

Apple Inc.

AU 2003256494
CA 2,491,741
CN 200810082232.0
KR 850,810
SG 110332
US 7,292,636
US 7,339,991
US 7,548,584
US 7,551,674

CableTelevision Laboratories, Inc.

US 6,510,554 - Expires April 26, 2018

Cisco Systems Canada Co.

US 6,646,578
US 7,050,504
US 7,227,901
US 7,400,681

Cisco Technology, Inc.

US 7,684,489

Dolby International AB

AT 1,425,922
AT 1,562,384
AT 1,587,216
AT 1,838,107
AT 2,259,596
AT 2,259,597
AT 2,262,113
AT 2,512,136
AT 434,288
AT-E 565,534
AU 2004241535
BE 1,425,922
BE 1,459,449
BE 1,562,384
BE 1,587,216
BE 1,838,107
BE 2,209,319
BE 2,259,596
BE 2,259,597
BE 2,262,113
BE 2,512,136

BG 2,262,113
CA 2,454,626
CA 2,454,867
CA 2,525,937
CA 2,576,161
CA 2,616,751
CA 2,737,864
CA 2,737,888
CA 2,737,889
CA 2,776,992
CA 2,841,701
CA 2,925,139
CA 2,925,141
CA 2801972
CH 2,262,113
CH 2,512,136
CN 02817995.1
CN 02819594.9
CN 03812403.3
CN 100371955
CN 100401780C
CN 100591102
CN 101854552
CN 200480007527.1
CN 200510116499.3
CN 200710087609.7
CN 200710127006.5
CN 200710127007.X
CN 200710127106.8
CN 200710127107.2
CN 200710127110.4
CN 200810176150.2
CN 200810176151.7
CN 200910002829.4
CN 200910002860.8
CN 201010157006.1
CN 201010199014.2
CZ 2,262,113
CZ 2,512,136
DE 60 2004 040 112.9
DE 60 2008 037 270.7
DE 60 2008 044 575.5
DE 602 48 658.0
DE 602004027847
DE 602004038472
DE 60215241.0
DE 60220106.3
DE 60232681.8
DE 60234875
DE 60242057.1
DE 60242422.4

DE 60242835.1
DE 60242837.8
DE 60242906.4
DE 60242928.5
DE 60242929.3
DE 60242994.3
DE 60243675
DE 60244434
DE 603 46 994.9
DE 603 47 183.8
DE 603 47 290.7
DE 60313454.8
DK 1,459,449
DK 2,262,113
DK 2,512,136
EE 2,262,113
ES 1,425,922
ES 1,510,078
ES 1,562,384
ES 1,587,216
ES 1,611,740
ES 1,838,107
ES 2,259,596
ES 2,259,597
ES 2,262,113
ES 2,390,596
ES 2,512,136
ES 2328118
ES 2348075
ES 2525557
ES 2530204
ES 2532326
FI 1,459,449
FI 2,209,319
FI 2,262,113
FI 2,512,136
FR 1,246,131
FR 1,425,922
FR 1,459,449
FR 1,510,078
FR 1,562,384
FR 1,587,216
FR 1,596,604
FR 1,611,740
FR 1,727,373
FR 1,791,369
FR 1,838,107
FR 1,944,977
FR 2,124,453
FR 2,209,319
FR 2,259,596

FR 2,259,597
FR 2,262,113
FR 2,278,813
FR 2,278,814
FR 2,278,815
FR 2,290,989
FR 2,309,757
FR 2,512,135
FR 2,512,136
GB 1,246,131
GB 1,425,922
GB 1,459,449
GB 1,510,078
GB 1,562,384
GB 1,587,216
GB 1,596,604
GB 1,611,740
GB 1,727,373
GB 1,791,369
GB 1,838,107
GB 1,944,977
GB 2,124,453
GB 2,209,319
GB 2,259,596
GB 2,259,597
GB 2,262,113
GB 2,278,813
GB 2,278,814
GB 2,278,815
GB 2,290,989
GB 2,309,757
GB 2,512,136
GR 2,262,113
GR 2,512,136
HK 1,070,223
HK 1,106,376
HK 1,108,786
HK 1,129,014
HK 1,129,015
HK 1,132,119
HK 1,134,615
HK 1,136,430
HK 1,145,413
HK 1,147,374
HK 1,149,663
HK 1,149,664
HK 1,153,596
HK 1070479
HK 1087232
HK 1108785
HK 1111547

