

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5433158

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ERROR IN RECORDING THE MERGER IN INCORRECT US PATENT NOS. 7,809,013, 7,859,361, 7,831,217 AND CORRECT THE PROPERTY NUMBERS TOTAL previously recorded on Reel 047630 Frame 0344. Assignor(s) hereby confirms the MERGER AND THE PROPERTY NUMBERS TOTAL.	
CONVEYING PARTY DATA		
Name		Execution Date
AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD.		09/05/2018
RECEIVING PARTY DATA		
Name:	AVAGO TECHNOLOGIES INTERNATIONAL SALES PTE. LIMITED	
Street Address:	1 YISHUN AVENUE 7	
City:	SINGAPORE	
State/Country:	SINGAPORE	
Postal Code:	768923	
PROPERTY NUMBERS Total: 2000		
Property Type	Number	
Patent Number:	7679853	
Patent Number:	7679878	
Patent Number:	7680042	
Patent Number:	7680059	
Patent Number:	7680083	
Patent Number:	7680107	
Patent Number:	7680133	
Patent Number:	7680177	
Patent Number:	7680206	
Patent Number:	7680217	
Patent Number:	7680351	
Patent Number:	7680421	
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Patent Number:	7680493	
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Patent Number:	7681007	
Patent Number:	7681017	
PATENT		

Property Type	Number
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Patent Number:	7683495
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Patent Number:	7688838
Patent Number:	7688842

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Patent Number:	7702119
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Property Type	Number
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Property Type	Number
Patent Number:	7801161
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Patent Number:	7970358
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Patent Number:	7975104
Patent Number:	7975153
Patent Number:	7975193
Patent Number:	7975203
Patent Number:	7976225

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Patent Number:	7976387
Patent Number:	7977623
Patent Number:	7977692
Patent Number:	7977698
Patent Number:	7977799
Patent Number:	7977992
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Patent Number:	7983169
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Patent Number:	7995537
Patent Number:	7995604
Patent Number:	7995605

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Patent Number:	7995695
Patent Number:	7995713
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Patent Number:	7996166
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Patent Number:	7996236
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Patent Number:	8000324
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Patent Number:	8005447
Patent Number:	8005476
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Patent Number:	8022684
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Patent Number:	8023396
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Patent Number:	8032182
Patent Number:	8032301
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Patent Number:	8032360
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Patent Number:	8090790
Patent Number:	8090864
Patent Number:	8090879
Patent Number:	7715699

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 106861-9999

NAME OF SUBMITTER: ROLONDA LEE

SIGNATURE: /Rolonda Lee/

DATE SIGNED: 03/21/2019

Total Attachments: 110

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5211916

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the EFFECTIVE DATE OF MERGER previously recorded on Reel 047196 Frame 0687. Assignor(s) hereby confirms the THE EFFECTIVE DATE IS 09/05/2018.	
CONVEYING PARTY DATA		
Name		Execution Date
AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD.		09/05/2018
RECEIVING PARTY DATA		
Name:	AVAGO TECHNOLOGIES INTERNATIONAL SALES PTE. LIMITED	
Street Address:	1 YISHUN AVENUE 7	
City:	SINGAPORE	
State/Country:	SINGAPORE	
Postal Code:	768923	
PROPERTY NUMBERS Total: 1995		
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Patent Number:	7679853	
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Patent Number:	7680042	
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PATENT

REEL: 048883 FRAME: 0329

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PATENT

REEL: 047620 FRAME: 0355

PATENT

REEL: 048883 FRAME: 0334

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Patent Number:	7795576
Patent Number:	7795954
Patent Number:	7795973
Patent Number:	7795997
Patent Number:	7796119
Patent Number:	7796627
Patent Number:	7796682
Patent Number:	7796683
Patent Number:	7796684
Patent Number:	7796696
Patent Number:	7796711
Patent Number:	7796763
Patent Number:	7796892
Patent Number:	7796970
Patent Number:	7797550
Patent Number:	7797605
Patent Number:	7800399
Patent Number:	7800457
Patent Number:	7800581
Patent Number:	7800930
Patent Number:	7801063
Patent Number:	7801098
Patent Number:	7801099
Patent Number:	7801161
Patent Number:	7801176
Patent Number:	7801200
Patent Number:	7801223

Property Type	Number
Patent Number:	7801240
Patent Number:	7801558
Patent Number:	7801699
Patent Number:	7802163
Patent Number:	7802297
Patent Number:	7802349
Patent Number:	7804356
Patent Number:	7804776
Patent Number:	7804869
Patent Number:	7804893
Patent Number:	7805160
Patent Number:	7805297
Patent Number:	7805313
Patent Number:	7805554
Patent Number:	7808087
Patent Number:	7808115
Patent Number:	7808223
Patent Number:	7808294
Patent Number:	7808759
Patent Number:	7808985
Patent Number:	7809013
Patent Number:	7809049
Patent Number:	7809091
Patent Number:	7809092
Patent Number:	7809094
Patent Number:	7809096
Patent Number:	7809333
Patent Number:	7809395
Patent Number:	7809832
Patent Number:	7812641
Patent Number:	7812746
Patent Number:	7812747
Patent Number:	7812749
Patent Number:	7813285
Patent Number:	7813295
Patent Number:	7813415
Patent Number:	7813422
Patent Number:	7813429

PATENT

REEL: 047920 FRAME: 0358

REEL: 048883 FRAME: 0337

Property Type	Number
Patent Number:	7813431
Patent Number:	7813448
Patent Number:	7813694
Patent Number:	7813698
Patent Number:	7814189
Patent Number:	7814245
Patent Number:	7814268
Patent Number:	7814342
Patent Number:	7814346
Patent Number:	7817072
Patent Number:	7817363
Patent Number:	7817591
Patent Number:	7817662
Patent Number:	7817676
Patent Number:	7817711
Patent Number:	7817721
Patent Number:	7817883
Patent Number:	7817962
Patent Number:	7818015
Patent Number:	7818028
Patent Number:	7818483
Patent Number:	7818521
Patent Number:	7818540
Patent Number:	7818787
Patent Number:	7821280
Patent Number:	7821580
Patent Number:	7821581
Patent Number:	7821730
Patent Number:	7821844
Patent Number:	7821853
Patent Number:	7821954
Patent Number:	7822037
Patent Number:	7822102
Patent Number:	7822394
Patent Number:	7822408
Patent Number:	7825749
Patent Number:	7826242
Patent Number:	7826310

PATENT

REEL: 047620 FRAME: 0359

PATENT

REEL: 048883 FRAME: 0338

Property Type	Number
Patent Number:	7826411
Patent Number:	7826416
Patent Number:	7826446
Patent Number:	7826457
Patent Number:	7826493
Patent Number:	7826547
Patent Number:	7826565
Patent Number:	7826575
Patent Number:	7826718
Patent Number:	7826865
Patent Number:	7826875
Patent Number:	7830101
Patent Number:	7830152
Patent Number:	7830691
Patent Number:	7830845
Patent Number:	7830879
Patent Number:	7830892
Patent Number:	7830936
Patent Number:	7830954
Patent Number:	7830981
Patent Number:	7830995
Patent Number:	7831211
Patent Number:	7831217
Patent Number:	7831237
Patent Number:	7831653
Patent Number:	7834687
Patent Number:	7834709
Patent Number:	7834937
Patent Number:	7835292
Patent Number:	7835311
Patent Number:	7835327
Patent Number:	7835334
Patent Number:	7835363
Patent Number:	7835374
Patent Number:	7835380
Patent Number:	7835387
Patent Number:	7835389
Patent Number:	7835398

PATENT

REEL: 047620 FRAME: 0360

PATENT

REEL: 048883 FRAME: 0339

Property Type	Number
Patent Number:	7835431
Patent Number:	7835432
Patent Number:	7835544
Patent Number:	7835713
Patent Number:	7835717
Patent Number:	7836196
Patent Number:	7836274
Patent Number:	7836297
Patent Number:	7836315
Patent Number:	7839161
Patent Number:	7839334
Patent Number:	7839778
Patent Number:	7839785
Patent Number:	7839788
Patent Number:	7839842
Patent Number:	7839872
Patent Number:	7839897
Patent Number:	7839921
Patent Number:	7839965
Patent Number:	7840134
Patent Number:	7840197
Patent Number:	7840202
Patent Number:	7840235
Patent Number:	7840379
Patent Number:	7840756
Patent Number:	7840783
Patent Number:	7840985
Patent Number:	7841781
Patent Number:	7842957
Patent Number:	7843205
Patent Number:	7843370
Patent Number:	7843502
Patent Number:	7843670
Patent Number:	7843825
Patent Number:	7843847
Patent Number:	7844019
Patent Number:	7844222
Patent Number:	7844230

PATENT

REEL: 047920 FRAME: 0361

REEL: 048883 FRAME: 0340

Property Type	Number
Patent Number:	7844242
Patent Number:	7844996
Patent Number:	7845556
Patent Number:	7847608
Patent Number:	7847864
Patent Number:	7848172
Patent Number:	7848289
Patent Number:	7848408
Patent Number:	7848430
Patent Number:	7848724
Patent Number:	7848930
Patent Number:	7849172
Patent Number:	7849208
Patent Number:	7849211
Patent Number:	7849248
Patent Number:	7849348
Patent Number:	7849385
Patent Number:	7849489
Patent Number:	7851938
Patent Number:	7851941
Patent Number:	7852058
Patent Number:	7852133
Patent Number:	7852160
Patent Number:	7852186
Patent Number:	7852239
Patent Number:	7852313
Patent Number:	7852351
Patent Number:	7852408
Patent Number:	7852416
Patent Number:	7852644
Patent Number:	7852645
Patent Number:	7852697
Patent Number:	7852856
Patent Number:	7852865
Patent Number:	7852871
Patent Number:	7852872
Patent Number:	7852910
Patent Number:	7853255

Property Type	Number
Patent Number:	7853268
Patent Number:	7853691
Patent Number:	7853968
Patent Number:	7855414
Patent Number:	7855448
Patent Number:	7855614
Patent Number:	7855618
Patent Number:	7855993
Patent Number:	7856013
Patent Number:	7856015
Patent Number:	7856020
Patent Number:	7856034
Patent Number:	7856049
Patent Number:	7856052
Patent Number:	7856245
Patent Number:	7856252
Patent Number:	7859074
Patent Number:	7859101
Patent Number:	7859359
Patent Number:	7859361
Patent Number:	7859437
Patent Number:	7859440
Patent Number:	7859454
Patent Number:	7859780
Patent Number:	7859876
Patent Number:	7860011
Patent Number:	7860091
Patent Number:	7860146
Patent Number:	7860199
Patent Number:	7860454
Patent Number:	7860467
Patent Number:	7860486
Patent Number:	7861271
Patent Number:	7863716
Patent Number:	7863998
Patent Number:	7864133
Patent Number:	7864681
Patent Number:	7864689

Property Type	Number
Patent Number:	7864742
Patent Number:	7864794
Patent Number:	7864797
Patent Number:	7864806
Patent Number:	7864909
Patent Number:	7865030
Patent Number:	7865138
Patent Number:	7865142
Patent Number:	7865162
Patent Number:	7865202
Patent Number:	7865361
Patent Number:	7865661
Patent Number:	7865744
Patent Number:	7865748
Patent Number:	7865759
Patent Number:	7865814
Patent Number:	7868383
Patent Number:	7868696
Patent Number:	7869251
Patent Number:	7869300
Patent Number:	7869356
Patent Number:	7869456
Patent Number:	7869537
Patent Number:	7869540
Patent Number:	7869541
Patent Number:	7869550
Patent Number:	7869590
Patent Number:	7869771
Patent Number:	7869777
Patent Number:	7869781
Patent Number:	7869782
Patent Number:	7870321
Patent Number:	7870401
Patent Number:	7870444
Patent Number:	7872325
Patent Number:	7872335
Patent Number:	7872528
Patent Number:	7872637

