	9229833	5/1/2016	Fairchild Semiconductor Corporation
863	MEMS MULTI-AXIS ACCELEROMETER ELECTRODE STRUCTURE	13/362955	1/31/2012	9062972	6/23/2015	Fairchild Semiconductor Corporation
864	MEMS PROOF MASS WITH SPLIT Z-AXIS PORTIONS	13/363537	2/1/2012	8978475	3/17/2015	Fairchild Semiconductor Corporation
865	LATERAL POWER DIODE WITH SELF-BIASING ELECTRODE	13/365983	2/3/2012	8659117	2/25/2014	Fairchild Semiconductor Corporation
866	HIGH SIDE DRIVER CIRCUITRY	13/368139	2/7/2012	9013903	4/21/2015	Fairchild Semiconductor Corporation
867	FOUR MOSFET FULL BRIDGE MODULE	13/397285	2/15/2012	8367481	5/2/2013	Fairchild Semiconductor Corporation
868	METHODS AND DESIGNS FOR LOCALIZED WAFER THINNING	13/404317	2/24/2012	8624393	7/1/2014	Fairchild Semiconductor Corporation
869	TRENCH JUNCTION FIELD-EFFECT TRANSISTOR	13/408212	2/29/2012	8704296	4/22/2014	Fairchild Semiconductor Corporation
870	METHODS AND APPARATUS RELATED TO A REPEATER	13/408441	2/29/2012	9020418	4/28/2015	Fairchild Semiconductor Corporation
871	METHODS AND APPARATUS RELATED TO AN IMPROVED COMPLEMENTARY MOSFET SWITCH	13/410932	3/2/2012	8624663	7/1/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
872	GROUND FAULT CIRCUIT INTERRUPTER (GFCI) MONITOR	13/411550	3/3/2012	8760824	6/24/2014	Fairchild Semiconductor Corporation
873	OVER-VOLTAGE TOLERANT LEVEL DETECTION CIRCUIT	13/414120	3/7/2012	9018982	4/28/2015	Fairchild Semiconductor Corporation
874	SHIELDED GATE MOSFET DEVICE WITH A FUNNEL-SHAPED TRENCH	13/416416	3/9/2012	8816431	8/26/2014	Fairchild Semiconductor Corporation
875	ECM DIGITAL MICROPHONE TEMPERATURE COMPENSATION	13/416495	3/9/2012	9014399	4/21/2015	Fairchild Semiconductor Corporation
876	METHODS RELATED TO POWER SEMICONDUCTOR DEVICES WITH THICK BOTTOM OXIDE LAYERS	13/418128	3/12/2012	8936985	1/20/2015	Fairchild Semiconductor Corporation
877	UNDERVOLTAGE PROTECTION SYSTEM	13/424960	3/20/2012	8885309	11/11/2014	Fairchild Semiconductor Corporation
878	METHODS AND APPARATUS FOR VOLTAGE SELECTION FOR A MOSFET SWITCH DEVICE	13/427481	3/22/2012	8710900	4/29/2014	Fairchild Semiconductor Corporation
879	APPARATUS RELATED TO A DIODE DEVICE INCLUDING A JFET PORTION	13/427541	3/22/2012	9263438	2/16/2016	Fairchild Semiconductor Corporation
880	POWER DOWN ENABLED ANALOG SWITCH	13/428218	3/23/2012	8502595	6/8/2013	Fairchild Semiconductor Corporation
881	NO-POWER NORMALLY CLOSED ANALOG SWITCH	13/428382	3/23/2012	8928392	6/1/2015	Fairchild Semiconductor Corporation
882	SEMICONDUCTOR DIE PACKAGE AND METHOD FOR MAKING THE SAME	13/430347	3/26/2012	8664752	4/3/2014	Fairchild Semiconductor Corporation
883	MOBILE DEVICE AUTO DETECTION APPARATUS AND METHOD	13/443259	4/10/2012	8683087	3/25/2014	Fairchild Semiconductor Corporation
884	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	13/443986	4/11/2012	8563377	10/22/2013	Fairchild Semiconductor Corporation
885	CLASS D PULSE WIDTH MODULATOR WITH DUAL FEEDBACK	13/445574	4/12/2012	8866544	10/21/2014	Fairchild Semiconductor Corporation
886	DC VOLTAGE ERROR PROTECTION CIRCUIT	13/447448	4/16/2012			Fairchild Semiconductor Corporation
887	HYBRID CONTROL TECHNIQUES FOR SERIES RESONANT CONVERTER	13/447762	4/16/2012	8817498	8/26/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
888	SCHOTTKY DIODE WITH OPPOSITE-POLARITY SCHOTTKY DIODE FIELD GUARD RING	13/451350	4/19/2012	8736013	5/27/2014	Fairchild Semiconductor Corporation
889	SWITCHING TECHNIQUES TO REDUCE CURRENT OVERSHOOT IN A DC TO DC CONVERTER	13/453042	4/23/2012	9312746	12/4/2016	Fairchild Semiconductor Corporation
890	CIRCUIT AND METHOD FOR DETECTING MULTIPLE SUPPLY VOLTAGES	13/458574	4/27/2012	8536900	9/17/2013	Fairchild Semiconductor Corporation
891	POWER-ON-RESET CIRCUIT AND RESET METHOD	13/459117	4/28/2012	8547147	1/10/2013	Fairchild Semiconductor Corporation
892	MULTI-LEVEL LATERAL FLOATING COUPLED CAPACITOR TRANSISTOR STRUCTURES	13/461646	5/1/2012	8580644	12/11/2013	Fairchild Semiconductor Corporation
893	METHOD AND SYSTEM THAT DETERMINES THE VALUE OF A RESISTOR IN LINEAR AND NON-LINEAR RESISTOR SETS	13/469737	5/11/2012	9279840	8/3/2016	Fairchild Semiconductor Corporation
894	DEPLETION-MODE CIRCUIT	13/471832	5/15/2012	8610489	12/17/2013	Fairchild Semiconductor Corporation
895	CONSTANT VGS CHARGE PUMP FOR LOAD SWITCH APPLICATIONS	13/481267	5/25/2012	8536928	9/17/2013	Fairchild Semiconductor Corporation
896	LOAD SWITCH WITH TRUE REVERSE CURRENT BLOCKING	13/483291	5/30/2012	9236375	12/1/2016	Fairchild Semiconductor Corporation
897	HIGH VOLTAGE CLAMP CIRCUIT	13/483914	5/30/2012	8729950	5/20/2014	Fairchild Semiconductor Corporation
898	CURRENT OVERSHOOT LIMITING CIRCUIT	13/484962	5/31/2012	8917034	12/23/2014	Fairchild Semiconductor Corporation
899	FOLDED LEADFRAME MULTIPLE DIE PACKAGE	13/492074	6/8/2012	8508025	8/13/2013	Fairchild Semiconductor Corporation
900	FLEXIBLE POWER MODULE SEMICONDUCTOR PACKAGES	13/495916	6/13/2012	8604610	10/12/2013	Fairchild Semiconductor Corporation