HK 1111548
HK 1111549
HU 2,512,136
IE 1,425,922
IE 1,459,449
IE 1,562,384
IE 1,587,216
IE 1,838,107
IE 2,209,319
IE 2,259,596
IE 2,259,597
IE 2,262,113
IE 2,512,136
IN 257332
IN 259767
IT 1,425,922
IT 1,459,449
IT 1,510,078
IT 1,562,384
IT 1,587,216
IT 1,611,740
IT 1,791,369
IT 1,838,107
IT 1,944,977
IT 2,259,596
IT 2,259,597
IT 2,262,113
IT 2,290,989
IT 2,309,757
IT 2,512,136
IT 28470/BE/2012
JP 3,664,626
JP 3,678,365
JP 3,688,248
JP 3,688,283
JP 3,688,288
JP 3,710,464
JP 3,714,944
JP 3,734,492
JP 3,734,494
JP 3,862,725
JP 4,030,558
JP 4,067,558
JP 4,120,989
JP 4,357,427
JP 4,357,543
JP 4,357,590
JP 4,372,019
JP 4,372,197
JP 4,462,914
JP 4,508,627

JP 4,666,411
JP 4,666,413
JP 4,666,414
JP 4,666,415
JP 4,672,065
JP 4,672,074
JP 4,672,077
JP 4,672,078
JP 4,717,137
JP 4,717,138
JP 4,723,022
JP 4,723,023
JP 4,723,024
JP 4,723,025
JP 4,723,026
JP 4,723,027
JP 4,723,483
JP 4,745,325
JP 4,745,425
JP 4,745,433
JP 4,745,434
JP 4,745,435
JP 4,745,436
JP 4,919,804
JP 5,025,289
JP 5,324,563
JP 5,444,047
JP 5,536,811
KR 1,017,260
KR 1,766,479
KR 591,653
KR 612,785
KR 685,264
KR 751,670
KR 754,972
KR 785,588
KR 785,589
KR 811,986
KR 820,132
KR 880,305
KR 987,666
LI 2,262,113
LI 2,512,136
LU 2,262,113
LU 2,512,136
MC 2,262,113
MC 2,512,136
MT 2,512,136
MX 249,051
MX 276,100
MY 135724

MY 145597
MY 154342
NL 1,425,922
NL 1,459,449
NL 1,510,078
NL 1,562,384
NL 1,587,216
NL 1,791,369
NL 1,838,107
NL 1,944,977
NL 2,209,319
NL 2,259,596
NL 2,259,597
NL 2,262,113
NL 2,290,989
NL 2,309,757
NL 2,512,136
PH 1-2005-502051
PL 2,209,319
PL 2,512,136
PT 1,425,922
PT 1,562,384
PT 1,587,216
PT 1,791,369
PT 1,838,107
PT 2,209,319
PT 2,259,596
PT 2,259,597
PT 2,262,113
PT 2,512,136
RO 2,512,136
RU 2377652
SE 1,425,922
SE 1,459,449
SE 1,562,384
SE 1,587,216
SE 1,838,107
SE 2,209,319
SE 2,259,596
SE 2,259,597
SE 2,262,113
SE 2,512,136
SG 116954
SK 2,262,113
SK 2,512,136
TH 35577
TH 41839
TH 53753
TR 1,425,922
TR 1,562,384
TR 1,587,216

TR 1,838,107
TR 2,259,596
TR 2,259,597
TR 2,262,113
TR 2,512,136
TW 241,532
TW I268714
US 6,507,618
US 8,385,409
US 8,401,080
VN 1-0014619
VN 6824
ZA 2005/09231

Dolby Laboratories Licensing Corporation

AT 2,262,114
AT 2,308,239
AU 2002316666
AU 2003247759
AU 2010212510
AU 2011218757
AU 2011244965
AU 2012201353
AU 2012202740
AU 2012244113
AU 2013200690
AU 2013206639
AU 2014204511
AU 2014204513
AU 2015200722
AU 2015200723
AU 2015203602
AU 2015218509
AU 2015218514
AU 2016200044
AU 2016200775
AU 2016204435
BE 2,262,114
BE 2,308,239
BG 2,262,114
BG 2,308,239
BN RE/R/2013/0091
CA 2,406,459
CA 2,490,378
CH 2,262,114
CH 2,308,239
CN 03814629.0
CN 101969569
CN 102100074
CN 102176752

CN 102176753
CN 102227134
CN 102256122
CN 102256123B
CN 102256134B
CN 102256135
CN 102256136
CN 102301715
CN 105357509
CN 105357510
CN 105376549
CN 105407341
CN 105472369
CZ 2,262,114
CZ 2,308,239
DE 60 2009 046 273.3
DE 602 48 175.9
DE 60242915
DK 2,262,114
DK 2,308,239
EE 2,262,114
ES 2,239,943
ES 2,262,114
ES 2,308,239
FI 2,239,943
FI 2,262,114
FR 2,239,943
FR 2,262,114
FR 2,308,239
GB 2,239,943
GB 2,262,114
GB 2,308,239
GR 2,262,114
GR 2,308,239
HK 1148152
HK 1148888
HK 1157548
HK 1157549
HK 1159915
HK 1159917
HK 1159918
HK 1159919
HK 1163989B
HU 2,308,239
IE 2,262,114
IE 2,308,239
IN 243845
IN 288863
IT 2,239,943
IT 2,262,114
IT 2,308,239