PATENT

REEL: 047620 FRAME: 0364

REEL: 048883 FRAME: 0343

Property Type	Number
Patent Number:	7872821
Patent Number:	7872823
Patent Number:	7872825
Patent Number:	7872929
Patent Number:	7873039
Patent Number:	7873105
Patent Number:	7873110
Patent Number:	7873125
Patent Number:	7873324
Patent Number:	7873325
Patent Number:	7873332
Patent Number:	7873336
Patent Number:	7873384
Patent Number:	7873538
Patent Number:	7873844
Patent Number:	7876071
Patent Number:	7876123
Patent Number:	7876158
Patent Number:	7876380
Patent Number:	7876590
Patent Number:	7876680
Patent Number:	7876758
Patent Number:	7876761
Patent Number:	7876808
Patent Number:	7877071
Patent Number:	7877078
Patent Number:	7877528
Patent Number:	7877674
Patent Number:	7877752
Patent Number:	7879641
Patent Number:	7880381
Patent Number:	7880657
Patent Number:	7880658
Patent Number:	7880677
Patent Number:	7881090
Patent Number:	7881125
Patent Number:	7881202
Patent Number:	7881278

PATENT

REEL: 047907 FRAME: 0365

REEL: 048883 FRAME: 0344

Property Type	Number
Patent Number:	7881323
Patent Number:	7881331
Patent Number:	7881384
Patent Number:	7881406
Patent Number:	7881673
Patent Number:	7881677
Patent Number:	7881747
Patent Number:	7881753
Patent Number:	7882474
Patent Number:	7884639
Patent Number:	7884656
Patent Number:	7884675
Patent Number:	7884762
Patent Number:	7885237
Patent Number:	7885268
Patent Number:	7885288
Patent Number:	7885324
Patent Number:	7885611
Patent Number:	7885629
Patent Number:	7885681
Patent Number:	7886105
Patent Number:	7888581
Patent Number:	7888868
Patent Number:	7888944
Patent Number:	7889000
Patent Number:	7889024
Patent Number:	7889177
Patent Number:	7889186
Patent Number:	7889582
Patent Number:	7889761
Patent Number:	7889781
Patent Number:	7889783
Patent Number:	7889821
Patent Number:	7889822
Patent Number:	7889993
Patent Number:	7890059
Patent Number:	7890064
Patent Number:	7890066

Property Type	Number
Patent Number:	7890069
Patent Number:	7890079
Patent Number:	7890143
Patent Number:	7890145
Patent Number:	7890565
Patent Number:	7890680
Patent Number:	7890688
Patent Number:	7890776
Patent Number:	7890789
Patent Number:	7893546
Patent Number:	7893564
Patent Number:	7893668
Patent Number:	7893773
Patent Number:	7893993
Patent Number:	7894404
Patent Number:	7894421
Patent Number:	7894464
Patent Number:	7894506
Patent Number:	7894507
Patent Number:	7894537
Patent Number:	7894777
Patent Number:	7894778
Patent Number:	7894790
Patent Number:	7894796
Patent Number:	7894800
Patent Number:	7894846
Patent Number:	7895482
Patent Number:	7895495
Patent Number:	7895657
Patent Number:	7895720
Patent Number:	7897967
Patent Number:	7898109
Patent Number:	7898222
Patent Number:	7898314
Patent Number:	7898325
Patent Number:	7898547
Patent Number:	7898962
Patent Number:	7898967

Property Type	Number
Patent Number:	7899007
Patent Number:	7899020
Patent Number:	7899034
Patent Number:	7899059
Patent Number:	7899303
Patent Number:	7899409
Patent Number:	7899410
Patent Number:	7899421
Patent Number:	7899423
Patent Number:	7899428
Patent Number:	7899434
Patent Number:	7899436
Patent Number:	7899951
Patent Number:	7899956
Patent Number:	7899966
Patent Number:	7900032
Patent Number:	7900067
Patent Number:	7900116
Patent Number:	7900122
Patent Number:	7902924
Patent Number:	7903124
Patent Number:	7903149
Patent Number:	7903598
Patent Number:	7903609
Patent Number:	7903728
Patent Number:	7903739
Patent Number:	7903757
Patent Number:	7903813
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Patent Number:	7904042
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Patent Number:	7904049
Patent Number:	7904074
Patent Number:	7904584
Patent Number:	7904624
Patent Number:	7906372
Patent Number:	7906835

Property Type	Number
Patent Number:	7906955
Patent Number:	7906992
Patent Number:	7907428
Patent Number:	7907617
Patent Number:	7907626
Patent Number:	7907662
Patent Number:	7907921
Patent Number:	7907925
Patent Number:	7907927
Patent Number:	7908376
Patent Number:	7908420
Patent Number:	7908428
Patent Number:	7908494
Patent Number:	7908495
Patent Number:	7908624
Patent Number:	7911261
Patent Number:	7911279
Patent Number:	7911365
Patent Number:	7911388
Patent Number:	7911818
Patent Number:	7911958
Patent Number:	7912060
Patent Number:	7912064
Patent Number:	7912066
Patent Number:	7912127
Patent Number:	7912153
Patent Number:	7912428
Patent Number:	7912449
Patent Number:	7912728
Patent Number:	7913104
Patent Number:	7913125
Patent Number:	7913127
Patent Number:	7913289
Patent Number:	7915512
Patent Number:	7915742
Patent Number:	7915755
Patent Number:	7916676
Patent Number:	7916677

Property Type	Number
Patent Number:	7916694
Patent Number:	7916706
Patent Number:	7916800
Patent Number:	7916804
Patent Number:	7916807
Patent Number:	7916814
Patent Number:	7916816
Patent Number:	7917100
Patent Number:	7917101
Patent Number:	7917108
Patent Number:	7917112
Patent Number:	7917116
Patent Number:	7917132
Patent Number:	7917515
Patent Number:	7917657
Patent Number:	7917790
Patent Number:	7918401
Patent Number:	7919781
Patent Number:	7919957
Patent Number:	7919985
Patent Number:	7920151
Patent Number:	7920366
Patent Number:	7920397
Patent Number:	7920398
Patent Number:	7920399
Patent Number:	7920425
Patent Number:	7920446
Patent Number:	7920526
Patent Number:	7920527
Patent Number:	7920553
Patent Number:	7920597
Patent Number:	7920603
Patent Number:	7920628
Patent Number:	7920630
Patent Number:	7920633
Patent Number:	7920713
Patent Number:	7920837
Patent Number:	7920895

PATENT

REEL: 047920 FRAME: 0370

REEL: 048883 FRAME: 0349

Property Type	Number
Patent Number:	7920900
Patent Number:	7921240
Patent Number:	7921263
Patent Number:	7921310
Patent Number:	7922352
Patent Number:	7923831
Patent Number:	7923868
Patent Number:	7924095
Patent Number:	7924186
Patent Number:	7924187
Patent Number:	7924265
Patent Number:	7924292
Patent Number:	7924345
Patent Number:	7924518
Patent Number:	7924523
Patent Number:	7924589
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Patent Number:	7924752
Patent Number:	7924764
Patent Number:	7924783
Patent Number:	7924828
Patent Number:	7924915
Patent Number:	7924943
Patent Number:	7924944
Patent Number:	7924947
Patent Number:	7925024
Patent Number:	7925164
Patent Number:	7925212
Patent Number:	7925213
Patent Number:	7925221
Patent Number:	7925463
Patent Number:	7925795
Patent Number:	7925906
Patent Number:	7925959
Patent Number:	7926008
Patent Number:	7926067
Patent Number:	7926094
Patent Number:	7928765

PATENT

REEL: 047920 FRAME: 0371

REEL: 048883 FRAME: 0350

Property Type	Number
Patent Number:	7928874
Patent Number:	7929486
Patent Number:	7929492
Patent Number:	7929518
Patent Number:	7929540
Patent Number:	7929575
Patent Number:	7929576
Patent Number:	7929588
Patent Number:	7929595
Patent Number:	7929935
Patent Number:	7929939
Patent Number:	7929972
Patent Number:	7930000
Patent Number:	7930176
Patent Number:	7930373
Patent Number:	7930615
Patent Number:	7930737
Patent Number:	7932604
Patent Number:	7932955
Patent Number:	7932959
Patent Number:	7933155
Patent Number:	7933227
Patent Number:	7933252
Patent Number:	7933282
Patent Number:	7933312
Patent Number:	7933323
Patent Number:	7933328
Patent Number:	7933341
Patent Number:	7933555
Patent Number:	7933562
Patent Number:	7933636
Patent Number:	7934021
Patent Number:	7934139
Patent Number:	7936288
Patent Number:	7936546
Patent Number:	7936576
Patent Number:	7936577
Patent Number:	7936744

Property Type	Number
Patent Number:	7936777
Patent Number:	7936778
Patent Number:	7936829
Patent Number:	7936833
Patent Number:	7936840
Patent Number:	7936850
Patent Number:	7936879
Patent Number:	7937099
Patent Number:	7937554
Patent Number:	7937593
Patent Number:	7937628
Patent Number:	7937649
Patent Number:	7938557
Patent Number:	7940140
Patent Number:	7940142
Patent Number:	7940214
Patent Number:	7940501
Patent Number:	7940593
Patent Number:	7940615
Patent Number:	7940681
Patent Number:	7940707
Patent Number:	7940751
Patent Number:	7940774
Patent Number:	7940870
Patent Number:	7940871
Patent Number:	7940921
Patent Number:	7941107
Patent Number:	7941113
Patent Number:	7941118
Patent Number:	7941138
Patent Number:	7941147
Patent Number:	7941159
Patent Number:	7941179
Patent Number:	7941180
Patent Number:	7941272
Patent Number:	7941320
Patent Number:	7941603
Patent Number:	7941613

Property Type	Number
Patent Number:	7941649
Patent Number:	7941662
Patent Number:	7941710
Patent Number:	7941732
Patent Number:	7943400
Patent Number:	7944016
Patent Number:	7944221
Patent Number:	7944251
Patent Number:	7944291
Patent Number:	7944322
Patent Number:	7944376
Patent Number:	7944380
Patent Number:	7944394
Patent Number:	7944398
Patent Number:	7944403
Patent Number:	7944655
Patent Number:	7944659
Patent Number:	7944724
Patent Number:	7944829
Patent Number:	7944885
Patent Number:	7944907
Patent Number:	7945047
Patent Number:	7945209
Patent Number:	7945216
Patent Number:	7945258
Patent Number:	7945387
Patent Number:	7945725
Patent Number:	7945823
Patent Number:	7947545
Patent Number:	7948067
Patent Number:	7948275
Patent Number:	7948325
Patent Number:	7948390
Patent Number:	7948434
Patent Number:	7948699
Patent Number:	7948819
Patent Number:	7948880
Patent Number:	7948896