901	SOFT-START CONTROL TECHNIQUES FOR A SWITCHED-MODE POWER SUPPLY	13/508615	10/10/2012	9030183	12/5/2015	Fairchild Semiconductor Corporation
902	SYNCHRONOUS RECTIFIER CONTROL TECHNIQUES FOR A RESONANT CONVERTER	13/508649	8/15/2012	9083247	7/14/2015	Fairchild Semiconductor Corporation
903	MIPI ANALOG SWITCH FOR AUTOMATIC SELECTION OF MULTIPLE IMAGE SENSORS	13/529441	6/21/2012	8704552	4/22/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
904	ACTIVE AUDIO TRANSDUCER PROTECTION	13/530757	6/22/2012	9154101	6/10/2015	Fairchild Semiconductor Corporation
905	SINGLE CRYSTAL U-MOS GATES USING MICROWAVE CRYSTAL REGROWTH	13/543033	7/6/2012	8658500	2/25/2014	Fairchild Semiconductor Corporation
906	PACKAGE WITH MULTIPLE DIES	13/546431	7/11/2012	8754509	6/17/2014	Fairchild Semiconductor Corporation
907	SEMICONDUCTOR DIE PACKAGE AND METHOD FOR MAKING THE SAME	13/548250	7/13/2012	8497164	7/30/2013	Fairchild Semiconductor Corporation
908	SHIELDED GATE TRENCH FET WITH MULTIPLE CHANNELS (AS AMENDED)	13/553285	7/19/2012	9224853	12/29/2015	Fairchild Semiconductor Corporation
909	SYNCHRONOUS BUCK CONVERTER WITH DYNAMICALLY ADJUSTABLE LOW SIDE GATE DRIVER	13/554881	7/20/2012	8884597	11/11/2014	Fairchild Semiconductor Corporation
910	APPARATUS RELATED TO AN INDUCTIVE SWITCHING TEST	13/559048	7/26/2012	9097759	4/8/2015	Fairchild Semiconductor Corporation
911	MULTIPLE BATTERY POWER PATH MANAGEMENT SYSTEM	13/559236	7/26/2012			Fairchild Semiconductor Corporation
912	SIMULATING POWER SUPPLY INDUCTOR CURRENT	13/564170	8/1/2012	8760134	6/24/2014	Fairchild Semiconductor Corporation
913	DETECTION AND GSM NOISE FILTERING	13/569746	8/8/2012	9294857	3/22/2016	Fairchild Semiconductor Corporation
914	AUDIO JACK DETECTION CIRCUIT	13/569869	8/8/2012			Fairchild Semiconductor Corporation
915	MIC AUDIO NOISE FILTERING	13/569944	8/8/2012	9432786	8/30/2016	Fairchild Semiconductor Corporation
916	MULTI-CHIP MODULE POWER CLIP	13/584015	8/13/2012	8723300	5/13/2014	Fairchild Semiconductor Corporation
917	DETECTING ACCESSORIES ON AN AUDIO OR VIDEO JACK	13/584465	8/13/2012	8489782	7/16/2013	Fairchild Semiconductor Corporation
918	PROTECTIVE MULTIPLEXER	13/589690	8/20/2012	8975923	10/3/2015	Fairchild Semiconductor Corporation
919	DIE BACKSIDE STANDOFF STRUCTURES FOR SEMICONDUCTOR DEVICES	13/597500	8/29/2012	8722528	5/13/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
920	FIELD EFFECT TRANSISTOR AND SCHOTTKY DIODE STRUCTURES	13/600184	8/30/2012	8680611	3/25/2014	Fairchild Semiconductor Corporation
921	UNBALANCED PARALLEL CIRCUIT PROTECTION FUSE DEVICE	13/601510	8/31/2012	8866256	10/21/2014	Fairchild Semiconductor Corporation
922	IMPROVED STARTUP OF DC-DC CONVERTERS UTILIZING MULTIPLE POWER SEGMENTS	13/621380	9/17/2012	8957657	2/17/2015	Fairchild Semiconductor Corporation
923	CHARGER DETECTION WITH PROPRIETARY CHARGER SUPPORT	13/627377	9/26/2012	9148026	9/29/2015	Fairchild Semiconductor Corporation
924	BIPOLAR JUNCTION TRANSISTOR WITH STAIR PROFILE	13/629174	9/27/2012	8748943	10/6/2014	Fairchild Semiconductor Corporation
925	FIELD EFFECT TRANSISTOR WITH SOURCE HEAVY BODY REGION AND SHIELDED GATE	13/633038	10/1/2012	8592895	11/26/2013	Fairchild Semiconductor Corporation
926	USE OF PLATE OXIDE LAYERS TO INCREASE BULK OXIDE THICKNESS IN SEMICONDUCTOR DEVICES	13/665414	10/31/2012	8822296	2/9/2014	Fairchild Semiconductor Corporation
927	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	13/667319	11/2/2012	9293526	3/22/2016	Fairchild Semiconductor Corporation
928	PHOTOVOLTAIC SYSTEM POWER OPTIMIZATION	13/671278	11/7/2012	9276402	1/3/2016	Fairchild Semiconductor Corporation
929	PIN SELECTABLE I2C SLAVE ADDRESSES	13/679465	11/16/2012	9037766	5/19/2015	Fairchild Semiconductor Corporation
930	UNIVERSAL SERIAL BUS (USB) TO DIGITAL VIDEO	13/680916	11/19/2012	8825930	2/9/2014	Fairchild Semiconductor Corporation
931	SYSTEMS AND METHODS FOR OUTPUT CONTROL	13/683321	11/21/2012	8816721	8/26/2014	Fairchild Semiconductor Corporation
932	DUAL INPUT SINGLE OUTPUT POWER MULTIPLEXER FOR NEAR FIELD COMMUNICATION APPLICATION	13/684430	11/23/2012	9236912	12/1/2016	Fairchild Semiconductor Corporation
933	SIC BIPOLAR JUNCTION TRANSISTOR WITH OVERGROWN EMITTER	13/688067	11/28/2012	8785945	7/22/2014	Fairchild Semiconductor Corporation
934	METHOD OF MANUFACTURING ASIC BIPOLAR JUNCTION TRANSISTOR AND SIC BIPOLAR JUNCTION TRANSISTOR THEREOF	13/689681	11/29/2012	8704546	4/22/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
935	DEVICES METHODS AND SYSTEMS WITH MOS-GATED TRENCH-TO-TRENCH LATERAL CURRENT FLOW	13/710006	12/10/2012	8704301	4/22/2014	Fairchild Semiconductor Corporation
936	DC/DC CONVERTER WITH SHUNT CIRCUITRY	13/718143	12/18/2012	9201441	1/12/2015	Fairchild Semiconductor Corporation
937	POWER SWITCHING SYSTEM WITH CONTROL SIGNAL DRIVEN SUPPLY VOLTAGE	13/726726	12/26/2012	9273626	1/3/2016	Fairchild Semiconductor Corporation
938	START-UP CIRCUITRY	13/730042	12/28/2012	9106149	11/8/2015	Fairchild Semiconductor Corporation