JP 5,178,389
JP 5,406,942
JP 5,506,645
JP 5,506,901
JP 5,506,902
JP 5,506,903
JP 5,506,904
JP 5,506,905
JP 5,562,408
KH/GRRP/0006
KR 1,405,019
KR 748,194
LI 2,262,114
LI 2,308,239
LT 2,308,239
LU 2,262,114
MC 2,262,114
MO J/002075
MO J/002154
MX 252716
MY 152630-A
MY 154424-A
MY 154525-A
MY142934
NL 2,239,943
NL 2,262,114
NL 2,308,239
NO 2,308,239
PL 2,308,239
PT 2,262,114
PT 2,308,239
RO 2,308,239
SE 2,239,943
SE 2,262,114
SE 2,308,239
SG 102730
SG 108377
SG 193680
SK 2,239,943
SK 2,262,114
SK 2,308,239
TR 2,239,943
TR 2,262,114
TR 2,308,239
TW I231,711
US 6,816,552
US 7,106,795
US 7,123,655
US 7,130,348
US 7,170,942
US 7,266,150

US 7,319,415
US 7,352,812
US 7,386,048
US 7,613,240
US 7,742,655
US 7,787,542
US 7,894,524
US 7,894,530
US 7,899,113
US 7,907,667
US 8,040,957
US 8,050,323
US 8,111,754
US 8,139,638
US 8,139,639
US 8,139,640
US 8,139,641
US 8,144,774
US 8,149,912
US 8,150,206
US 8,160,142
US 8,213,507
US 8,228,986
US 8,233,538
US 8,249,158
US 8,279,927
US 8,279,929
US 8,290,043
US 8,325,809
US 8,331,450
US 8,379,720
US 8,401,078
US 8,477,851
US 8,488,674
US 8,488,675
US 8,503,529
US 8,526,496
US 8,542,738
US 8,548,047
US 8,559,513
US 8,576,907
US 8,594,188
US 8,615,041
US 8,699,572
US 8,737,466
US 8,737,472
US 8,761,251
US 8,761,257
US 8,798,173
US 8,873,629
US 8,873,632

US 8,891,634
US 8,942,285
US 9,025,670
US 9,078,002
US 9,083,979
US 9,113,165
US 9,124,888
US 9,185,384
US 9,232,232
US 9,247,269
US 9,294,771
US 9,344,730
US 9,374,590
US 9,380,311
US 9,386,321
US 9,407,913
US 9,407,914
US 9,420,311
US 9,473,791
US 9,497,471
US 9,503,759
US 9,549,201
US 9,571,855
US 9,578,334
US 9,578,341
US 9,584,816
US 9,609,327
US 9,628,802
US 9,667,957
US 9,706,217
US 9,712,801
US 9,774,868
US 9,788,012
US 9,794,564
US 9,838,705
US 9,843,785
US Re. 42,745
US Re. 43,091
US Re. 43,360
US Re. 43,567
US Re. 43,628
US Re. 44,138
US Re. 44,234
US Re. 44,235
US Re. 44,285
US Re. 44,319
US Re. 44,497
US Re. 44,891
US Re. 45,082
US Re. 45,250
US Re. 46,370

US Re. 46,482
US Re. 46,491
US Re. 46,500

Electronics and Telecommunications Research Institute

AT-E 651714
BE 1,300,025
CA 2,414,362
CA 2,854,524
CH 1,300,025
CN 01814313.X
CN 200410089708.5
DE 60148585.8
DK 1,300,025
ES 1,300,025
FI 1,300,025
FR 1,300,025
GB 1,300,025
GR 1,300,025
IE 1,300,025
IT 1,300,025
JP 4,988,498
KR 353,851
LI 1,300,025
NL 1,300,025
PT 1,300,025
SE 1,300,025
TR 1,300,025
US 7,388,916
US 7,881,388
US 8,036,275
US 8,036,276
US 8,184,717
US 8,184,718
US 8,184,719
US 8,406,310

Electronics and Telecommunications Research Institute and Korea Advanced Institute of Science and Technology (KAIST)

US 8,184,153

Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.