Property Type	Number
Patent Number:	7948914
Patent Number:	7948956
Patent Number:	7948977
Patent Number:	7948987
Patent Number:	7949044
Patent Number:	7949051
Patent Number:	7949297
Patent Number:	7949303
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Patent Number:	7949419
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Patent Number:	7949805
Patent Number:	7949813
Patent Number:	7952397
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Patent Number:	7952502
Patent Number:	7952824
Patent Number:	7952962
Patent Number:	7953001
Patent Number:	7953002
Patent Number:	7953008
Patent Number:	7953021
Patent Number:	7953038
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Patent Number:	7953063
Patent Number:	7953086
Patent Number:	7953093
Patent Number:	7953138
Patent Number:	7953140

PATENT

REEL: 047620 FRAME: 0375

PATENT

REEL: 048883 FRAME: 0354

Property Type	Number
Patent Number:	7953161
Patent Number:	7953163
Patent Number:	7953170
Patent Number:	7953188
Patent Number:	7953193
Patent Number:	7953194
Patent Number:	7953315
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Patent Number:	7953385
Patent Number:	7953435
Patent Number:	7953439
Patent Number:	7953444
Patent Number:	7953459
Patent Number:	7953721
Patent Number:	7953817
Patent Number:	7953908
Patent Number:	7955904
Patent Number:	7956494
Patent Number:	7956616
Patent Number:	7956645
Patent Number:	7956687
Patent Number:	7956689
Patent Number:	7956691
Patent Number:	7956790
Patent Number:	7956929
Patent Number:	7957172
Patent Number:	7957251
Patent Number:	7957308
Patent Number:	7957328
Patent Number:	7957339
Patent Number:	7957392
Patent Number:	7957411
Patent Number:	7957415
Patent Number:	7957457
Patent Number:	7957558
Patent Number:	7957606
Patent Number:	7957704
Patent Number:	7957711

PATENT

REEL: 047920 FRAME: 0376

REEL: 048883 FRAME: 0355

Property Type	Number
Patent Number:	7957741
Patent Number:	7957767
Patent Number:	7957960
Patent Number:	7958015
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Patent Number:	7958298
Patent Number:	7958395
Patent Number:	7958428
Patent Number:	7958429
Patent Number:	7958431
Patent Number:	7958525
Patent Number:	7958536
Patent Number:	7959073
Patent Number:	7960864
Patent Number:	7961193
Patent Number:	7961252
Patent Number:	7961256
Patent Number:	7961712
Patent Number:	7961723
Patent Number:	7961747
Patent Number:	7961775
Patent Number:	7961781
Patent Number:	7961792
Patent Number:	7961812
Patent Number:	7961823
Patent Number:	7961882
Patent Number:	7962147
Patent Number:	7962164
Patent Number:	7962783
Patent Number:	7962794
Patent Number:	7963674
Patent Number:	7963705
Patent Number:	7964860
Patent Number:	7965133
Patent Number:	7965215
Patent Number:	7965647
Patent Number:	7965691
Patent Number:	7965719

Property Type	Number
Patent Number:	7965790
Patent Number:	7965994
Patent Number:	7966281
Patent Number:	7966351
Patent Number:	7966353
Patent Number:	7966417
Patent Number:	7966422
Patent Number:	7966431
Patent Number:	7966465
Patent Number:	7966502
Patent Number:	7966504
Patent Number:	7966613
Patent Number:	7968899
Patent Number:	7969001
Patent Number:	7969130
Patent Number:	7969222
Patent Number:	7969241
Patent Number:	7969335
Patent Number:	7969337
Patent Number:	7969353
Patent Number:	7969361
Patent Number:	7969677
Patent Number:	7969704
Patent Number:	7969911
Patent Number:	7970010
Patent Number:	7970045
Patent Number:	7970056
Patent Number:	7970124
Patent Number:	7970262
Patent Number:	7970358
Patent Number:	7970373
Patent Number:	7970374
Patent Number:	7970733
Patent Number:	7970908
Patent Number:	7970962
Patent Number:	7971075
Patent Number:	7971092
Patent Number:	7971125

Property Type	Number
Patent Number:	7973428
Patent Number:	7973567
Patent Number:	7973636
Patent Number:	7973681
Patent Number:	7973702
Patent Number:	7973710
Patent Number:	7973730
Patent Number:	7973818
Patent Number:	7973858
Patent Number:	7974030
Patent Number:	7974035
Patent Number:	7974049
Patent Number:	7974284
Patent Number:	7974298
Patent Number:	7974305
Patent Number:	7974337
Patent Number:	7974369
Patent Number:	7974489
Patent Number:	7974517
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Patent Number:	7976387
Patent Number:	7977623
Patent Number:	7977692

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Patent Number:	7979679
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Patent Number:	7983216
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Patent Number:	7983295
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Patent Number:	7983335
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Patent Number:	7983355
Patent Number:	7983367
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Patent Number:	7989976
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REEL: 0476 PATENT NAME: 0381
REEL: 048883 FRAME: 0360

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Patent Number:	7990472
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Patent Number:	7990758
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Patent Number:	7990961
Patent Number:	7990968
Patent Number:	7991009
Patent Number:	7991010
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Patent Number:	7991090
Patent Number:	7991101
Patent Number:	7991361
Patent Number:	7991375
Patent Number:	7991423
Patent Number:	7991426
Patent Number:	7991430
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Patent Number:	7991985
Patent Number:	7992174
Patent Number:	7994975
Patent Number:	7995141
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Patent Number:	7995537
Patent Number:	7995604
Patent Number:	7995605
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Patent Number:	7995679
Patent Number:	7995687
Patent Number:	7995695
Patent Number:	7995713

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REEL: 047920 FRAME: 0382

REEL: 048883 FRAME: 0361

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Patent Number:	8000324
Patent Number:	8000387
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Patent Number:	8000493
Patent Number:	8000664
Patent Number:	8000746
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Patent Number:	8001333
Patent Number:	8001374
Patent Number:	8001399
Patent Number:	8001417
Patent Number:	8001432
Patent Number:	8001452
Patent Number:	8004312
Patent Number:	8004807
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Patent Number:	8005084
Patent Number:	8005094
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Patent Number:	8005174
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Patent Number:	8005437

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REEL: 047920 FRAME: 0383

REEL: 048883 FRAME: 0362

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REEL: 048883 FRAME: 0363

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Patent Number:	8010350
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REEL: 048883 FRAME: 0364

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REEL: 048883 FRAME: 0366

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REEL: 048883 FRAME: 0368

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Patent Number:	8041404
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Patent Number:	8041757
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Patent Number:	8044747
Patent Number:	8045062
Patent Number:	8045066
Patent Number:	8045581
Patent Number:	8045618
Patent Number:	8045674
Patent Number:	8045707

PATENT

REEL: 047626 FRAME: 0390

REEL: 048883 FRAME: 0369

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PATENT

REEL: 047541 FRAME: 0391

REEL: 048883 FRAME: 0370

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Patent Number:	8060029
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Patent Number:	8068539

PATENT

REEL: 047647 FRAME: 0392

REEL: 048883 FRAME: 0371

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Patent Number:	8068570
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Patent Number:	8068681
Patent Number:	8068697
Patent Number:	8068708
Patent Number:	8068793
Patent Number:	8068805
Patent Number:	8068831
Patent Number:	8068869
Patent Number:	8069037
Patent Number:	8069265
Patent Number:	8069285
Patent Number:	8069291
Patent Number:	8069295
Patent Number:	8069397
Patent Number:	8072096
Patent Number:	8072270
Patent Number:	8072287
Patent Number:	8072886
Patent Number:	8072976
Patent Number:	8073001
Patent Number:	8073080
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Patent Number:	8073391
Patent Number:	8073397
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Patent Number:	8077427
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PATENT

REEL: 0477427 FRAME: 0393

REEL: 048883 FRAME: 0372

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Patent Number:	8085194
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REEL: 047629 FRAME: 0394

REEL: 048883 FRAME: 0373

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PATENT

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REEL: 048883 FRAME: 0374

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Patent Number:	8090790
Patent Number:	8090864
Patent Number:	8090879

PATENT

REEL: 047529 FRAME: 0396

REEL: 048883 FRAME: 0375

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ATTORNEY DOCKET NUMBER:	106861-9999
NAME OF SUBMITTER:	KELLY CIARMATARO
SIGNATURE:	/Kelly Ciarmataro/
DATE SIGNED:	10/29/2018

Total Attachments: 57

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5174523

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER
EFFECTIVE DATE:	05/09/2018
CONVEYING PARTY DATA	
Name	Execution Date
AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD.	05/09/2018
RECEIVING PARTY DATA	
Name:	AVAGO TECHNOLOGIES INTERNATIONAL SALES PTE. LIMITED
Street Address:	1 YISHUN AVENUE 7
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	768923
PROPERTY NUMBERS Total: 2000	
Property Type	Number
Patent Number:	7679853
Patent Number:	7679878
Patent Number:	7680042
Patent Number:	7680059
Patent Number:	7680083
Patent Number:	7680107
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Patent Number:	7687880
Patent Number:	7688130
Patent Number:	7688237
Patent Number:	7688260
Patent Number:	7688333
Patent Number:	7688334
Patent Number:	7688609
Patent Number:	7688787
Patent Number:	7688806
Patent Number:	7688811
Patent Number:	7688826
Patent Number:	7688838
Patent Number:	7688842
Patent Number:	7688895

PATENT

REEL: 047126 FRAME: 0688

REEL: 048883 FRAME: 0379

Property Type	Number
Patent Number:	7688924
Patent Number:	7688928
Patent Number:	7689174
Patent Number:	7689188
Patent Number:	7689210
Patent Number:	7689744
Patent Number:	7689760
Patent Number:	7689763
Patent Number:	7689819
Patent Number:	7689852
Patent Number:	7692247
Patent Number:	7692276
Patent Number:	7692887
Patent Number:	7692941
Patent Number:	7693088
Patent Number:	7693178
Patent Number:	7693182
Patent Number:	7693186
Patent Number:	7693228
Patent Number:	7693248
Patent Number:	7693291
Patent Number:	7693491
Patent Number:	7693498
Patent Number:	7693531
Patent Number:	7693660
Patent Number:	7693672
Patent Number:	7693721
Patent Number:	7694171
Patent Number:	7694211
Patent Number:	7696636
Patent Number:	7696640
Patent Number:	7696726
Patent Number:	7696765
Patent Number:	7696800
Patent Number:	7696821
Patent Number:	7696823
Patent Number:	7696841
Patent Number:	7696915

PATENT

REEL: 047196 FRAME: 0689

PATENT

REEL: 048883 FRAME: 0380

Property Type	Number
Patent Number:	7696985
Patent Number:	7697024
Patent Number:	7697364
Patent Number:	7697426
Patent Number:	7697432
Patent Number:	7697448
Patent Number:	7697470
Patent Number:	7697522
Patent Number:	7697537
Patent Number:	7697543
Patent Number:	7697546
Patent Number:	7697564
Patent Number:	7697596
Patent Number:	7697606
Patent Number:	7697615
Patent Number:	7697629
Patent Number:	7697895
Patent Number:	7697900
Patent Number:	7697903
Patent Number:	7697911
Patent Number:	7698477
Patent Number:	7698485
Patent Number:	7698523
Patent Number:	7701088
Patent Number:	7701295
Patent Number:	7701382
Patent Number:	7701389
Patent Number:	7701466
Patent Number:	7701508
Patent Number:	7701515
Patent Number:	7701654
Patent Number:	7701954
Patent Number:	7701977
Patent Number:	7701978
Patent Number:	7702010
Patent Number:	7702020
Patent Number:	7702037
Patent Number:	7702089