939	DIMMER CONTROL WITH SOFT START OVER-CURRENT PROTECTION	13/738071	1/10/2013	9166395	10/20/2015	Fairchild Semiconductor Corporation
940	CONDUCTIVITY MODULATION IN A SILICON CARBIDE BIPOLAR JUNCTION TRANSISTOR	13/739815	1/11/2013			Fairchild Semiconductor Corporation
941	SILICON CARBIDE BIPOLAR JUNCTION TRANSISTOR (BJT) HAVING A SURFACE ELECTRODE DISPOSED ON A SURFACE PASSIVATION LAYER FORMED AT A REGION BETWEEN EMITTER CONTACT AND BASE CONTACT	13/739923	1/11/2013	8853827	7/10/2014	Fairchild Semiconductor Corporation
942	NOISE REDUCTION METHOD WITH CHOPPING FOR A MERGED MEMS ACCELEROMETER SENSOR	13/742942	1/16/2013	8742964	3/6/2014	Fairchild Semiconductor Corporation
943	SELF TEST OF MEMS ACCELEROMETER WITH ASICS INTEGRATED CAPACITORS	13/742994	1/16/2013			Fairchild Semiconductor Corporation
944	ACCURATE NINETY-DEGREE PHASE SHIFTER	13/746016	1/21/2013	8754694	6/17/2014	Fairchild Semiconductor Corporation
945	PRODUCTION OF LATERALLY DIFFUSED OXIDE SEMICONDUCTOR (LDMOS) DEVICE AND A BIPOLAR JUNCTION TRANSISTOR (BJT) DEVICE USING A SEMICONDUCTOR PROCESS	13/751041	1/25/2013	9117845	8/25/2015	Fairchild Semiconductor Corporation
946	STEPPED-SOURCE LDMOS ARCHITECTURE	13/751909	1/28/2013	8912598	12/16/2014	Fairchild Semiconductor Corporation
947	MEMS MULTI-AXIS GYROSCOPE WITH CENTRAL SUSPENSION AND GIMBAL STRUCTURE	13/755841	1/31/2013	8813564	8/26/2014	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
948	MEMS MULTI-AXIS GYROSCOPE Z-AXIS ELECTRODE STRUCTURE	13/755953	1/31/2013	9278845	8/3/2016	Fairchild Semiconductor Corporation
949	SELF TEST OF MEMS GYROSCOPE WITH ASICS INTEGRATED CAPACITORS	13/765068	2/12/2013	9069006	6/30/2015	Fairchild Semiconductor Corporation
950	DATA-ON-SUPPLY REPEATER	13/766305	2/13/2013	9077557	7/7/2015	Fairchild Semiconductor Corporation
951	LDMOS DEVICE WITH DOUBLE-SLOPED FIELD PLATE	13/769661	2/18/2013	8878275	4/11/2014	Fairchild Semiconductor Corporation
952	PRODUCTION OF HIGH-PERFORMANCE PASSIVE DEVICES USING EXISTING OPERATIONS OF A SEMICONDUCTOR PROCESS	13/770453	2/19/2013	8987107	3/24/2015	Fairchild Semiconductor Corporation
953	BATTERY CHARGING SYSTEM INCLUDING CURRENT OBSERVER CIRCUITRY TO AVOID BATTERY VOLTAGE OVERSHOOT BASED ON BATTERY CURRENT DRAW	13/774018	2/22/2013	9287731	3/15/2016	Fairchild Semiconductor Corporation
954	APPARATUS RELATED TO CAPACITANCE REDUCTION OF A SIGNAL PORT	13/774135	2/22/2013	8928142	6/1/2015	Fairchild Semiconductor Corporation
955	LEVEL SWITCHING CIRCUIT AND METHOD FOR CONTROLLING RAIL-TO-RAIL ENABLING SIGNAL	13/789550	3/7/2013	9094019	7/28/2015	Fairchild Semiconductor Corporation
956	TRANSLATOR INCLUDING OVERSTRESS PROTECTION	13/792699	3/11/2013	8981843	3/17/2015	Fairchild Semiconductor Corporation
957	FLEXURE BEARING TO REDUCE QUADRATURE FOR RESONATING MICROMACHINED DEVICES	13/813443	5/7/2013	9352961	5/31/2016	Fairchild Semiconductor Corporation
958	PACKAGING TO REDUCE STRESS ON MICROELECTROMECHANICAL SYSTEMS	13/821586	9/11/2013	9156673	10/13/2015	Fairchild Semiconductor Corporation
959	SEALED PACKAGING FOR MICROELECTROMECHANICAL SYSTEMS	13/821589	6/24/2013			Fairchild Semiconductor Corporation
960	MICROELECTROMECHANICAL PRESSURE SENSOR INCLUDING REFERENCE CAPACITOR	13/821598	6/19/2013			Fairchild Semiconductor Corporation
961	MULTI-DIE MEMS PACKAGE	13/821609	5/20/2013	9095072	7/28/2015	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
962	THROUGH SILCON VIA WITH REDUCED SHUNT CAPACITANCE	13/821612	6/18/2013	9006846	4/14/2015	Fairchild Semiconductor Corporation
963	MICROMACHINED MONOLITHIC 6-AXIS INERTIAL SENSOR	13/821793	6/24/2013	9278846	8/3/2016	Fairchild Semiconductor Corporation
964	MICROMACHINED MONOLITHIC 3-AXIS GYROSCOPE WITH SINGLE DRIVE	13/821842	7/2/2013	9246018	1/26/2016	Fairchild Semiconductor Corporation
965	MICROMACHINED 3-AXIS ACCELEROMETER WITH A SINGLE PROOF-MASS	13/821853	6/11/2013			Fairchild Semiconductor Corporation
966	ENHANCED ON-TIME GENERATOR	13/826543	3/14/2013	9069364	6/30/2015	Fairchild Semiconductor Corporation
967	EARLY WARNING STROBE FOR MITIGATION OF LINE AND LOAD TRANSIENTS	13/826679	3/14/2013	9235221	12/1/2016	Fairchild Semiconductor Corporation
968	ADAPTIVE STARTUP CONTROL FOR BOOST CONVERTER	13/826818	3/14/2013	9081398	7/14/2015	Fairchild Semiconductor Corporation
969	INPUT POWER PROTECTION	13/830964	3/14/2013	9112346	8/18/2015	Fairchild Semiconductor Corporation
970	METHODS AND APPARATUS RELATED TO A PRECISION INPUT POWER PROTECTION DEVICE	13/833756	3/15/2013	9172239	10/27/2015	Fairchild Semiconductor Corporation
971	CLAMP CIRCUIT AND METHOD FOR CLAMPING VOLTAGE	13/841820	3/15/2013	9077324	7/7/2015	Fairchild Semiconductor Corporation
972	BUTTON-PRESS DETECTION AND FILTERING	13/852812	3/28/2013			Fairchild Semiconductor Corporation
973	MEMS DEVICE FRONT-END CHARGE AMPLIFIER	13/857349	4/5/2013	9444404	9/13/2016	Fairchild Semiconductor Corporation
974	MEMS DEVICE AUTOMATIC-GAIN CONTROL LOOP FOR MECHANICAL AMPLITUDE DRIVE	13/857363	4/5/2013			Fairchild Semiconductor Corporation