AT 343,302
AT 352,826
BE 1,467,491
BE 1,487,113
BE 2,123,052
BG 1,467,491

BG 2,123,052
CH 1,467,491
CH 1,487,113
CN 200580035323.3
CN 200680008132.2
CN 200780050109.4
CN 201010193467.4
CN 201010245484.8
CN 201010245510.7
CN 201010245522.x
CN 201010245535.7
CN 201010245555.4
CN 201010245566.2
CN 201010245597.8
CN 201110032577.7
CN 201110032594.0
CN 201110032620.X
CN ZL 201110032608.9
CZ 1,467,491
CZ 1,487,113
CZ 2,123,052
DE 50305419
DE 50306371.1
DE 602007010835.7
DK 1,467,491
DK 1,487,113
EE 2,123,052
ES 1,467,491
ES 1,487,113
ES 2,123,052
FI 1,467,491
FI 1,487,113
FR 1,467,491
FR 1,487,113
FR 2,123,052
GB 1,467,491
GB 1,487,113
GB 2,123,052
GR 1,487,113
GR 2,123,052
GR 3,060,957
HK 1,070,480
HK 1,070,992
HU 1,467,491
HU 1,487,113
HU 2,123,052
IE 1,467,491
IE 1,487,113
IT 1,467,491
IT 1,487,113
IT 2,123,052

JP 4,057,595
JP 4,295,356
JP 4,313,757
JP 4,313,771
JP 5,014,438
KR 729,270
LI 1,467,491
LI 1,487,113
NL 1,467,491
NL 1,487,113
NL 2,123,052
PL 2,123,052
PT 1,467,491
PT 1,487,113
PT 2,123,052
RO 1,467,491
RO 1,487,113
SE 1,467,491
SE 1,487,113
SE 2,123,052
TR 1,467,491
TR 2,123,052
US 7,286,710
US 7,379,608
US 7,496,143
US 7,586,924
US 7,599,435
US 7,684,484
US 7,684,488
US 7,702,013
US 7,760,806
US 8,121,188
US 8,139,611
US 8,155,154
US 8,204,115
US 8,204,116
US 8,204,117
US 8,213,514
US 8,218,628
US 8,218,630
US 8,218,631
US 8,243,788
US 8,249,110
US 8,249,111
US 8,249,112
US 8,254,460
US 8,275,044
US 8,325,806
US 8,335,253
US 8,340,135
US 8,379,672

US 8,379,719
US 8,509,306
US 8,532,186
US 8,565,304
US 8,625,638
US 8,644,344
US 8,654,792
US 8,665,909
US 8,705,573
US 9,362,949
US 9,450,608
US 9,490,837
US 9,490,838
US 9,698,820
US 9,698,821
US 9,698,822
US 9,698,823

Fujitsu Limited

CA 2,439,886
CA 2,591,655
CA 2,591,682
CA 2,591,685
CA 2,779,469
CA 2,779,486
CA 2,895,952
CN 03156610.3
CN 101043630
CN 200510130221.1
CN 200510130222.6
CN 200710103417.0
CN 200710103418.5
CN 200710103419.X
DE 603 49 452.8
DE 603 49 865.5
DE 60336880.8
DE 60339796
DE 60339797
DE 60344923.9
DE 60345266.3
DE 60345267.1
DE 60345269.8
DE 60345305.8
FI 1,406,448
FI 1,835,751
FI 1,835,753
FI 1,835,754
FI 1,835,755
FI 1,835,757
FI 1,835,758

FI 1,835,759
FI 2,293,573
FI 2,293,574
FR 1,406,448
FR 1,835,751
FR 1,835,753
FR 1,835,754
FR 1,835,755
FR 1,835,757
FR 1,835,758
FR 1,835,759
FR 2,293,573
FR 2,293,574
GB 1,406,448
GB 1,835,751
GB 1,835,753
GB 1,835,754
GB 1,835,755
GB 1,835,757
GB 1,835,758
GB 1,835,759
GB 2,293,573
GB 2,293,574
JP 3,791,922
JP 3,946,721
JP 3,946,758
JP 3,946,759
JP 4,142,180
JP 4,184,388
JP 4,184,389
KR 788,567
KR 788,569
KR 788,570
KR 908,955
NL 1,406,448
NL 1,835,751
NL 1,835,753
NL 1,835,754
NL 1,835,755
NL 1,835,757
NL 1,835,758
NL 1,835,759
NL 2,293,573
NL 2,293,574
SE 1,406,448
SE 1,835,751
SE 1,835,753
SE 1,835,754
SE 1,835,755
SE 1,835,757
SE 1,835,758

SE 1,835,759
SE 2,293,573
SE 2,293,574
US 7,272,182
US 7,310,372
US 7,809,062
US 7,826,532
US 7,924,924
US 8,068,542
US 8,184,708
US 8,340,184
US 8,345,759
US 8,428,138
US 8,509,307
US 8,553,780
US 8,599,923
US 8,654,851
US 8,654,856
US 8,660,184
US 8,665,956
US 8,665,957
US 8,976,868
US 9,001,894