Property Type	Number
Patent Number:	7702119
Patent Number:	7702291
Patent Number:	7702306
Patent Number:	7702973
Patent Number:	7702989
Patent Number:	7702991
Patent Number:	7704800
Patent Number:	7705463
Patent Number:	7705557
Patent Number:	7705654
Patent Number:	7705683
Patent Number:	7705913
Patent Number:	7706170
Patent Number:	7706246
Patent Number:	7706338
Patent Number:	7706427
Patent Number:	7706433
Patent Number:	7706472
Patent Number:	7706487
Patent Number:	7706581
Patent Number:	7706759
Patent Number:	7706770
Patent Number:	7706771
Patent Number:	7706777
Patent Number:	7706827
Patent Number:	7707346
Patent Number:	7707356
Patent Number:	7707363
Patent Number:	7707393
Patent Number:	7707434
Patent Number:	7707435
Patent Number:	7707441
Patent Number:	7707449
Patent Number:	7708427
Patent Number:	7708441
Patent Number:	7708475
Patent Number:	7709784
Patent Number:	7710170

Property Type	Number
Patent Number:	7710179
Patent Number:	7710184
Patent Number:	7710300
Patent Number:	7710581
Patent Number:	7710895
Patent Number:	7710954
Patent Number:	7710960
Patent Number:	7711009
Patent Number:	7711061
Patent Number:	7711203
Patent Number:	7711220
Patent Number:	7711339
Patent Number:	7711374
Patent Number:	7711563
Patent Number:	7711935
Patent Number:	7711967
Patent Number:	7711999
Patent Number:	7712008
Patent Number:	7712669
Patent Number:	7712910
Patent Number:	7714647
Patent Number:	7714655
Patent Number:	7714675
Patent Number:	7714684
Patent Number:	7714779
Patent Number:	7714780
Patent Number:	7715265
Patent Number:	7715351
Patent Number:	7715375
Patent Number:	7715384
Patent Number:	7715393
Patent Number:	7715432
Patent Number:	7715437
Patent Number:	7715472
Patent Number:	7715482
Patent Number:	7715489
Patent Number:	7715669
Patent Number:	7715699

PATENT

REEL: 047900 FRAME: 0692

REEL: 048883 FRAME: 0383

Property Type	Number
Patent Number:	7715726
Patent Number:	7715792
Patent Number:	7715794
Patent Number:	7715806
Patent Number:	7715809
Patent Number:	7715836
Patent Number:	7718942
Patent Number:	7719074
Patent Number:	7719083
Patent Number:	7719110
Patent Number:	7719547
Patent Number:	7719576
Patent Number:	7719618
Patent Number:	7719920
Patent Number:	7720001
Patent Number:	7720038
Patent Number:	7720055
Patent Number:	7720090
Patent Number:	7720147
Patent Number:	7720230
Patent Number:	7720304
Patent Number:	7720444
Patent Number:	7720507
Patent Number:	7721014
Patent Number:	7721021
Patent Number:	7721027
Patent Number:	7724057
Patent Number:	7724085
Patent Number:	7724096
Patent Number:	7724279
Patent Number:	7724307
Patent Number:	7724460
Patent Number:	7724682
Patent Number:	7724710
Patent Number:	7724715
Patent Number:	7724763
Patent Number:	7724846
Patent Number:	7724970

PATENT

REEL: 047196 FRAME: 0693

PATENT

REEL: 048883 FRAME: 0384

Property Type	Number
Patent Number:	7724979
Patent Number:	7725096
Patent Number:	7725636
Patent Number:	7725639
Patent Number:	7725640
Patent Number:	7728661
Patent Number:	7728664
Patent Number:	7728677
Patent Number:	7728866
Patent Number:	7729075
Patent Number:	7729276
Patent Number:	7729373
Patent Number:	7729454
Patent Number:	7729670
Patent Number:	7729676
Patent Number:	7729683
Patent Number:	7729722
Patent Number:	7729724
Patent Number:	7730152
Patent Number:	7730228
Patent Number:	7730238
Patent Number:	7730256
Patent Number:	7730296
Patent Number:	7730382
Patent Number:	7730384
Patent Number:	7730514
Patent Number:	7731409
Patent Number:	7731433
Patent Number:	7732754
Patent Number:	7732755
Patent Number:	7732977
Patent Number:	7733021
Patent Number:	7733034
Patent Number:	7733064
Patent Number:	7733281
Patent Number:	7733781
Patent Number:	7733834
Patent Number:	7733879

PATENT

REEL: 047196 FRAME: 0694

REEL: 048883 FRAME: 0385

Property Type	Number
Patent Number:	7733912
Patent Number:	7733939
Patent Number:	7733952
Patent Number:	7733972
Patent Number:	7733981
Patent Number:	7733994
Patent Number:	7733998
Patent Number:	7734189
Patent Number:	7734258
Patent Number:	7734306
Patent Number:	7734440
Patent Number:	7734788
Patent Number:	7734932
Patent Number:	7736020
Patent Number:	7736044
Patent Number:	7736070
Patent Number:	7737546
Patent Number:	7737634
Patent Number:	7737665
Patent Number:	7737704
Patent Number:	7737798
Patent Number:	7737807
Patent Number:	7737872
Patent Number:	7738045
Patent Number:	7738200
Patent Number:	7738366
Patent Number:	7738385
Patent Number:	7738387
Patent Number:	7738482
Patent Number:	7738517
Patent Number:	7738549
Patent Number:	7738607
Patent Number:	7738652
Patent Number:	7738849
Patent Number:	7739032
Patent Number:	7739528
Patent Number:	7739567
Patent Number:	7740390

PATENT

REEL: 047496 FRAME: 0695

PATENT

REEL: 048883 FRAME: 0386

Property Type	Number
Patent Number:	7741670
Patent Number:	7741879
Patent Number:	7741896
Patent Number:	7741920
Patent Number:	7741935
Patent Number:	7741943
Patent Number:	7742033
Patent Number:	7742063
Patent Number:	7742355
Patent Number:	7742389
Patent Number:	7742390
Patent Number:	7742427
Patent Number:	7742466
Patent Number:	7742495
Patent Number:	7742544
Patent Number:	7742752
Patent Number:	7743376
Patent Number:	7743977
Patent Number:	7746046
Patent Number:	7746124
Patent Number:	7746291
Patent Number:	7746354
Patent Number:	7746590
Patent Number:	7746629
Patent Number:	7746677
Patent Number:	7746679
Patent Number:	7746692
Patent Number:	7746846
Patent Number:	7746854
Patent Number:	7746867
Patent Number:	7746886
Patent Number:	7747002
Patent Number:	7748912
Patent Number:	7750356
Patent Number:	7750500
Patent Number:	7750610
Patent Number:	7750750
Patent Number:	7751275

PATENT

REEL: 047496 FRAME: 0696

PATENT

REEL: 048883 FRAME: 0387

Property Type	Number
Patent Number:	7751373
Patent Number:	7751404
Patent Number:	7751429
Patent Number:	7751480
Patent Number:	7751516
Patent Number:	7751850
Patent Number:	7752472
Patent Number:	7755397
Patent Number:	7755413
Patent Number:	7755421
Patent Number:	7755948
Patent Number:	7756221
Patent Number:	7756235
Patent Number:	7756267
Patent Number:	7756464
Patent Number:	7756478
Patent Number:	7756483
Patent Number:	7757113
Patent Number:	7759622
Patent Number:	7759970
Patent Number:	7760008
Patent Number:	7760093
Patent Number:	7760568
Patent Number:	7760673
Patent Number:	7760951
Patent Number:	7760979
Patent Number:	7761061
Patent Number:	7761115
Patent Number:	7761304
Patent Number:	7761642
Patent Number:	7761654
Patent Number:	7764541
Patent Number:	7764674
Patent Number:	7764704
Patent Number:	7764788
Patent Number:	7764853
Patent Number:	7764932
Patent Number:	7765078

Property Type	Number
Patent Number:	7765441
Patent Number:	7768037
Patent Number:	7768350
Patent Number:	7768389
Patent Number:	7768434
Patent Number:	7769047
Patent Number:	7769111
Patent Number:	7769258
Patent Number:	7769831
Patent Number:	7769948
Patent Number:	7770047
Patent Number:	7770095
Patent Number:	7772936
Patent Number:	7773332
Patent Number:	7773511
Patent Number:	7773631
Patent Number:	7773666
Patent Number:	7773667
Patent Number:	7773741
Patent Number:	7773955
Patent Number:	7774545
Patent Number:	7774634
Patent Number:	7777355
Patent Number:	7777412
Patent Number:	7777579
Patent Number:	7777636
Patent Number:	7777689
Patent Number:	7777781
Patent Number:	7778168
Patent Number:	7778241
Patent Number:	7778245
Patent Number:	7778254
Patent Number:	7778286
Patent Number:	7778313
Patent Number:	7778377
Patent Number:	7778548
Patent Number:	7778592
Patent Number:	7778601

PATENT

REEL: 047126 FRAME: 0698

PATENT

REEL: 048883 FRAME: 0389

Property Type	Number
Patent Number:	7778829
Patent Number:	7779071
Patent Number:	7779325
Patent Number:	7779331
Patent Number:	7780258
Patent Number:	7780302
Patent Number:	7781882
Patent Number:	7782127
Patent Number:	7782166
Patent Number:	7782550
Patent Number:	7782645
Patent Number:	7782850
Patent Number:	7782855
Patent Number:	7782907
Patent Number:	7782992
Patent Number:	7783038
Patent Number:	7783251
Patent Number:	7783257
Patent Number:	7783293
Patent Number:	7783802
Patent Number:	7784694
Patent Number:	7786591
Patent Number:	7786739
Patent Number:	7786807
Patent Number:	7786825
Patent Number:	7787183
Patent Number:	7787275
Patent Number:	7787355
Patent Number:	7787387
Patent Number:	7787419
Patent Number:	7787507
Patent Number:	7787515
Patent Number:	7787529
Patent Number:	7787569
Patent Number:	7787631
Patent Number:	7787901
Patent Number:	7788420
Patent Number:	7791167

Property Type	Number
Patent Number:	7791368
Patent Number:	7791412
Patent Number:	7791434
Patent Number:	7791435
Patent Number:	7791523
Patent Number:	7791900
Patent Number:	7792104
Patent Number:	7792426
Patent Number:	7792435
Patent Number:	7792515
Patent Number:	7793007
Patent Number:	7793010
Patent Number:	7793170
Patent Number:	7794130
Patent Number:	7795576
Patent Number:	7795954
Patent Number:	7795973
Patent Number:	7795997
Patent Number:	7796119
Patent Number:	7796627
Patent Number:	7796682
Patent Number:	7796683
Patent Number:	7796684
Patent Number:	7796696
Patent Number:	7796711
Patent Number:	7796763
Patent Number:	7796892
Patent Number:	7796970
Patent Number:	7797550
Patent Number:	7797560
Patent Number:	7797605
Patent Number:	7800399
Patent Number:	7800457
Patent Number:	7800581
Patent Number:	7800930
Patent Number:	7801063
Patent Number:	7801098
Patent Number:	7801099