975	MEMS DEVICE QUADRATURE SHIFT CANCELLATION	13/857377	4/5/2013			Fairchild Semiconductor Corporation
976	AUDIO DEVICE SWITCHING WITH REDUCED POP AND CLICK	13/860203	4/10/2013	8779962	7/15/2014	Fairchild Semiconductor Corporation
977	MICRO-ELECTRO-MECHANICAL-SYSTEM (MEMS) DRIVER	13/860761	4/11/2013	9094027	7/28/2015	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
978	MEMS QUADRATURE CANCELLATION AND SIGNAL DEMODULATION	13/860780	4/11/2013			Fairchild Semiconductor Corporation
979	METHOD AND APPARATUS FOR INTEGRATED CIRCUIT PROTECTION	13/862008	4/12/2013	9263431	2/16/2016	Fairchild Semiconductor Corporation
980	METHOD AND APPARATUS FOR ELECTROSTATIC DISCHARGE PROTECTION	13/870500	4/25/2013	9312255	12/4/2016	Fairchild Semiconductor Corporation
981	FAST LOAD TRANSIENT RESPONSE POWER SUPPLY SYSTEM USING DYNAMIC REFERENCE GENERATION	13/870583	4/25/2013			Fairchild Semiconductor Corporation
982	SCALABLE VOLTAGE RAMP CONTROL FOR POWER SUPPLY SYSTEMS	13/870627	4/25/2013	8860595	10/14/2014	Fairchild Semiconductor Corporation
983	LOW-VOLTAGE BAND-GAP VOLTAGE REFERENCE CIRCUIT	13/890727	5/9/2013	9164527	10/20/2015	Fairchild Semiconductor Corporation
984	TRENCH-GATE FIELD EFFECT TRANSISTOR	13/891794	5/10/2013	8884365	11/11/2014	Fairchild Semiconductor Corporation
985	VOLTAGE REGULATOR WITH IMPROVED LINE REJECTION	13/895695	5/16/2013	9170593	10/27/2015	Fairchild Semiconductor Corporation
986	MAXIMUM VOLTAGE SELECTION CIRCUIT AND METHOD AND SUB-SELECTION CIRCUIT	13/913719	6/10/2013	8773168	8/7/2014	Fairchild Semiconductor Corporation
987	ACCESSORY DETECTION CIRCUIT WITH IMPROVED FUNCTIONALITY	13/915150	6/11/2013	9060228	6/16/2015	Fairchild Semiconductor Corporation
988	WAFER LEVEL MOSFET METALLIZATION	13/918562	6/14/2013	8866218	10/21/2014	Fairchild Semiconductor Corporation
989	SWITCHING CIRCUIT AND CONTROLLER CIRCUIT	13/920862	6/18/2013	8994442	3/31/2015	Fairchild Semiconductor Corporation
990	NOISE-CANCELING HEADPHONE DEPLETION-MODE SWITCH	13/920929	6/18/2013	9253564	2/2/2016	Fairchild Semiconductor Corporation
991	SCHOTTKY-BARRIER DEVICE WITH LOCALLY PLANARIZED SURFACE AND RELATED SEMICONDUCTOR PRODUCT	13/920933	6/18/2013	9105557	11/8/2015	Fairchild Semiconductor Corporation
992	RESONANCE DRIVER FOR DETERMINING A RESONANT FREQUENCY OF A HAPTIC DEVICE	13/930096	6/28/2013	9355536	5/31/2016	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
993	CIRCUIT AND METHOD FOR OVERCURRENT DETECTION OF POWER SWITCH	13/936331	7/8/2013			Fairchild Semiconductor Corporation
994	SILICON CARBIDE BIPOLAR JUNCTION TRANSISTOR INCLUDING SHIELDING REGIONS	13/938006	7/9/2013			Fairchild Semiconductor Corporation
995	DETECTING ACCESSORIES ON AN AUDIO OR VIDEO JACK	13/941889	7/15/2013	8914552	12/16/2014	Fairchild Semiconductor Corporation
996	PULSED GATE DRIVER	13/961059	8/7/2013	8810293	8/19/2014	Fairchild Semiconductor Corporation
997	SENSORLESS CURRENT SENSE FOR REGULATING INDUCTOR CURRENT IN A BUCK CONVERTER	14/018847	9/5/2013	9431902	8/30/2016	Fairchild Semiconductor Corporation
998	SEMICONDUCTOR DIE PACKAGE AND METHOD FOR MAKING THE SAME	14/019351	9/5/2013	9159656	10/13/2015	Fairchild Semiconductor Corporation
999	WIRELESS MODULE WITH ACTIVE DEVICES	14/020775	9/6/2013			Fairchild Semiconductor Corporation
1000	THROUGH SILICON VIA INCLUDING MULTI-MATERIAL FILL	14/023869	9/11/2013	9425328	8/23/2016	Fairchild Semiconductor Corporation
1001	COMMON DRAIN POWER CLIP FOR BATTERY PACK PROTECTION MOSFET	14/026181	9/13/2013	9379045	6/28/2016	Fairchild Semiconductor Corporation
1002	BIPOLAR JUNCTION TRANSISTOR WITH SPACER LAYER	14/048940	10/8/2013	9099517	4/8/2015	Fairchild Semiconductor Corporation
1003	DATA DURING ANALOG AUDIO	14/049387	10/9/2013	9118527	8/25/2015	Fairchild Semiconductor Corporation
1004	OPERATIONAL AMPLIFIER CIRCUIT AND METHOD IMPLEMENTING THE SAME	14/052244	10/11/2013	9154086	6/10/2015	Fairchild Semiconductor Corporation
1005	APPARATUS AND METHOD FOR OPERATING AND SWITCHING A SINGLE CONDUCTOR INTERFACE	14/057245	10/18/2013			Fairchild Semiconductor Corporation
1006	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	14/058954	10/21/2013	8963212	2/24/2015	Fairchild Semiconductor Corporation
1007	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	14/058956	10/21/2013	8932924	1/13/2015	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1008	SUPPLY VOLTAGE INDEPENDENT BANDGAP CIRCUIT	14/061177	10/23/2013	9218014	12/22/2015	Fairchild Semiconductor Corporation
1009	FIELD EFFECT TRANSISTOR WITH GATED AND NON-GATED TRENCHES	14/068781	10/31/2013	8742401	3/6/2014	Fairchild Semiconductor Corporation
1010	BIPOLAR JUNCTION TRANSISTOR IN SILICON CARBIDE WITH IMPROVED BREAKDOWN VOLTAGE	14/068941	10/31/2013	8907351	9/12/2014	Fairchild Semiconductor Corporation
1011	BUFFER SYSTEM HAVING REDUCED THRESHOLD CURRENT	14/072442	8/4/2015	9100004	5/11/2013	Fairchild Semiconductor Corporation
1012	METHODS AND APPARATUS RELATED TO PROTECTION OF A SPEAKER	14/074314	11/7/2013			Fairchild Semiconductor Corporation