GE Video Compression, LLC

AT 1,550,219
AT-E 640,094
AT-E 640,095
AT-E 640,096
AT-E 640,097
AT-E 640,098
BE 1,550,219
BE 2,037,412
BE 2,068,448
BE 2,290,612
BE 2,296,282
BE 2,326,013
BG 1,550,219
CH 1,550,219
CH 2,037,412
CH 2,068,448
CH 2,290,612
CH 2,296,282
CH 2,326,013
CZ 1,550,219
CZ 2,037,412
CZ 2,068,448
CZ 2,290,612
CZ 2,296,282
CZ 2,326,013

DE 50311129.5
DE 50314931.4
DE 50314932.2
DE 50314933.0
DE 50314934.9
DE 50314935.7
DK 1,550,219
DK 2,037,412
DK 2,068,448
DK 2,290,612
DK 2,296,282
DK 2,326,013
ES 1,550,219
ES 2,037,412
ES 2,068,448
ES 2,290,612
ES 2,296,282
ES 2,326,013
FI 1,550,219
FI 2,037,412
FI 2,068,448
FI 2,290,612
FI 2,296,282
FI 2,326,013
FR 1,550,219
FR 2,037,412
FR 2,068,448
FR 2,290,612
FR 2,296,282
FR 2,326,013
GB 1,550,219
GB 2,037,412
GB 2,068,448
GB 2,290,612
GB 2,296,282
GB 2,326,013
HK 1127525
HK 1130372
HK 1154430
HK 1155000
HK 1157948
HU 1,550,219
IE 1,550,219
IE 2,037,412
IE 2,068,448
IE 2,290,612
IE 2,296,282
IE 2,326,013
IT 1,550,219
IT 2,037,412
IT 2,068,448

IT 2,290,612
IT 2,296,282
IT 2,326,013
JP 3,989,485
JP 4,054,345
JP 4,709,821
KR 733,795
LI 1,550,219
LI 2,037,412
LI 2,068,448
LI 2,290,612
LI 2,296,282
LI 2,326,013
LU 1,550,219
LU 2,037,412
LU 2,068,448
LU 2,290,612
LU 2,296,282
LU 2,326,013
NL 1,550,219
NL 2,037,412
NL 2,068,448
NL 2,290,612
NL 2,296,282
NL 2,326,013
PT 1,550,219
PT 2,037,412
PT 2,068,448
PT 2,290,612
PT 2,296,282
PT 2,326,013
RO 1,550,219
RO 2,037,412
RO 2,068,448
RO 2,290,612
RO 2,296,282
RO 2,326,013
SE 1,550,219
SE 2,037,412
SE 2,068,448
SE 2,290,612
SE 2,296,282
SE 2,326,013
SI 1,550,219
SK 1,550,219
SK 2,037,412
SK 2,068,448
SK 2,290,612
SK 2,296,282
SK 2,326,013
TR 1,550,219

TR 2,037,412
TR 2,068,448
TR 2,290,612
TR 2,296,282
TR 2,326,013
US 6,894,628
US 6,900,748
US 6,943,710
US 7,088,271

Godok Kaisha IP Bridge1

AT 1,413,139
AT 1,739,972
AT 1,744,562
AT 1,746,841
AT 1,750,451
AT 1,753,246
AT 1,965,590
AT 1978747
AT 2,268,033
AT 2,268,034
AT 2,293,577
AT 2,320,659
AT 2,752,994
AT 2,765,707
AT 2,824,927
AT 2,824,928
AT 2,903,277
AT 2,903,278
AT 2,928,185
AT 2,938,071
AT 2131593
AT 382242
AT E 590,984
AT-E 566,639
AU 2002347635
AU 2002349735
AU 2002357584
AU 2003227248
AU 2003235171
AU 2003235172
AU 2003236032
AU 2003236033
AU 2003261780
AU 2003261923
AU 2003264543
AU 2003268763
AU 2003275672
AU 2003281135
AU 2004218397

AU 2006203176
AU 2007202509
AU 2007202520
AU 2007234501
AU 2008200669
AU 2008201313
AU 2008201315
AU 2008230068
AU 2008230069
AU 2010200906
AU 2010200907
BE 1,413,139
BE 1,530,374
BE 1,739,972
BE 1,742,483
BE 1,742,484
BE 1,744,562
BE 1,746,841
BE 1,750,451
BE 1,753,246
BE 1,965,590
BE 1978747
BE 2,117,236
BE 2,254,341
BE 2,268,033
BE 2,268,034
BE 2,320,659
BE 2,752,994
BE 2,765,707
BE 2,903,277
BE 2,903,278
BE 2,938,071
BE 2131593
BG 2,254,341
BG 2131593
BR PI0206629-7
BR PI0206777-3
BR PI0206820-6
BR PI0304528-5
CA 2,433,455
CA 2,435,757
CA 2,442,945
CA 2,444,357
CA 2,448,771
CA 2,448,970
CA 2,450,360
CA 2,452,175
CA 2,460,473
CA 2,468,770
CA 2,470,717
CA 2,473,767