PATENT

REEL: 047496 FRAME: 0700

PATENT

REEL: 048883 FRAME: 0391

Property Type	Number
Patent Number:	7801161
Patent Number:	7801176
Patent Number:	7801200
Patent Number:	7801223
Patent Number:	7801240
Patent Number:	7801558
Patent Number:	7801699
Patent Number:	7802163
Patent Number:	7802297
Patent Number:	7802349
Patent Number:	7804356
Patent Number:	7804776
Patent Number:	7804869
Patent Number:	7804893
Patent Number:	7805160
Patent Number:	7805297
Patent Number:	7805313
Patent Number:	7805554
Patent Number:	7808087
Patent Number:	7808115
Patent Number:	7808223
Patent Number:	7808294
Patent Number:	7808759
Patent Number:	7808985
Patent Number:	7809043
Patent Number:	7809049
Patent Number:	7809091
Patent Number:	7809092
Patent Number:	7809094
Patent Number:	7809096
Patent Number:	7809333
Patent Number:	7809395
Patent Number:	7809832
Patent Number:	7812641
Patent Number:	7812746
Patent Number:	7812747
Patent Number:	7812749
Patent Number:	7813285

PATENT

REEL: 047496 FRAME: 0701

PATENT

REEL: 048883 FRAME: 0392

Property Type	Number
Patent Number:	7813295
Patent Number:	7813415
Patent Number:	7813422
Patent Number:	7813429
Patent Number:	7813431
Patent Number:	7813448
Patent Number:	7813694
Patent Number:	7813698
Patent Number:	7814189
Patent Number:	7814245
Patent Number:	7814268
Patent Number:	7814342
Patent Number:	7814346
Patent Number:	7817072
Patent Number:	7817363
Patent Number:	7817591
Patent Number:	7817662
Patent Number:	7817676
Patent Number:	7817711
Patent Number:	7817721
Patent Number:	7817883
Patent Number:	7817962
Patent Number:	7818015
Patent Number:	7818028
Patent Number:	7818483
Patent Number:	7818521
Patent Number:	7818540
Patent Number:	7818787
Patent Number:	7821280
Patent Number:	7821580
Patent Number:	7821581
Patent Number:	7821730
Patent Number:	7821844
Patent Number:	7821853
Patent Number:	7821954
Patent Number:	7822037
Patent Number:	7822102
Patent Number:	7822394

PATENT

REEL: 047496 FRAME: 0702

PATENT

REEL: 048883 FRAME: 0393

Property Type	Number
Patent Number:	7822408
Patent Number:	7825749
Patent Number:	7826242
Patent Number:	7826310
Patent Number:	7826411
Patent Number:	7826416
Patent Number:	7826446
Patent Number:	7826457
Patent Number:	7826493
Patent Number:	7826547
Patent Number:	7826565
Patent Number:	7826575
Patent Number:	7826718
Patent Number:	7826865
Patent Number:	7826875
Patent Number:	7830101
Patent Number:	7830152
Patent Number:	7830691
Patent Number:	7830845
Patent Number:	7830879
Patent Number:	7830892
Patent Number:	7830936
Patent Number:	7830954
Patent Number:	7830981
Patent Number:	7830995
Patent Number:	7831211
Patent Number:	7831227
Patent Number:	7831237
Patent Number:	7831653
Patent Number:	7834687
Patent Number:	7834709
Patent Number:	7834937
Patent Number:	7835292
Patent Number:	7835311
Patent Number:	7835327
Patent Number:	7835334
Patent Number:	7835363
Patent Number:	7835374

PATENT

REEL: 047120 FRAME: 0703

REEL: 048883 FRAME: 0394

Property Type	Number
Patent Number:	7835380
Patent Number:	7835387
Patent Number:	7835389
Patent Number:	7835398
Patent Number:	7835431
Patent Number:	7835432
Patent Number:	7835544
Patent Number:	7835713
Patent Number:	7835717
Patent Number:	7836196
Patent Number:	7836274
Patent Number:	7836297
Patent Number:	7836315
Patent Number:	7839161
Patent Number:	7839334
Patent Number:	7839778
Patent Number:	7839785
Patent Number:	7839788
Patent Number:	7839842
Patent Number:	7839872
Patent Number:	7839897
Patent Number:	7839921
Patent Number:	7839965
Patent Number:	7840134
Patent Number:	7840197
Patent Number:	7840202
Patent Number:	7840235
Patent Number:	7840379
Patent Number:	7840756
Patent Number:	7840783
Patent Number:	7840985
Patent Number:	7841781
Patent Number:	7842957
Patent Number:	7843205
Patent Number:	7843370
Patent Number:	7843502
Patent Number:	7843670
Patent Number:	7843825

PATENT

REEL: 047498 FRAME: 0704

PATENT

REEL: 048883 FRAME: 0395

Property Type	Number
Patent Number:	7843847
Patent Number:	7844019
Patent Number:	7844222
Patent Number:	7844230
Patent Number:	7844242
Patent Number:	7844996
Patent Number:	7845556
Patent Number:	7847608
Patent Number:	7847864
Patent Number:	7848172
Patent Number:	7848289
Patent Number:	7848408
Patent Number:	7848430
Patent Number:	7848724
Patent Number:	7848930
Patent Number:	7849172
Patent Number:	7849208
Patent Number:	7849211
Patent Number:	7849248
Patent Number:	7849348
Patent Number:	7849385
Patent Number:	7849489
Patent Number:	7851938
Patent Number:	7851941
Patent Number:	7852058
Patent Number:	7852133
Patent Number:	7852160
Patent Number:	7852186
Patent Number:	7852239
Patent Number:	7852313
Patent Number:	7852351
Patent Number:	7852408
Patent Number:	7852416
Patent Number:	7852644
Patent Number:	7852645
Patent Number:	7852697
Patent Number:	7852856
Patent Number:	7852865

PATENT

REEL: 047126 FRAME: 0705

REEL: 048883 FRAME: 0396

Property Type	Number
Patent Number:	7852871
Patent Number:	7852872
Patent Number:	7852910
Patent Number:	7853255
Patent Number:	7853268
Patent Number:	7853691
Patent Number:	7853968
Patent Number:	7855414
Patent Number:	7855448
Patent Number:	7855614
Patent Number:	7855618
Patent Number:	7855993
Patent Number:	7856013
Patent Number:	7856015
Patent Number:	7856020
Patent Number:	7856034
Patent Number:	7856049
Patent Number:	7856052
Patent Number:	7856245
Patent Number:	7856252
Patent Number:	7859074
Patent Number:	7859101
Patent Number:	7859359
Patent Number:	7859360
Patent Number:	7859437
Patent Number:	7859440
Patent Number:	7859454
Patent Number:	7859780
Patent Number:	7859876
Patent Number:	7860011
Patent Number:	7860091
Patent Number:	7860146
Patent Number:	7860199
Patent Number:	7860454
Patent Number:	7860467
Patent Number:	7860486
Patent Number:	7861271
Patent Number:	7863716

PATENT

REEL: 047496 FRAME: 0706

PATENT

REEL: 048883 FRAME: 0397

Property Type	Number
Patent Number:	7863998
Patent Number:	7864133
Patent Number:	7864681
Patent Number:	7864689
Patent Number:	7864742
Patent Number:	7864794
Patent Number:	7864797
Patent Number:	7864806
Patent Number:	7864909
Patent Number:	7865030
Patent Number:	7865138
Patent Number:	7865142
Patent Number:	7865162
Patent Number:	7865202
Patent Number:	7865361
Patent Number:	7865661
Patent Number:	7865744
Patent Number:	7865748
Patent Number:	7865759
Patent Number:	7865814
Patent Number:	7868383
Patent Number:	7868696
Patent Number:	7869238
Patent Number:	7869251
Patent Number:	7869300
Patent Number:	7869356
Patent Number:	7869456
Patent Number:	7869537
Patent Number:	7869540
Patent Number:	7869541
Patent Number:	7869550
Patent Number:	7869590
Patent Number:	7869771
Patent Number:	7869777
Patent Number:	7869781
Patent Number:	7869782
Patent Number:	7870321
Patent Number:	7870401

PATENT

REEL: 047926 FRAME: 0707

REEL: 048883 FRAME: 0398

Property Type	Number
Patent Number:	7870444
Patent Number:	7872325
Patent Number:	7872335
Patent Number:	7872528
Patent Number:	7872637
Patent Number:	7872821
Patent Number:	7872823
Patent Number:	7872825
Patent Number:	7872929
Patent Number:	7873039
Patent Number:	7873105
Patent Number:	7873110
Patent Number:	7873125
Patent Number:	7873324
Patent Number:	7873325
Patent Number:	7873332
Patent Number:	7873336
Patent Number:	7873384
Patent Number:	7873538
Patent Number:	7873844
Patent Number:	7876071
Patent Number:	7876123
Patent Number:	7876158
Patent Number:	7876380
Patent Number:	7876590
Patent Number:	7876680
Patent Number:	7876758
Patent Number:	7876761
Patent Number:	7876808
Patent Number:	7877071
Patent Number:	7877078
Patent Number:	7877528
Patent Number:	7877674
Patent Number:	7877752
Patent Number:	7879641
Patent Number:	7880381
Patent Number:	7880657
Patent Number:	7880658

PATENT

REEL: 047126 FRAME: 0708

REEL: 048883 FRAME: 0399

Property Type	Number
Patent Number:	7880677
Patent Number:	7881090
Patent Number:	7881125
Patent Number:	7881202
Patent Number:	7881278
Patent Number:	7881323
Patent Number:	7881331
Patent Number:	7881384
Patent Number:	7881406
Patent Number:	7881673
Patent Number:	7881677
Patent Number:	7881747
Patent Number:	7881753
Patent Number:	7882474
Patent Number:	7884639
Patent Number:	7884656
Patent Number:	7884675
Patent Number:	7884762
Patent Number:	7885237
Patent Number:	7885268
Patent Number:	7885288
Patent Number:	7885324
Patent Number:	7885611
Patent Number:	7885629
Patent Number:	7885681
Patent Number:	7886105
Patent Number:	7888581
Patent Number:	7888868
Patent Number:	7888944
Patent Number:	7889000
Patent Number:	7889024
Patent Number:	7889177
Patent Number:	7889186
Patent Number:	7889582
Patent Number:	7889761
Patent Number:	7889781
Patent Number:	7889783
Patent Number:	7889821

PATENT

REEL: 047498 FRAME: 0709

PATENT

REEL: 048883 FRAME: 0400

Property Type	Number
Patent Number:	7889822
Patent Number:	7889993
Patent Number:	7890059
Patent Number:	7890064
Patent Number:	7890066
Patent Number:	7890069
Patent Number:	7890079
Patent Number:	7890143
Patent Number:	7890145
Patent Number:	7890565
Patent Number:	7890680
Patent Number:	7890688
Patent Number:	7890776
Patent Number:	7890789
Patent Number:	7893546
Patent Number:	7893564
Patent Number:	7893668
Patent Number:	7893773
Patent Number:	7893993
Patent Number:	7894404
Patent Number:	7894421
Patent Number:	7894464
Patent Number:	7894506
Patent Number:	7894507
Patent Number:	7894537
Patent Number:	7894777
Patent Number:	7894778
Patent Number:	7894790
Patent Number:	7894796
Patent Number:	7894800
Patent Number:	7894846
Patent Number:	7895482
Patent Number:	7895495
Patent Number:	7895657
Patent Number:	7895720
Patent Number:	7897967
Patent Number:	7898109
Patent Number:	7898222