1013	HIGH-VOLTAGE BULK DRIVER USING BYPASS CIRCUIT	14/074334	11/7/2013	8947156	3/2/2015	Fairchild Semiconductor Corporation
1014	SECURITY MEASURES FOR DATA PROTECTION	14/086591	11/21/2013	9202073	1/12/2015	Fairchild Semiconductor Corporation
1015	WINDOW REFERENCE TRIMMING FOR ACCESSORY DETECTION	14/086608	11/21/2013			Fairchild Semiconductor Corporation
1016	COMBO ID DETECTION	14/086628	11/21/2013			Fairchild Semiconductor Corporation
1017	APPARATUS RELATED TO AN IMPROVED PACKAGE INCLUDING A SEMICONDUCTOR DIE	14/092485	11/27/2013	9177925	3/11/2015	Fairchild Semiconductor Corporation
1018	NO POP SWITCH	14/103013	12/11/2013	8934642	1/13/2015	Fairchild Semiconductor Corporation
1019	DELAY TIME ADJUSTING CIRCUIT METHOD AND INTEGRATED CIRCUIT	14/103078	12/11/2013	9018998	4/28/2015	Fairchild Semiconductor Corporation
1020	DELAY METHOD CIRCUIT AND INTEGRATED CIRCUIT	14/109161	12/17/2013	8937500	1/20/2015	Fairchild Semiconductor Corporation
1021	ADAPTIVE RESPONSE TIME ACCELERATION	14/139193	12/23/2013			Fairchild Semiconductor Corporation
1022	POWER SUPPLY WITH DC BREAKER SWITCH AND REDUCED REGULATED DC LINK VOLTAGE	14/149938	1/8/2014	9413266	9/8/2016	Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1023	DIRECT-DRAIN TRENCH FET WITH SOURCE AND DRAIN ISOLATION	14/173587	2/5/2014	9018700	4/28/2015	Fairchild Semiconductor Corporation
1024	PERMANENT LOCKOUT ATTACK DETECTION	14/174536	2/6/2014	9202041	1/12/2015	Fairchild Semiconductor Corporation
1025	SECURE CRYPTO KEY GENERATION AND DISTRIBUTION	14/175035	2/7/2014			Fairchild Semiconductor Corporation
1026	POWER SUPPLY PROTECTION SYSTEM	14/176652	2/10/2014	9337728	10/5/2016	Fairchild Semiconductor Corporation
1027	BATTERY STATE OF CHARGE TRACKING EQUIVALENT CIRCUIT SELECTION AND BENCHMARKING	14/185790	2/20/2014			Fairchild Semiconductor Corporation and The University of Connecticut
1028	BATTERY STATE OF CHARGE TRACKING EQUIVALENT CIRCUIT SELECTION AND BENCHMARKING	14/185835	2/20/2014			Fairchild Semiconductor Corporation and The University of Connecticut
1029	AUDIO AMPLIFIER PERFORMANCE WHILE MAINTAINING USB COMPLIANCE AND POWER DOWN PROTECTION	14/190491	2/26/2014	9246445	1/26/2016	Fairchild Semiconductor Corporation
1030	METHODS AND APPARATUS INCLUDING A CURRENT LIMITER	14/199704	3/6/2014			Fairchild Semiconductor Corporation
1031	METHODS AND APPARATUS RELATED TO TERMINATION REGIONS OF A SEMICONDUCTOR DEVICE	14/204765	3/11/2014			Fairchild Semiconductor Corporation
1032	MONOLITHIC IGNITION INSULATED-GATE BIPOLAR TRANSISTOR	14/212682	3/14/2014			Fairchild Semiconductor Corporation
1033	APPARATUS AND METHODS FOR PLL-BASED GYROSCOPE GAIN CONTROL QUADRATURE CANCELLATION AND DEMODULATION	14/217842	3/18/2014			Fairchild Semiconductor Corporation
1034	TEMPERATURE AND POWER SUPPLY CALIBRATION	14/217863	3/18/2014			Fairchild Semiconductor Corporation
1035	MAGNETIC SENSOR UTILIZING MAGNETIZATION RESET FOR SENSE AXIS SELECTION	14/218771	3/18/2014			Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1036	REVERSE CURRENT BLOCKING COMPARATOR	14/228614	3/28/2014	9294080	3/22/2016	Fairchild Semiconductor Corporation
1037	LED DRIVE CIRCUIT WITH A PROGRAMMABLE INPUT FOR LED LIGHTING	14/261613	4/25/2014	9049764	6/2/2015	Fairchild Semiconductor Corporation
1038	DIFFERENTIAL THERMISTOR CIRCUIT	14/272832	5/8/2014			Fairchild Semiconductor Corporation
1039	HEATED ACCELERATED BATTERY CHARGING	14/275510	5/12/2014			Fairchild Semiconductor Corporation
1040	POWER SUPPLY CIRCUIT METHOD AND PORTABLE DEVICE	14/286043	5/23/2014			Fairchild Semiconductor Corporation
1041	METHOD CIRCUIT AND INTEGRATED CIRCUIT FOR DETECTING RESONANCE FREQUENCY	14/291609	5/30/2014			Fairchild Semiconductor Corporation
1042	DIFFERENTIAL MEASUREMENTS WITH A LARGE COMMON MODE INPUT VOLTAGE	14/291640	5/30/2014	9362874	7/6/2016	Fairchild Semiconductor Corporation
1043	ACCUMULATION-MODE FIELD EFFECT TRANSISTOR WITH IMPROVED CURRENT CAPABILITY	14/292894	5/31/2014	9368587	6/14/2016	Fairchild Semiconductor Corporation
1044	SYSTEM FOR BATTERY MANAGEMENT AND PROTECTION	14/293261	6/2/2014			Fairchild Semiconductor Corporation
1045	GROUND FAULT CIRCUIT INTERRUPTER (GFCI) MONITOR	14/307051	6/17/2014			Fairchild Semiconductor Corporation
1046	OVERCURRENT PROTECTION METHOD CIRCUIT AND INTEGRATED CIRCUIT	14/313064	6/24/2014			Fairchild Semiconductor Corporation
1047	QUIESCENT CURRENT EQUALIZATION METHOD OUTPUT STAGE CIRCUIT CLASS AB AMPLIFIER AND ELECTRONIC DEVICE	14/315663	6/26/2014	9350304	5/24/2016	Fairchild Semiconductor Corporation
1048	LOAD BALANCING IN DISCRETE DEVICES	14/337627	7/22/2014			Fairchild Semiconductor Corporation
1049	CHARGING CONTROL CIRCUIT METHOD AND ELECTRONIC DEVICE THEREOF	14/338146	7/22/2014			Fairchild Semiconductor Corporation
1050	MODULATION SCHEME FOR DRIVING A PIEZO ELEMENT	14/355874	5/2/2014			Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1051	SIDE CHANNEL POWER ATTACK DEFENSE WITH PSEUDO RANDOM CLOCK OPERATION	14/447792	7/31/2014	9401802	7/26/2016	Fairchild Semiconductor Corporation