CA 2,473,897
CA 2,473,898
CA 2,625,292
CA 2,732,005
CA 2,762,923
CA 2,762,936
CA 2,763,080
CA 2448511
CA 2607755
CA 2608610
CH 1,413,139
CH 1,530,374
CH 1,596,608
CH 1,739,972
CH 1,744,562
CH 1,746,841
CH 1,750,451
CH 1,753,246
CH 1,965,590
CH 1978747
CH 2,117,236
CH 2,268,033
CH 2,268,034
CH 2,320,659
CH 2,752,994
CH 2,765,707
CH 2,824,927
CH 2,824,928
CH 2,903,277
CH 2,903,278
CH 2,928,185
CH 2,938,071
CH 2131593
CN 02804269.7
CN 02804270.0
CN 02813282.3
CN 03800235.3
CN 03800448.8
CN 03800473.9
CN 03800518.2
CN 03801040.2
CN 03801158.1
CN 03801256.1
CN 03801392.4
CN 03802113.7
CN 03802728.3
CN 200380100144.4
CN 200480005818.7
CN 200510114188.3
CN 200610090880.1
CN 200610090883.5

CN 200610107553.2
CN 200610107554.7
CN 200610107555.1
CN 200610126659.7
CN 200610126660.x
CN 200610143685.0
CN 200610143687.X
CN 200610143689.9
CN 200610143690.1
CN 200610153402.0
CN 200610168486.5
CN 200610168488.4
CN 200610168489.9
CN 200710097056.3
CN 200710097057.8
CN 200710097058.2
CN 200710097059.7
CN 200710097060.x
CN 200710097061.4
CN 200710104187.x
CN 200710154282.0
CN 200710154283.5
CN 200710180943.7
CN 200810109473.x
CN 200810165825.3
CN 200810170022.7
CN 200810170028.4
CN 201010143223.5
CN 201010155050.9
CN 201010155070.6
CN 201010155076.3
CN 201010155082.9
CN 3800594.8
CY 2,254,341
CY 2131593
CZ 1,413,139
CZ 1,478,188
CZ 1,739,972
CZ 1,742,483
CZ 1,742,484
CZ 1,744,562
CZ 1,746,841
CZ 2,239,948
CZ 2,254,340
CZ 2,254,341
CZ 2,268,033
CZ 2,268,034
CZ 2,824,927
CZ 2,824,928
CZ 2,928,185
CZ 2,938,071

CZ 2131593
DE 2,268,034
DE 60,342,947
DE 602 48 146.5
DE 602 49 177.0
DE 60230666.3
DE 60241323.0
DE 60246312.2
DE 603 42 685
DE 603 46 841.1
DE 603 47 364.4
DE 603 47 374.1
DE 603 47 726.7
DE 603 47 884.0
DE 603 47 956.1
DE 603 49 730.6
DE 603 50 377.2
DE 603 50 409.4
DE 603 50 603.8
DE 603 50 672.0
DE 603 50 760.3
DE 60302652.4
DE 60311530.6
DE 60311734.1
DE 60312620.0
DE 60317585.6
DE 60318307.7
DE 60318757.9
DE 60318758
DE 60318918.0
DE 60321406.1
DE 60322276.5
DE 60322277.3
DE 60325691.0
DE 60328836
DE 60328837
DE 60328838
DE 60329239
DE 60329639
DE 60329873
DE 60334341
DE 60337305
DE 60338276.2
DE 60338703.9
DE 60339807.3
DE 60341549
DE 60344082.7
DE 60344342.7
DE 60346429
DE 60346608
DK 1,413,139

DK 1,478,188
DK 1,530,374
DK 1,596,608
DK 1,742,483
DK 1,742,484
DK 1,744,562
DK 1,746,841
DK 1978747
DK 2,268,033
DK 2,268,034
DK 2,752,994
DK 2,765,707
DK 2,903,277
DK 2,938,071
DK 2131593
EE 2,239,948
EE 2,254,340
EE 2,254,341
EE 2,824,927
EE 2,824,928
EE 2,928,185
EE 2,938,071
EE 2131593
ES 1,401,213
ES 1,413,139
ES 1,424,856
ES 1,443,772
ES 1,450,565
ES 1,569,459
ES 1,596,608
ES 1,739,972
ES 1,739,973
ES 1,742,481
ES 1,742,483
ES 1,742,484
ES 1,744,562
ES 1,746,841
ES 1,750,451
ES 1,753,246
ES 1,765,019
ES 1,965,590
ES 1978747
ES 2,239,948
ES 2,239,949
ES 2,252,666
ES 2,254,340
ES 2,254,341
ES 2,268,033
ES 2,268,034
ES 2,293,577
ES 2,318,055