PATENT

REEL: 0477 PATENT NAME: 0710

REEL: 048883 FRAME: 0401

Property Type	Number
Patent Number:	7898314
Patent Number:	7898325
Patent Number:	7898547
Patent Number:	7898962
Patent Number:	7898967
Patent Number:	7899007
Patent Number:	7899020
Patent Number:	7899034
Patent Number:	7899059
Patent Number:	7899303
Patent Number:	7899409
Patent Number:	7899410
Patent Number:	7899421
Patent Number:	7899423
Patent Number:	7899428
Patent Number:	7899434
Patent Number:	7899436
Patent Number:	7899951
Patent Number:	7899956
Patent Number:	7899966
Patent Number:	7900032
Patent Number:	7900067
Patent Number:	7900116
Patent Number:	7900122
Patent Number:	7902924
Patent Number:	7903124
Patent Number:	7903149
Patent Number:	7903598
Patent Number:	7903609
Patent Number:	7903728
Patent Number:	7903739
Patent Number:	7903757
Patent Number:	7903813
Patent Number:	7903824
Patent Number:	7904037
Patent Number:	7904042
Patent Number:	7904047
Patent Number:	7904049

PATENT

REEL: 047426 FRAME: 0711

REEL: 048883 FRAME: 0402

Property Type	Number
Patent Number:	7904074
Patent Number:	7904584
Patent Number:	7904624
Patent Number:	7906372
Patent Number:	7906835
Patent Number:	7906955
Patent Number:	7906992
Patent Number:	7907428
Patent Number:	7907617
Patent Number:	7907626
Patent Number:	7907662
Patent Number:	7907921
Patent Number:	7907925
Patent Number:	7907927
Patent Number:	7908376
Patent Number:	7908420
Patent Number:	7908428
Patent Number:	7908494
Patent Number:	7908495
Patent Number:	7908624
Patent Number:	7911261
Patent Number:	7911279
Patent Number:	7911365
Patent Number:	7911388
Patent Number:	7911818
Patent Number:	7911958
Patent Number:	7912060
Patent Number:	7912064
Patent Number:	7912066
Patent Number:	7912127
Patent Number:	7912153
Patent Number:	7912428
Patent Number:	7912449
Patent Number:	7912728
Patent Number:	7913104
Patent Number:	7913125
Patent Number:	7913127
Patent Number:	7913289

PATENT

REEL: 047496 FRAME: 0712

PATENT

REEL: 048883 FRAME: 0403

Property Type	Number
Patent Number:	7915512
Patent Number:	7915742
Patent Number:	7915755
Patent Number:	7916676
Patent Number:	7916677
Patent Number:	7916694
Patent Number:	7916706
Patent Number:	7916800
Patent Number:	7916804
Patent Number:	7916807
Patent Number:	7916814
Patent Number:	7916816
Patent Number:	7917100
Patent Number:	7917101
Patent Number:	7917108
Patent Number:	7917112
Patent Number:	7917116
Patent Number:	7917132
Patent Number:	7917515
Patent Number:	7917657
Patent Number:	7917790
Patent Number:	7918401
Patent Number:	7919781
Patent Number:	7919957
Patent Number:	7919985
Patent Number:	7920151
Patent Number:	7920366
Patent Number:	7920397
Patent Number:	7920398
Patent Number:	7920399
Patent Number:	7920425
Patent Number:	7920446
Patent Number:	7920526
Patent Number:	7920527
Patent Number:	7920553
Patent Number:	7920597
Patent Number:	7920603
Patent Number:	7920628

PATENT

REEL: 047426 FRAME: 0713

REEL: 048883 FRAME: 0404

Property Type	Number
Patent Number:	7920630
Patent Number:	7920633
Patent Number:	7920713
Patent Number:	7920837
Patent Number:	7920895
Patent Number:	7920900
Patent Number:	7921240
Patent Number:	7921263
Patent Number:	7921310
Patent Number:	7922352
Patent Number:	7923831
Patent Number:	7923868
Patent Number:	7924095
Patent Number:	7924186
Patent Number:	7924187
Patent Number:	7924265
Patent Number:	7924292
Patent Number:	7924345
Patent Number:	7924518
Patent Number:	7924523
Patent Number:	7924589
Patent Number:	7924590
Patent Number:	7924752
Patent Number:	7924764
Patent Number:	7924783
Patent Number:	7924828
Patent Number:	7924915
Patent Number:	7924943
Patent Number:	7924944
Patent Number:	7924947
Patent Number:	7925024
Patent Number:	7925164
Patent Number:	7925212
Patent Number:	7925213
Patent Number:	7925221
Patent Number:	7925463
Patent Number:	7925795
Patent Number:	7925906

PATENT

REEL: 047126 FRAME: 0714

REEL: 048883 FRAME: 0405

Property Type	Number
Patent Number:	7925959
Patent Number:	7926008
Patent Number:	7926067
Patent Number:	7926094
Patent Number:	7928765
Patent Number:	7928874
Patent Number:	7929486
Patent Number:	7929492
Patent Number:	7929518
Patent Number:	7929540
Patent Number:	7929575
Patent Number:	7929576
Patent Number:	7929588
Patent Number:	7929595
Patent Number:	7929935
Patent Number:	7929939
Patent Number:	7929972
Patent Number:	7930000
Patent Number:	7930176
Patent Number:	7930373
Patent Number:	7930615
Patent Number:	7930737
Patent Number:	7932604
Patent Number:	7932955
Patent Number:	7932959
Patent Number:	7933155
Patent Number:	7933227
Patent Number:	7933252
Patent Number:	7933282
Patent Number:	7933312
Patent Number:	7933323
Patent Number:	7933328
Patent Number:	7933341
Patent Number:	7933555
Patent Number:	7933562
Patent Number:	7933636
Patent Number:	7934021
Patent Number:	7934139

PATENT

REEL: 047126 FRAME: 0715

REEL: 048883 FRAME: 0406

Property Type	Number
Patent Number:	7936288
Patent Number:	7936546
Patent Number:	7936576
Patent Number:	7936577
Patent Number:	7936744
Patent Number:	7936777
Patent Number:	7936778
Patent Number:	7936829
Patent Number:	7936833
Patent Number:	7936840
Patent Number:	7936850
Patent Number:	7936879
Patent Number:	7937099
Patent Number:	7937554
Patent Number:	7937593
Patent Number:	7937628
Patent Number:	7937649
Patent Number:	7938557
Patent Number:	7940140
Patent Number:	7940142
Patent Number:	7940214
Patent Number:	7940501
Patent Number:	7940593
Patent Number:	7940615
Patent Number:	7940681
Patent Number:	7940707
Patent Number:	7940751
Patent Number:	7940774
Patent Number:	7940870
Patent Number:	7940871
Patent Number:	7940921
Patent Number:	7941107
Patent Number:	7941113
Patent Number:	7941118
Patent Number:	7941138
Patent Number:	7941147
Patent Number:	7941159
Patent Number:	7941179

PATENT

REEL: 04716 PATENT NAME: 0716

REEL: 048883 FRAME: 0407

Property Type	Number
Patent Number:	7941180
Patent Number:	7941272
Patent Number:	7941320
Patent Number:	7941603
Patent Number:	7941613
Patent Number:	7941649
Patent Number:	7941662
Patent Number:	7941710
Patent Number:	7941732
Patent Number:	7943400
Patent Number:	7944016
Patent Number:	7944221
Patent Number:	7944251
Patent Number:	7944291
Patent Number:	7944322
Patent Number:	7944376
Patent Number:	7944380
Patent Number:	7944394
Patent Number:	7944398
Patent Number:	7944403
Patent Number:	7944655
Patent Number:	7944659
Patent Number:	7944724
Patent Number:	7944829
Patent Number:	7944885
Patent Number:	7944907
Patent Number:	7945047
Patent Number:	7945209
Patent Number:	7945216
Patent Number:	7945258
Patent Number:	7945387
Patent Number:	7945725
Patent Number:	7945823
Patent Number:	7947545
Patent Number:	7948067
Patent Number:	7948275
Patent Number:	7948325
Patent Number:	7948390

PATENT

REEL: 047496 FRAME: 0717

PATENT

REEL: 048883 FRAME: 0408

Property Type	Number
Patent Number:	7948434
Patent Number:	7948699
Patent Number:	7948819
Patent Number:	7948880
Patent Number:	7948896
Patent Number:	7948914
Patent Number:	7948956
Patent Number:	7948977
Patent Number:	7948987
Patent Number:	7949044
Patent Number:	7949051
Patent Number:	7949297
Patent Number:	7949303
Patent Number:	7949309
Patent Number:	7949310
Patent Number:	7949311
Patent Number:	7949315
Patent Number:	7949325
Patent Number:	7949336
Patent Number:	7949341
Patent Number:	7949366
Patent Number:	7949419
Patent Number:	7949463
Patent Number:	7949493
Patent Number:	7949776
Patent Number:	7949805
Patent Number:	7949813
Patent Number:	7952397
Patent Number:	7952398
Patent Number:	7952502
Patent Number:	7952824
Patent Number:	7952962
Patent Number:	7953001
Patent Number:	7953002
Patent Number:	7953008
Patent Number:	7953021
Patent Number:	7953038
Patent Number:	7953057

PATENT

REEL: 047120 FRAME: 0718

REEL: 048883 FRAME: 0409

Property Type	Number
Patent Number:	7953063
Patent Number:	7953086
Patent Number:	7953093
Patent Number:	7953138
Patent Number:	7953140
Patent Number:	7953161
Patent Number:	7953163
Patent Number:	7953170
Patent Number:	7953188
Patent Number:	7953193
Patent Number:	7953194
Patent Number:	7953315
Patent Number:	7953377
Patent Number:	7953385
Patent Number:	7953435
Patent Number:	7953439
Patent Number:	7953444
Patent Number:	7953459
Patent Number:	7953721
Patent Number:	7953817
Patent Number:	7953908
Patent Number:	7955904
Patent Number:	7956494
Patent Number:	7956616
Patent Number:	7956645
Patent Number:	7956687
Patent Number:	7956689
Patent Number:	7956691
Patent Number:	7956790
Patent Number:	7956929
Patent Number:	7957172
Patent Number:	7957251
Patent Number:	7957308
Patent Number:	7957328
Patent Number:	7957339
Patent Number:	7957392
Patent Number:	7957411
Patent Number:	7957415

PATENT

REEL: 047496 FRAME: 0719

PATENT

REEL: 048883 FRAME: 0410

Property Type	Number
Patent Number:	7957457
Patent Number:	7957558
Patent Number:	7957606
Patent Number:	7957704
Patent Number:	7957711
Patent Number:	7957741
Patent Number:	7957767
Patent Number:	7957960
Patent Number:	7958015
Patent Number:	7958282
Patent Number:	7958298
Patent Number:	7958395
Patent Number:	7958428
Patent Number:	7958429
Patent Number:	7958431
Patent Number:	7958525
Patent Number:	7958536
Patent Number:	7959073
Patent Number:	7960864
Patent Number:	7961193
Patent Number:	7961252
Patent Number:	7961256
Patent Number:	7961712
Patent Number:	7961723
Patent Number:	7961747
Patent Number:	7961775
Patent Number:	7961781
Patent Number:	7961792
Patent Number:	7961812
Patent Number:	7961823
Patent Number:	7961882
Patent Number:	7962147
Patent Number:	7962164
Patent Number:	7962783
Patent Number:	7962794
Patent Number:	7963674
Patent Number:	7963705
Patent Number:	7964860