1052	COMPLIMENTARY BIT SLICING SIDE CHANNEL ATTACK DEFENSE	14/448412	7/31/2014	9423820	8/23/2016	Fairchild Semiconductor Corporation
1053	COMMON-MODE FEEDBACK DIFFERENTIAL AMPLIFIER	14/448855	7/31/2014	9431978	8/30/2016	Fairchild Semiconductor Corporation
1054	IGNITION CONTROL SHORT CIRCUIT PROTECTION	14/449932	8/1/2014			Fairchild Semiconductor Corporation
1055	AUDIO JACK SYSTEM	14/453109	8/6/2014			Fairchild Semiconductor Corporation
1056	JUNCTION-LESS INSULATED GATE CURRENT LIMITER DEVICE	14/454435	8/7/2014			Fairchild Semiconductor Corporation
1057	LOAD DRIVING METHOD LOAD DRIVING CIRCUIT AND APPLICATION DEVICES THEREOF	14/488095	9/16/2014			Fairchild Semiconductor Corporation
1058	SUPERJUNCTION STRUCTURES FOR POWER DEVICES AND METHODS OF MANUFACTURE	14/491653	9/19/2014	9431481	8/30/2016	Fairchild Semiconductor Corporation
1059	EDGE RATE CONTROL GATE DRIVER FOR SWITCHING POWER CONVERTERS	14/511387	10/10/2014			Fairchild Semiconductor Corporation
1060	LOW DROP OUT SUPPLY ASYMMETRIC DYNAMIC BIASING	14/523233	10/24/2014			Fairchild Semiconductor Corporation
1061	INTEGRATED WIRE BONDER AND 3D MEASUREMENT SYSTEM WITH DEFECT REJECTION	14/523338	10/24/2014			Fairchild Semiconductor Corporation
1062	DUAL-EDGE TRACKING SYNCHRONOUS RECTIFIER CONTROL TECHNIQUES FOR A RESONANT CONVERTER	14/524423	10/27/2014			Fairchild Semiconductor Corporation
1063	RESISTANCE MULTIPLIER	14/524505	10/27/2014	9374066	6/21/2016	Fairchild Semiconductor Corporation
1064	CONSTANT POWER AVAILABILITY FOR LOAD SWITCHES WITH FOLDBACK CURRENT	14/535617	11/7/2014			Fairchild Semiconductor Corporation
1065	DUAL-MODE VOLTAGE DOUBLING BUCK CONVERTER WITH SMOOTH MODE TRANSITION	14/560630	12/4/2014			Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1066	PACKAGED SEMICONDUCTOR DEVICES AND METHODS OF MANUFACTURING	14/560856	12/4/2014			Fairchild Semiconductor Corporation
1067	HIGH-VOLTAGE PACKAGED DEVICE	14/573147	12/17/2014	9142430	9/22/2015	Fairchild Semiconductor Corporation
1068	APPARATUS AND METHODS OF CHARGING TO SAFE CELL VOLTAGE	14/587221	12/31/2014			Fairchild Semiconductor Corporation
1069	SUPERJUNCTION STRUCTURES FOR POWER DEVICES AND METHODS OF MANUFACTURE	14/589544	1/5/2015			Fairchild Semiconductor Corporation
1070	ISOLATION BETWEEN SEMICONDUCTOR COMPONENTS	14/593642	1/9/2015			Fairchild Semiconductor Corporation
1071	MOSFET BRIDGE CIRCUIT	14/593691	1/9/2015			Fairchild Semiconductor Corporation
1072	APPARATUS AND METHOD FOR DETECTING INSERTION ANOMALY OF AN AUDIO JACK	14/597910	1/15/2015			Fairchild Semiconductor Corporation
1073	APPARATUS AND METHOD FOR RECOVERING FROM PARTIAL INSERTION OF AN AUDIO JACK	14/597953	1/15/2015			Fairchild Semiconductor Corporation
1074	CONTROL AND CURRENT MEASUREMENT FUNCTION FOR BATTERY CHARGING PROTECTION AND FUEL GAUGE COULOMB COUNTING	14/606689	1/27/2015			Fairchild Semiconductor Corporation
1075	ENHANCED PEAK CURRENT MODE DC-DC POWER CONVERTER	14/611459	2/2/2015			Fairchild Semiconductor Corporation
1076	ADAPTIVE CRITICAL-DUTY-CYCLE CLAMP FOR POWER CONVERTERS	14/614915	2/5/2015			Fairchild Semiconductor Corporation
1077	RESONANT CONVERTER CONTROL TECHNIQUES TO MANAGE NEGATIVE SR CURRENT	14/616987	2/9/2015			Fairchild Semiconductor Corporation
1078	USB ADAPTER PROTECTION	14/619659	2/11/2015			Fairchild Semiconductor Corporation
1079	ELECTRO-STATIC DISCHARGE FILTERING CIRCUIT AND METHOD RESET CIRCUIT AND ELECTRONIC DEVICE	14/622320	2/13/2015			Fairchild Semiconductor Corporation
1080	IMPEDANCE DETECTION CIRCUIT METHOD AND INTEGRATED CIRCUIT	14/622544	2/13/2015			Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1081	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	14/628989	2/23/2015	9391193	12/7/2016	Fairchild Semiconductor Corporation
1082	OVERCURRENT DETECTION CIRCUIT AND METHOD LOAD SWITCH AND PORTABLE DEVICE	14/632764	2/26/2015			Fairchild Semiconductor Corporation
1083	AUDIO ACCESSORY COMMUNICATION WITH ACTIVE NOISE CANCELLATION	14/639629	3/5/2015			Fairchild Semiconductor Corporation
1084	MEMS PROOF MASS WITH SPLIT Z-AXIS PORTIONS	14/658579	3/16/2015			Fairchild Semiconductor Corporation
1085	UNIFORM DISTRIBUTION DITHERING IN SIGMA-DELTA A/D CONVERTERS	14/661388	3/18/2015	9356617	5/31/2016	Fairchild Semiconductor Corporation
1086	APPARATUS AND METHOD FOR EXTENDING ANALOG FRONT END SENSE RANGE OF A HIGH-Q MEMS SENSOR	14/661426	3/18/2015			Fairchild Semiconductor Corporation
1087	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	14/670139	3/26/2015			Fairchild Semiconductor Corporation
1088	IGNITION CONTROL CIRCUIT WITH DUAL (TWO-STAGE) CLAMP	14/671550	3/27/2015			Fairchild Semiconductor Corporation
1089	SILICON CARBIDE POWER BIPOLAR DEVICES WITH DEEP ACCEPTOR DOPING	14/671561	3/27/2015			Fairchild Semiconductor Corporation
1090	ENABLE AND DISABLE COMPARATOR VOLTAGE REFERENCE	14/689247	4/17/2015			Fairchild Semiconductor Corporation