ES 2,320,659
ES 2,388,479
ES 2,401,774
ES 2,495,440
ES 2,496,979
ES 2,752,994
ES 2,765,707
ES 2,793,473
ES 2,824,927
ES 2,824,928
ES 2,903,277
ES 2,903,278
ES 2,928,185
ES 2,938,071
ES 2131593
ES 2294768
ES 2297187
ES 2299170
FI 1,413,139
FI 1,478,188
FI 1,596,608
FI 1,742,483
FI 1,742,484
FI 1,744,562
FI 1,746,841
FI 1,965,590
FI 1978747
FI 2,117,236
FI 2,254,341
FI 2,268,033
FI 2,268,034
FI 2,752,994
FI 2,765,707
FI 2131593
FR 1,401,213
FR 1,413,139
FR 1,424,856
FR 1,443,772
FR 1,450,565
FR 1,452,039
FR 1,478,188
FR 1,496,706
FR 1,530,374
FR 1,562,385
FR 1,569,459
FR 1,569,460
FR 1,596,608
FR 1,739,972
FR 1,739,973
FR 1,742,481
FR 1,742,482

FR 1,742,483
FR 1,742,484
FR 1,744,562
FR 1,746,841
FR 1,750,451
FR 1,753,246
FR 1,765,018
FR 1,765,019
FR 1,909,505
FR 1,965,590
FR 1978747
FR 2,117,236
FR 2,169,960
FR 2,239,948
FR 2,239,949
FR 2,249,579
FR 2,254,340
FR 2,254,341
FR 2,268,033
FR 2,268,034
FR 2,293,577
FR 2,320,659
FR 2,752,994
FR 2,765,707
FR 2,793,473
FR 2,824,927
FR 2,824,928
FR 2,903,277
FR 2,903,278
FR 2,928,185
FR 2,938,071
FR 2131593
GB 1,401,213
GB 1,413,139
GB 1,424,856
GB 1,443,772
GB 1,450,565
GB 1,452,039
GB 1,478,188
GB 1,496,706
GB 1,530,374
GB 1,562,385
GB 1,569,459
GB 1,569,460
GB 1,596,608
GB 1,739,972
GB 1,739,973
GB 1,742,481
GB 1,742,482
GB 1,742,483
GB 1,742,484

GB 1,744,562
GB 1,746,841
GB 1,750,451
GB 1,753,246
GB 1,765,018
GB 1,765,019
GB 1,909,505
GB 1,965,590
GB 1978747
GB 2,117,236
GB 2,169,960
GB 2,239,948
GB 2,239,949
GB 2,249,579
GB 2,254,340
GB 2,254,341
GB 2,268,033
GB 2,268,034
GB 2,293,577
GB 2,320,659
GB 2,752,994
GB 2,765,707
GB 2,793,473
GB 2,824,927
GB 2,824,928
GB 2,903,277
GB 2,903,278
GB 2,928,185
GB 2,938,071
GB 2131593
GR 1,413,139
GR 1,530,374
GR 1,744,562
GR 1,746,841
GR 1,965,590
GR 1978747
GR 2,117,236
GR 2,268,033
GR 2,268,034
GR 2,320,659
GR 2,752,994
GR 2,765,707
GR 2,903,277
GR 2,903,278
GR 2,928,185
GR 2131593
HK 1,146,562
HK 1110729
HK 1136730
HK 1146561
HK 1148150

HU 1,596,608
HU 1,739,972
HU 1,742,483
HU 1,742,484
HU 2,928,185
HU E000227
ID 023559
ID 18,408
ID 18,606
ID 19,906
ID 21,414
ID 21057
ID 21611
ID 21759
ID 22105
ID 23371
ID 23470
ID 23898
ID 24490
ID 25766
ID 25885
ID 29392
ID 30461
ID 34074
IE 1,413,139
IE 1,478,188
IE 1,742,483
IE 1,742,484
IE 1,744,562
IE 1,746,841
IE 1978747
IE 2,239,948
IE 2,254,340
IE 2,254,341
IE 2,268,033
IE 2,268,034
IE 2,752,994
IE 2,765,707
IE 2131593
IN 227402
IN 236816
IN 239550
IN 246412
IN 246677
IN 247939
IN 248412
IN 249672
IN 250178
IN 250474
IN 250882
IN 253389