PATENT

REEL: 047145 FRAME: 0720

REEL: 048883 FRAME: 0411

Property Type	Number
Patent Number:	7965133
Patent Number:	7965215
Patent Number:	7965647
Patent Number:	7965691
Patent Number:	7965719
Patent Number:	7965790
Patent Number:	7965994
Patent Number:	7966281
Patent Number:	7966351
Patent Number:	7966353
Patent Number:	7966417
Patent Number:	7966422
Patent Number:	7966431
Patent Number:	7966465
Patent Number:	7966502
Patent Number:	7966504
Patent Number:	7966613
Patent Number:	7968899
Patent Number:	7969001
Patent Number:	7969130
Patent Number:	7969222
Patent Number:	7969241
Patent Number:	7969335
Patent Number:	7969337
Patent Number:	7969353
Patent Number:	7969361
Patent Number:	7969677
Patent Number:	7969704
Patent Number:	7969911
Patent Number:	7970010
Patent Number:	7970045
Patent Number:	7970056
Patent Number:	7970124
Patent Number:	7970262
Patent Number:	7970358
Patent Number:	7970373
Patent Number:	7970374
Patent Number:	7970733

PATENT

REEL: 047126 FRAME: 0721

REEL: 048883 FRAME: 0412

Property Type	Number
Patent Number:	7970908
Patent Number:	7970962
Patent Number:	7971075
Patent Number:	7971092
Patent Number:	7971125
Patent Number:	7973428
Patent Number:	7973567
Patent Number:	7973636
Patent Number:	7973681
Patent Number:	7973702
Patent Number:	7973710
Patent Number:	7973730
Patent Number:	7973818
Patent Number:	7973858
Patent Number:	7974030
Patent Number:	7974035
Patent Number:	7974049
Patent Number:	7974284
Patent Number:	7974298
Patent Number:	7974305
Patent Number:	7974337
Patent Number:	7974369
Patent Number:	7974489
Patent Number:	7974517
Patent Number:	7974532
Patent Number:	7974578
Patent Number:	7974579
Patent Number:	7974587
Patent Number:	7974590
Patent Number:	7974599
Patent Number:	7974628
Patent Number:	7974997
Patent Number:	7975079
Patent Number:	7975104
Patent Number:	7975153
Patent Number:	7975193
Patent Number:	7975203
Patent Number:	7976225

PATENT

REEL: 047147 FRAME: 0722

REEL: 048883 FRAME: 0413

Property Type	Number
Patent Number:	7976226
Patent Number:	7976380
Patent Number:	7976387
Patent Number:	7977623
Patent Number:	7977692
Patent Number:	7977698
Patent Number:	7977799
Patent Number:	7977992
Patent Number:	7978174
Patent Number:	7978222
Patent Number:	7978456
Patent Number:	7978621
Patent Number:	7978729
Patent Number:	7978755
Patent Number:	7978783
Patent Number:	7978789
Patent Number:	7978795
Patent Number:	7978850
Patent Number:	7978915
Patent Number:	7978981
Patent Number:	7979033
Patent Number:	7979042
Patent Number:	7979043
Patent Number:	7979044
Patent Number:	7979573
Patent Number:	7979679
Patent Number:	7982175
Patent Number:	7982294
Patent Number:	7982321
Patent Number:	7982491
Patent Number:	7982516
Patent Number:	7982555
Patent Number:	7982556
Patent Number:	7982671
Patent Number:	7983169
Patent Number:	7983216
Patent Number:	7983270
Patent Number:	7983291

PATENT

REEL: 047196 FRAME: 0723

PATENT

REEL: 048883 FRAME: 0414

Property Type	Number
Patent Number:	7983295
Patent Number:	7983322
Patent Number:	7983323
Patent Number:	7983335
Patent Number:	7983343
Patent Number:	7983355
Patent Number:	7983367
Patent Number:	7983504
Patent Number:	7983569
Patent Number:	7983617
Patent Number:	7983631
Patent Number:	7983632
Patent Number:	7983644
Patent Number:	7983689
Patent Number:	7983720
Patent Number:	7984111
Patent Number:	7984212
Patent Number:	7984216
Patent Number:	7985631
Patent Number:	7986267
Patent Number:	7986428
Patent Number:	7986570
Patent Number:	7986616
Patent Number:	7986622
Patent Number:	7986650
Patent Number:	7986679
Patent Number:	7986704
Patent Number:	7986733
Patent Number:	7986941
Patent Number:	7987048
Patent Number:	7987095
Patent Number:	7987302
Patent Number:	7987309
Patent Number:	7987333
Patent Number:	7987345
Patent Number:	7987347
Patent Number:	7987351
Patent Number:	7987401

PATENT

REEL: 047149 FRAME: 0724

REEL: 048883 FRAME: 0415

Property Type	Number
Patent Number:	7987499
Patent Number:	7989976
Patent Number:	7990216
Patent Number:	7990219
Patent Number:	7990390
Patent Number:	7990414
Patent Number:	7990472
Patent Number:	7990642
Patent Number:	7990758
Patent Number:	7990796
Patent Number:	7990858
Patent Number:	7990949
Patent Number:	7990952
Patent Number:	7990961
Patent Number:	7990968
Patent Number:	7991009
Patent Number:	7991010
Patent Number:	7991049
Patent Number:	7991079
Patent Number:	7991080
Patent Number:	7991090
Patent Number:	7991101
Patent Number:	7991361
Patent Number:	7991375
Patent Number:	7991423
Patent Number:	7991426
Patent Number:	7991430
Patent Number:	7991927
Patent Number:	7991985
Patent Number:	7992174
Patent Number:	7994975
Patent Number:	7995141
Patent Number:	7995411
Patent Number:	7995457
Patent Number:	7995535
Patent Number:	7995537
Patent Number:	7995604
Patent Number:	7995605

PATENT

REEL: 047126 FRAME: 0725

REEL: 048883 FRAME: 0416

Property Type	Number
Patent Number:	7995667
Patent Number:	7995679
Patent Number:	7995687
Patent Number:	7995695
Patent Number:	7995713
Patent Number:	7995743
Patent Number:	7996166
Patent Number:	7996206
Patent Number:	7996236
Patent Number:	7996569
Patent Number:	7996576
Patent Number:	7996664
Patent Number:	7996670
Patent Number:	8000110
Patent Number:	8000223
Patent Number:	8000324
Patent Number:	8000387
Patent Number:	8000402
Patent Number:	8000412
Patent Number:	8000424
Patent Number:	8000469
Patent Number:	8000493
Patent Number:	8000664
Patent Number:	8000746
Patent Number:	8000960
Patent Number:	8001286
Patent Number:	8001333
Patent Number:	8001374
Patent Number:	8001399
Patent Number:	8001417
Patent Number:	8001432
Patent Number:	8001452
Patent Number:	8004312
Patent Number:	8004807
Patent Number:	8004912
Patent Number:	8005084
Patent Number:	8005094
Patent Number:	8005147

PATENT

REEL: 047126 FRAME: 0726

REEL: 048883 FRAME: 0417

Property Type	Number
Patent Number:	8005174
Patent Number:	8005312
Patent Number:	8005344
Patent Number:	8005432
Patent Number:	8005437
Patent Number:	8005444
Patent Number:	8005447
Patent Number:	8005476
Patent Number:	8005503
Patent Number:	8005667
Patent Number:	8005678
Patent Number:	8005682
Patent Number:	8005924
Patent Number:	8006001
Patent Number:	8006065
Patent Number:	8009075
Patent Number:	8009092
Patent Number:	8009231
Patent Number:	8009506
Patent Number:	8009563
Patent Number:	8009587
Patent Number:	8009597
Patent Number:	8009608
Patent Number:	8009695
Patent Number:	8009697
Patent Number:	8009726
Patent Number:	8009734
Patent Number:	8009740
Patent Number:	8009759
Patent Number:	8009785
Patent Number:	8009786
Patent Number:	8009824
Patent Number:	8010040
Patent Number:	8010054
Patent Number:	8010057
Patent Number:	8010059
Patent Number:	8010061
Patent Number:	8010062

PATENT

REEL: 0471 PATENT NAME: 0727

REEL: 048883 FRAME: 0418

Property Type	Number
Patent Number:	8010073
Patent Number:	8010076
Patent Number:	8010078
Patent Number:	8010120
Patent Number:	8010137
Patent Number:	8010149
Patent Number:	8010153
Patent Number:	8010154
Patent Number:	8010350
Patent Number:	8010707
Patent Number:	8010708
Patent Number:	8010735
Patent Number:	8010743
Patent Number:	8010801
Patent Number:	8010882
Patent Number:	8010976
Patent Number:	8013422
Patent Number:	8013552
Patent Number:	8013614
Patent Number:	8013768
Patent Number:	8013895
Patent Number:	8014099
Patent Number:	8014196
Patent Number:	8014267
Patent Number:	8014312
Patent Number:	8014353
Patent Number:	8014392
Patent Number:	8014422
Patent Number:	8014437
Patent Number:	8014438
Patent Number:	8014449
Patent Number:	8014467
Patent Number:	8014469
Patent Number:	8014478
Patent Number:	8014732
Patent Number:	8014740
Patent Number:	8014787
Patent Number:	8014804

PATENT

REEL: 047126 FRAME: 0728

REEL: 048883 FRAME: 0419

Property Type	Number
Patent Number:	8014820
Patent Number:	8014834
Patent Number:	8015000
Patent Number:	8015290
Patent Number:	8015330
Patent Number:	8015376
Patent Number:	8015439
Patent Number:	8018256
Patent Number:	8018303
Patent Number:	8018360
Patent Number:	8018361
Patent Number:	8018363
Patent Number:	8018375
Patent Number:	8018729
Patent Number:	8018751
Patent Number:	8018805
Patent Number:	8018853
Patent Number:	8018907
Patent Number:	8018913
Patent Number:	8018963
Patent Number:	8018971
Patent Number:	8019226
Patent Number:	8019283
Patent Number:	8019309
Patent Number:	8019313
Patent Number:	8019342
Patent Number:	8019379
Patent Number:	8019615
Patent Number:	8019953
Patent Number:	8019998
Patent Number:	8020031
Patent Number:	8020049
Patent Number:	8021927
Patent Number:	8022684
Patent Number:	8022755
Patent Number:	8022766
Patent Number:	8022783
Patent Number:	8022866

PATENT

REEL: 047126 FRAME: 0729

REEL: 048883 FRAME: 0420

Property Type	Number
Patent Number:	8022867
Patent Number:	8022966
Patent Number:	8023041
Patent Number:	8023299
Patent Number:	8023301
Patent Number:	8023348
Patent Number:	8023396
Patent Number:	8023409
Patent Number:	8023413
Patent Number:	8023436
Patent Number:	8023508
Patent Number:	8023554
Patent Number:	8023575
Patent Number:	8023591
Patent Number:	8023601
Patent Number:	8023644
Patent Number:	8023886
Patent Number:	8023893
Patent Number:	8023895
Patent Number:	8023899
Patent Number:	8023907
Patent Number:	8023947
Patent Number:	8024145
Patent Number:	8024192
Patent Number:	8024389
Patent Number:	8024501
Patent Number:	8024528
Patent Number:	8024558
Patent Number:	8024637
Patent Number:	8024640
Patent Number:	8024801
Patent Number:	8026627
Patent Number:	8026635
Patent Number:	8026697
Patent Number:	8026769
Patent Number:	8026980
Patent Number:	8027138
Patent Number:	8027341

PATENT

REEL: 047426 FRAME: 0730

PATENT

REEL: 048883 FRAME: 0421

Property Type	Number
Patent Number:	8027344
Patent Number:	8027376
Patent Number:	8027383
Patent Number:	8027409
Patent Number:	8027410
Patent Number:	8027485
Patent Number:	8027637
Patent Number:	8027641
Patent Number:	8027650
Patent Number:	8027656
Patent Number:	8027665
Patent Number:	8027668
Patent Number:	8027704
Patent Number:	8027707
Patent Number:	8027995
Patent Number:	8028093
Patent Number:	8028154
Patent Number:	8028175
Patent Number:	8028176
Patent Number:	8030795
Patent Number:	8030897
Patent Number:	8031088
Patent Number:	8031121
Patent Number:	8031420
Patent Number:	8031501
Patent Number:	8031503
Patent Number:	8031506
Patent Number:	8031609
Patent Number:	8031651
Patent Number:	8031685
Patent Number:	8031729
Patent Number:	8031734
Patent Number:	8031757
Patent Number:	8031760
Patent Number:	8031766
Patent Number:	8031799
Patent Number:	8031806
Patent Number:	8031808