1091	AUDIO JACK INSERTION/REMOVAL FAULT DETECTION	14/707482	5/8/2015			Fairchild Semiconductor Corporation
1092	LED DRIVE CIRCUIT WITH A PROGRAMMABLE INPUT FOR LED LIGHTING	14/725459	5/29/2015	10412796	9/10/2019	Fairchild Semiconductor Corporation
1093	FULL BRIDGE DC/DC CONVERTER CONTROL TECHNIQUES	14/734217	6/9/2015			Fairchild Semiconductor Corporation
1094	CLAMP CIRCUIT AND METHOD FOR CLAMPING VOLTAGE	14/734268	6/9/2015	9350337	5/24/2016	Fairchild Semiconductor Corporation
1095	REPORTED STATE-OF-CHARGE SCALING	14/741262	6/16/2015			Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1096	SILICON-CARBIDE TRENCH GATE MOSFETS	14/744958	6/19/2015	9466709	10/11/2016	Fairchild Semiconductor Corporation
1097	AUDIO SWITCH CIRCUIT WITH SLOW TURN-ON	14/748066	6/23/2015			Fairchild Semiconductor Corporation
1098	SIC POWER DEVICE HAVING A HIGH VOLTAGE TERMINATION	14/750655	6/25/2015			Fairchild Semiconductor Corporation
1099	SCHOTTKY-BARRIER DEVICE AND RELATED SEMICONDUCTOR PRODUCT	14/750682	6/25/2015			Fairchild Semiconductor Corporation
1100	REDUCTION OF DEGRADATION DUE TO HOT CARRIER INJECTION	14/752373	6/26/2015			Fairchild Semiconductor Corporation
1101	SWITCH DEVICE WITH SWITCH CIRCUITS THAT PROVIDE HIGH VOLTAGE SURGE PROTECTION	14/793382	7/7/2015			Fairchild Semiconductor Corporation
1102	MULTI-DIE MEMS PACKAGE	14/804691	7/21/2015			Fairchild Semiconductor Corporation
1103	BIASED ESD CIRCUIT	14/834554	8/25/2015			Fairchild Semiconductor Corporation
1104	OPTIMIZED CHARGING APPARATUS AND METHODS	14/834577	8/25/2015			Fairchild Semiconductor Corporation
1105	AUXILIARY SELF-PROTECTING TRANSISTOR STRUCTURE	14/834772	8/25/2015			Fairchild Semiconductor Corporation
1106	A FAST AND STABLE ULTRA LOW DROP-OUT (LDO) VOLTAGE CLAMP DEVICE	14/855033	9/15/2015			Fairchild Semiconductor Corporation
1107	PACKAGE INCLUDING A SEMICONDUCTOR DIE AND A CAPACITIVE COMPONENT	14/927871	10/30/2015			Fairchild Semiconductor Corporation
1108	AUDIO CROSSTALK CALIBRATION SWITCH	14/928157	10/30/2015			Fairchild Semiconductor Corporation
1109	METHOD AND APPARATUS FOR ZERO CURRENT DETECTION	14/937667	11/10/2015			Fairchild Semiconductor Corporation
1110	REMOTE GROUND SENSING FOR REDUCED CROSSTALK OF HEADSET AND MICROPHONE AUDIO SIGNALS	14/944702	11/18/2015			Fairchild Semiconductor Corporation
1111	VBUS POWER SWITCH	14/960908	12/7/2015			Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1112	IGNITION CONTROL CIRCUIT WITH CURRENT SLOPE DETECTION	15/012513	2/1/2016	9920736	3/20/2018	Fairchild Semiconductor Corporation
1113	LOW VOLTAGE SWITCH CONTROL	15/079291	3/24/2016			Fairchild Semiconductor Corporation
1114	METHODS AND APPARTUS RELATED TO TERMINATION REGIONS OF A SEMICONDUCTOR DEVICE	15/274926	09/23/16			Fairchild Semiconductor Corporation
1115	SILICON-CARBIDE TRENCH GATE MOSFETS	15/275184	09/23/16			Fairchild Semiconductor Corporation
1116	LASER GROOVING AS A SOLUTION FOR WETTABLE FLANK TECHNOLOGY	15/407918	1/17/2017			Fairchild Semiconductor Corporation
1117	LOAD CAPACITANCE DETERMINATION CIRCUITRY AND POWER SUPPLY CONTROL	15/413352	1/23/2017			Fairchild Semiconductor Corporation
1118	ENABLE AND DISABLE COMPARATOR VOLTAGE REFERENCE	15/466638	3/22/2017			Fairchild Semiconductor Corporation
1119	SEMICONDUCTOR DEVICE AND METHOD THEREFOR	15/471666	3/28/2017			Fairchild Semiconductor Corporation
1120	SEMICONDUCTOR DEVICE AND METHOD THEREFOR	15/472802	3/29/2017			Fairchild Semiconductor Corporation
1121	MULTI-AXIS ACCELEROMETER WITH REDUCED STRESS SENSITIVITY	15/487294	4/13/2017			Fairchild Semiconductor Corporation
1122	TERMINATION IMPLANT ENRICHMENT FOR SHIELDED GATE MOSFETS	15/581774	4/28/2017			Fairchild Semiconductor Corporation
1123	INDUCTOR CURRENT EMULATION FOR OUTPUT CURRENT MONITORING	15/582951	5/1/2017			Fairchild Semiconductor Corporation
1124	BYPASS CHARGING CIRCUIT AND METHOD	15/582988	5/1/2017			Fairchild Semiconductor Corporation
1125	RAMP GENERATOR FOR WIDE FREQUENCY RANGE PULSE WIDTH MODULATION CONTROLLER OR THE LIKE	15/584729	5/2/2017			Fairchild Semiconductor Corporation
1126	DEVICE INCLUDING A SIDEWALL SCHOTTKY INTERFACE	15/585839	5/3/2017			Fairchild Semiconductor Corporation
1127	POWER SUPPLY CIRCUIT WITH SECONDARY SIDE TO PRIMARY SIDE COMMUNICATION	15/600565	5/19/2017			Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1128	A SILICON CARBIDE (SIC) DEVICE WITH IMPROVED GATE DIELECTRIC SHIELDING	15/626690	6/19/2017			Fairchild Semiconductor Corporation
1129	METHODS AND APPARATUS RELATED TO PROTECTION OF A SPEAKER	15/642940	7/6/2017			Fairchild Semiconductor Corporation
1130	DIFFERENTIAL LEVEL SHIFT CIRCUIT	15/652471	7/18/2017			Fairchild Semiconductor Corporation
1131	REDUCTION OF ELECTRICAL SIZE OF BULK CAPACITORS IN MOBILE POWER SUPPLIES	15/664126	7/31/2017			Fairchild Semiconductor Corporation
1132	POWER FACTOR CORRECTION CIRCUIT AND METHOD	15/673011	8/9/2017			Fairchild Semiconductor Corporation