PATENT

REEL: 047496 FRAME: 0731

PATENT

REEL: 048883 FRAME: 0422

Property Type	Number
Patent Number:	8031952
Patent Number:	8032089
Patent Number:	8032096
Patent Number:	8032104
Patent Number:	8032132
Patent Number:	8032167
Patent Number:	8032182
Patent Number:	8032301
Patent Number:	8032336
Patent Number:	8032360
Patent Number:	8032363
Patent Number:	8032727
Patent Number:	8032761
Patent Number:	8032801
Patent Number:	8032818
Patent Number:	8035074
Patent Number:	8035162
Patent Number:	8035277
Patent Number:	8035317
Patent Number:	8035399
Patent Number:	8035419
Patent Number:	8035445
Patent Number:	8035537
Patent Number:	8035748
Patent Number:	8035751
Patent Number:	8035973
Patent Number:	8036155
Patent Number:	8036183
Patent Number:	8036239
Patent Number:	8036264
Patent Number:	8036271
Patent Number:	8036296
Patent Number:	8036308
Patent Number:	8036314
Patent Number:	8036316
Patent Number:	8036323
Patent Number:	8036423
Patent Number:	8036484

PATENT

REEL: 047126 FRAME: 0732

REEL: 048883 FRAME: 0423

Property Type	Number
Patent Number:	8036500
Patent Number:	8036599
Patent Number:	8036626
Patent Number:	8036639
Patent Number:	8036686
Patent Number:	8036711
Patent Number:	8037224
Patent Number:	8037238
Patent Number:	8037323
Patent Number:	8037324
Patent Number:	8037328
Patent Number:	8037347
Patent Number:	8037351
Patent Number:	8037440
Patent Number:	8037518
Patent Number:	8040020
Patent Number:	8040437
Patent Number:	8040748
Patent Number:	8040788
Patent Number:	8040809
Patent Number:	8040864
Patent Number:	8040943
Patent Number:	8040996
Patent Number:	8041137
Patent Number:	8041160
Patent Number:	8041294
Patent Number:	8041306
Patent Number:	8041333
Patent Number:	8041351
Patent Number:	8041386
Patent Number:	8041394
Patent Number:	8041404
Patent Number:	8041562
Patent Number:	8041757
Patent Number:	8041827
Patent Number:	8044437
Patent Number:	8044747
Patent Number:	8045062

PATENT

REEL: 047426 FRAME: 0733

PATENT

REEL: 048883 FRAME: 0424

Property Type	Number
Patent Number:	8045066
Patent Number:	8045581
Patent Number:	8045618
Patent Number:	8045674
Patent Number:	8045707
Patent Number:	8045716
Patent Number:	8045932
Patent Number:	8046510
Patent Number:	8046568
Patent Number:	8046621
Patent Number:	8046631
Patent Number:	8046669
Patent Number:	8047856
Patent Number:	8048765
Patent Number:	8049278
Patent Number:	8049676
Patent Number:	8049982
Patent Number:	8050173
Patent Number:	8050330
Patent Number:	8050335
Patent Number:	8050412
Patent Number:	8050636
Patent Number:	8050647
Patent Number:	8051050
Patent Number:	8051160
Patent Number:	8051233
Patent Number:	8051463
Patent Number:	8054415
Patent Number:	8054573
Patent Number:	8054856
Patent Number:	8054873
Patent Number:	8054892
Patent Number:	8055207
Patent Number:	8055313
Patent Number:	8055815
Patent Number:	8055895
Patent Number:	8055990
Patent Number:	8058928

PATENT
REEL: 047926 FRAME: 0734
REEL: 048883 FRAME: 0425

Property Type	Number
Patent Number:	8059349
Patent Number:	8059472
Patent Number:	8059537
Patent Number:	8059648
Patent Number:	8059674
Patent Number:	8059706
Patent Number:	8059740
Patent Number:	8060029
Patent Number:	8060050
Patent Number:	8060663
Patent Number:	8060674
Patent Number:	8061017
Patent Number:	8062133
Patent Number:	8063355
Patent Number:	8063706
Patent Number:	8063717
Patent Number:	8063772
Patent Number:	8063916
Patent Number:	8064373
Patent Number:	8064380
Patent Number:	8064442
Patent Number:	8064495
Patent Number:	8064526
Patent Number:	8064826
Patent Number:	8064839
Patent Number:	8064842
Patent Number:	8064860
Patent Number:	8064923
Patent Number:	8064936
Patent Number:	8064952
Patent Number:	8064967
Patent Number:	8065479
Patent Number:	8065558
Patent Number:	8067824
Patent Number:	8067966
Patent Number:	8067981
Patent Number:	8067986
Patent Number:	8067998

PATENT

REEL: 047193 FRAME: 0735

PATENT

REEL: 048883 FRAME: 0426

Property Type	Number
Patent Number:	8068040
Patent Number:	8068140
Patent Number:	8068174
Patent Number:	8068479
Patent Number:	8068539
Patent Number:	8068549
Patent Number:	8068568
Patent Number:	8068570
Patent Number:	8068608
Patent Number:	8068681
Patent Number:	8068697
Patent Number:	8068708
Patent Number:	8068793
Patent Number:	8068805
Patent Number:	8068831
Patent Number:	8068869
Patent Number:	8069037
Patent Number:	8069265
Patent Number:	8069285
Patent Number:	8069291
Patent Number:	8069295
Patent Number:	8069397
Patent Number:	8072096
Patent Number:	8072270
Patent Number:	8072287
Patent Number:	8072886
Patent Number:	8072976
Patent Number:	8073001
Patent Number:	8073080
Patent Number:	8073388
Patent Number:	8073391
Patent Number:	8073397
Patent Number:	8073417
Patent Number:	8073429
Patent Number:	8073497
Patent Number:	8073515
Patent Number:	8074008
Patent Number:	8074132

PATENT

REEL: 047PATENT NAME: 0736

REEL: 048883 FRAME: 0427

Property Type	Number
Patent Number:	8076965
Patent Number:	8076990
Patent Number:	8077060
Patent Number:	8077427
Patent Number:	8077439
Patent Number:	8077617
Patent Number:	8077762
Patent Number:	8077812
Patent Number:	8077819
Patent Number:	8077820
Patent Number:	8077848
Patent Number:	8077992
Patent Number:	8078107
Patent Number:	8078123
Patent Number:	8078194
Patent Number:	8078458
Patent Number:	8078773
Patent Number:	8078981
Patent Number:	8081011
Patent Number:	8081034
Patent Number:	8081104
Patent Number:	8081570
Patent Number:	8081625
Patent Number:	8081656
Patent Number:	8081672
Patent Number:	8081687
Patent Number:	8081714
Patent Number:	8081926
Patent Number:	8081929
Patent Number:	8081932
Patent Number:	8081940
Patent Number:	8081941
Patent Number:	8081947
Patent Number:	8082285
Patent Number:	8082453
Patent Number:	8084999
Patent Number:	8085076
Patent Number:	8085082

PATENT

REEL: 047120 FRAME: 0737

REEL: 048883 FRAME: 0428

Property Type	Number
Patent Number:	8085089
Patent Number:	8085090
Patent Number:	8085173
Patent Number:	8085194
Patent Number:	8085195
Patent Number:	8085199
Patent Number:	8085277
Patent Number:	8085346
Patent Number:	8085568
Patent Number:	8085668
Patent Number:	8085743
Patent Number:	8085806
Patent Number:	8085833
Patent Number:	8085835
Patent Number:	8085855
Patent Number:	8085869
Patent Number:	8085876
Patent Number:	8085877
Patent Number:	8085884
Patent Number:	8085885
Patent Number:	8086111
Patent Number:	8086182
Patent Number:	8086190
Patent Number:	8086192
Patent Number:	8086203
Patent Number:	8086209
Patent Number:	8086212
Patent Number:	8086218
Patent Number:	8086242
Patent Number:	8086243
Patent Number:	8086245
Patent Number:	8086263
Patent Number:	8086264
Patent Number:	8086279
Patent Number:	8086416
Patent Number:	8086571
Patent Number:	8086641
Patent Number:	8086762

PATENT

REEL: 0477 PATENT NAME: 0738

REEL: 048883 FRAME: 0429

Property Type	Number
Patent Number:	8086844
Patent Number:	8086870
Patent Number:	8086928
Patent Number:	8086930
Patent Number:	8088647
Patent Number:	8088694
Patent Number:	8089118
Patent Number:	8089261
Patent Number:	8089315
Patent Number:	8089377
Patent Number:	8089713
Patent Number:	8089739
Patent Number:	8089793
Patent Number:	8089794
Patent Number:	8089821
Patent Number:	8089890
Patent Number:	8089899
Patent Number:	8089922
Patent Number:	8089941
Patent Number:	8089957
Patent Number:	8089984
Patent Number:	8090013
Patent Number:	8090028
Patent Number:	8090043
Patent Number:	8090047
Patent Number:	8090048
Patent Number:	8090049
Patent Number:	8090057
Patent Number:	8090067
Patent Number:	8090122
Patent Number:	8090241
Patent Number:	8090313
Patent Number:	8090314
Patent Number:	8090315
Patent Number:	8090327
Patent Number:	8090328
Patent Number:	8090401
Patent Number:	8090404

PATENT

REEL: 047 PATENT NAME: 0739
REEL: 048883 FRAME: 0430

Property Type	Number
Patent Number:	8090412
Patent Number:	8090536
Patent Number:	8090790
Patent Number:	8090864
Patent Number:	8090879

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SIGNATURE:	/Kelly Ciarmataro/
DATE SIGNED:	10/04/2018

Total Attachments: 1

source=Certificate of Confirmation of Amalgamation - ATIS AT Gen IP#page1.tif



CERTIFICATE OF CONFIRMATION OF AMALGAMATION

Company Name : AVAGO TECHNOLOGIES INTERNATIONAL SALES PTE. LIMITED

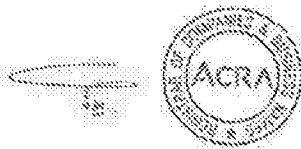
UEN : 200512231E

This is to confirm that with effect from 05/09/2018, the following companies:

AVAGO TECHNOLOGIES INTERNATIONAL SALES PTE. LIMITED (200512231E)

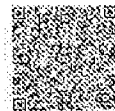
AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD. (200512430D)

amalgamated to become AVAGO TECHNOLOGIES INTERNATIONAL SALES PTE. LIMITED (UEN : 200512231E), a PRIVATE COMPANY LIMITED BY SHARES.



TAN YONG TAT
ASST REGISTRAR OF COMPANIES & BUSINESS NAMES
ACCOUNTING AND CORPORATE REGULATORY AUTHORITY
SINGAPORE

Dated : 06/09/2018
Receipt Number: ACRA180906143096



Authentication No. : C18642751N

PATENT

RECORDED: 10/04/2018
RECORDED: 03/21/2019

REEL: 047120 FRAME: 0741
REEL: 048883 FRAME: 0432