1133	MULTIPLE PULSE IGNITION SYSTEM CONTROL	15/674017	8/10/2017			Fairchild Semiconductor Corporation
1134	RESONANT IGNITION CIRCUIT	15/674221	8/10/2017			Fairchild Semiconductor Corporation
1135	ISOLATION BETWEEN SEMICONDUCTOR COMPONENTS	15/676360	8/14/2017			Fairchild Semiconductor Corporation
1136	CLAMP VOLTAGE DETECTION AND OVER-VOLTAGE PROTECTION FOR POWER SUPPLY TOPOLOGIES	15/676445	8/14/2017			Fairchild Semiconductor Corporation
1137	AVALANCHE-RUGGED SILICON CARBIDE (SIC) POWER DEVICE	15/677400	8/15/2017			Fairchild Semiconductor Corporation
1138	USB TYPE-C TO LEGACY USB CABLE DETECTION	15/678323	8/16/2017			Fairchild Semiconductor Corporation
1139	HIGH CONTACT RESISTANCE DETECTION	15/678713	8/16/2017			Fairchild Semiconductor Corporation
1140	DIFFERENTIAL THERMISTOR CIRCUIT	15/685155	8/24/2017			Fairchild Semiconductor Corporation
1141	TRENCH-BASED POWER SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGE CHARACTERISTICS	15/688833	8/28/2017			Fairchild Semiconductor Corporation
1142	VERTICAL AND HORIZONTAL CIRCUIT ASSEMBLIES	15/692354	8/31/2017			Fairchild Semiconductor Corporation
1143	BALANCER FOR MULTIPLE FIELD EFFECT TRANSISTORS	15/705718	9/15/2017			Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
	ARRANGED IN A PARALLEL CONFIGURATION					
1144	LOW-VOLTAGE HIGH-CURRENT CHARGING WITH KELVIN SENSE FROM TRAVEL ADAPTOR TO CELL	15/710177	9/20/2017			Fairchild Semiconductor Corporation
1145	MAGNETIC SENSOR UTILIZING MAGNETIZATION RESET FOR SENSE AXIS SELECTION	15/727711	10/9/2017			Fairchild Semiconductor Corporation
1146	ADAPTIVE TURN-OFF TRIGGER BLANKING FOR SYNCHRONOUS RECTIFICATION	15/790943	10/23/2017			Fairchild Semiconductor Corporation
1147	INTELLIGENT CONTACT CHARGING DEVICES AND METHODS	15/805966	11/7/2017			Fairchild Semiconductor Corporation
1148	SELF IDENTIFICATION AND POLLUTION DETECTION IN USB TYPE-C	15/812716	11/14/2017			Fairchild Semiconductor Corporation
1149	SILICON-CARBIDE TRENCH GATE MOSFETS AND METHODS OF MANUFACTURE	15/858406	12/29/2017			Fairchild Semiconductor Corporation
1150	PACKAGED SEMICONDUCTOR DEVICES WITH LASER GROOVED WETTABLE FLANK AND METHODS OF MANUFACTURE	15/982616	5/17/2018			Fairchild Semiconductor Corporation
1151	HYBRID GATE DIELECTRICS FOR SEMICONDUCTOR POWER DEVICES	15/982934	5/17/2018			Fairchild Semiconductor Corporation
1152	AVALANCHE-RUGGED SILICON CARBIDE (SIC) POWER DEVICE	16/035883	7/16/2018			Fairchild Semiconductor Corporation
1153	POWER FACTOR CORRECTION CIRCUIT AND METHOD	16/117341	8/30/2018			Fairchild Semiconductor Corporation
1154	METHODS AND APPARATUS RELATED TO TERMINATION REGIONS OF A SEMICONDUCTOR DEVICE	16/234844	12/28/2018			Fairchild Semiconductor Corporation
1155	SEMICONDUCTOR DEVICE AND METHOD THEREFOR	16/266814	2/4/2019			Fairchild Semiconductor Corporation
1156	VERTICAL AND HORIZONTAL CIRCUIT ASSEMBLIES	16/279336	2/19/2019			Fairchild Semiconductor Corporation
1157	POWER SUPPLY WITH NEAR VALLEY SWITCHING	16/280241	2/20/2019			Fairchild Semiconductor Corporation
1158	SWITCH CIRCUIT WITH HIGH VOLTAGE SURGE PROTECTION	16/299843	3/12/2019			Fairchild Semiconductor Corporation

	App Title	App No.	Filing Date	Patent No.	Grant Date	Owner
1159	SWITCH MODE POWER SUPPLY WITH RAMP GENERATOR FOR WIDE FREQUENCY RANGE PULSE WIDTH MODULATOR OR THE LIKE	16/460140	7/2/2019			Fairchild Semiconductor Corporation
1160	SEMICONDUCTOR PACKAGE AND RELATED METHODS	16/521695	7/25/2019			Fairchild Semiconductor Corporation
1161	LED DRIVE CIRCUIT WITH A PROGRAMMABLE INPUT FOR LED LIGHTING	16/521834	7/25/2019			Fairchild Semiconductor Corporation
1162	CHARGE PUMP CIRCUIT FOR PROVIDING VOLTAGES TO MULTIPLE SWITCH CIRCUITS	16/571680	9/16/2019			Fairchild Semiconductor Corporation
1163	PACKAGED SEMICONDUCTOR DEVICES WITH LASER GROOVED WETTABLE FLANK AND METHODS OF MANUFACTURE	16/680649	11/12/2019			Fairchild Semiconductor Corporation
1164	LED DRIVE CIRCUIT WITH A PROGRAMMABLE INPUT FOR LED LIGHTING	16/701366	12/3/2019			Fairchild Semiconductor Corporation
1165	CONTROL CIRCUIT AND METHOD THEREFOR	16/717368	12/17/2019			Fairchild Semiconductor Corporation
1166	SUBSTRATE INTERPOSER ON A LEADFRAME	16/737628	1/8/2020			Fairchild Semiconductor Corporation
1167	BATTERY CHARGE TERMINATION VOLTAGE REDUCTION	16/850456	4/16/2020			Fairchild Semiconductor Corporation
1168	INDUCTOR CURRENT EMULATION FOR OUTPUT CURRENT MONITORING	17/110011	12/2/2020			Fairchild Semiconductor Corporation
1169	SEMICONDUCTOR PACKAGE AND RELATED METHODS	17/316367	5/10/2021			Fairchild Semiconductor Corporation
1170	BALANCER FOR MULTIPLE FILED EFFECT TRANSISTORS ARRANGED IN A PARALLEL CONFIGURATION	62/397567	9/21/2016			Fairchild Semiconductor Corporation
1171	REDUCTION OF ELECTRICAL SIZE OF BULK CAPACITORS IN MOBILE POWER SUPPLIES	62/400386	9/27/2016			Fairchild Semiconductor Corporation
1172	LOW-VOLTAGE HIGH-CURRENT CHARGING WITH KELVIN SENSE FROM TRAVEL ADAPTOR TO CELL	62/402759	9/30/2016			Fairchild Semiconductor Corporation

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