IN 256793
IN 257278
IN 257638
IN 265557
IN 265850
IN 269245
IN 274846
IN 277577
IN 282389
IT 1,401,213
IT 1,413,139
IT 1,424,856
IT 1,443,772
IT 1,450,565
IT 1,496,706
IT 1,530,374
IT 1,562,385
IT 1,569,459
IT 1,596,608
IT 1,739,972
IT 1,739,973
IT 1,742,481
IT 1,742,482
IT 1,742,483
IT 1,742,484
IT 1,744,562
IT 1,746,841
IT 1,750,451
IT 1,753,246
IT 1,765,018
IT 1,765,019
IT 1,965,590
IT 1978747
IT 2,117,236
IT 2,169,960
IT 2,239,948
IT 2,239,949
IT 2,249,579
IT 2,254,340
IT 2,254,341
IT 2,268,033
IT 2,268,034
IT 2,293,577
IT 2,320,659
IT 2,752,994
IT 2,765,707
IT 2,793,473
IT 2,903,277
IT 2,903,278
IT 2,938,071
IT 2131593

IT 26797/BE/2013
IT 27756/BE/2013
IT TO200668156
IT TO2009B068457
JP 3,769,534
JP 3,878,591
JP 3,884,472
JP 3,896,814
JP 4,009,650
JP 4,090,862
JP 4,091,074
JP 4,091,107
JP 4,091,108
JP 4,100,552
JP 4,119,269
JP 4,130,780
JP 4,158,985
JP 4,158,986
JP 4,158,993
JP 4,158,994
JP 4,158,996
JP 4,158,998
JP 4,178,088
JP 4,185,106
JP 4,185,560
JP 4,185,561
JP 4,185,563
JP 4,185,564
JP 4,215,197
JP 4,355,156
JP 4,368,575
JP 4,382,864
JP 4,406,239
JP 4,440,572
JP 4,465,026
JP 4,465,035
JP 4,465,036
JP 4,481,612
JP 4,481,968
JP 4,481,970
JP 4,485,157
JP 4,485,494
JP 4,515,994
JP 4,562,785
JP 4,580,626
JP 4,580,902
JP 4,580,903
JP 4,621,810
JP 4,657,375
JP 4,688,972
JP 4,688,973

JP 4,718,578
JP 4,722,153
JP 4,745,352
JP 4,767,991
JP 4,808,820
JP 4,819,168
JP 4,819,169
JP 4,838,890
JP 4,838,896
JP 4,847,617
JP 4,859,936
JP 5,005,779
JP 5,005,780
JP 5,171,662
JP 5,205,343
JP 5,256,243
JP 5,261,592
JP 5,281,591
JP 5,469,617
JP 5,485,431
JP 5,530,408
JP 5,530,541
JP 5,627,762
JP 5,631,478
JP 5,631,479
JP 5,658,390
JP 5,658,391
JP 5,674,911
JP 5,687,787
KR 0996043
KR 1,000,609
KR 1,000,635
KR 1,001,053
KR 1,001,097
KR 1,001,411
KR 1,001,459
KR 1,001,478
KR 1,001,753
KR 1,011,121
KR 1,011,561
KR 1,019,358
KR 1,022,091
KR 1,030,850
KR 1,030,908
KR 1,038,154
KR 1,039,987
KR 1,040,440
KR 913,633
KR 921,030
KR 921,031
KR 921,034

KR 926,845
KR 929,078
KR 942,344
KR 943,563
KR 943,581
KR 944,552
KR 944,851
KR 944,852
KR 944,853
KR 947,399
KR 950,388
KR 954,244
KR 956,920
KR 956,926
KR 956,927
KR 958,982
KR 961,312
KR 961,313
KR 967,237
KR 969,057
KR 975,486
KR 975,487
KR 976,017
KR 976,672
KR 979,604
KR 980,964
KR 980,987
KR 984,610
KR 984,629
KR 985,236
KR 985,366
KR 985,634
KR 987,541
KR 987,548
KR 990,314
KR 990,829
KR 992,336
KR 993,443
LI 1,413,139
LI 1,530,374
LI 1,596,608
LI 1,739,972
LI 1,744,562
LI 1,746,841
LI 1,750,451
LI 1,753,246
LI 1,965,590
LI 1978747
LI 2,117,236
LI 2,268,033
LI 2,268,034

LI 2,320,659
LI 2,752,994
LI 2,765,707
LI 2,824,927
LI 2,824,928
LI 2,903,277
LI 2,903,278
LI 2,928,185
LI 2,938,071
LI 2131593
MX 238,917
MX 241,604
MX 245,670
MX 247,250
MX 249,459
MX 250,918
MX 252,184
MX 254614
MX 257,815
MX 258074
MX 259,376
MX 261,627
MX 261423
MX 262,830
MX 263,777
MX 263771
MX 264205
MX 272075
MX 275326
MX 277886
MX 295,711
MX 295,712
MX 296,203
MX 297,385
MX 298650
MX 301,291
MX 306,175
MX 306,221
MY 124,128
MY 135,215
MY 135,378
MY 135229
MY 135697
MY 138540-A
MY 139,301
MY 139318-A
MY 140969
MY 141699
MY 144985-A
MY 145262-A
MY 146793

NL 1,401,213
NL 1,413,139
NL 1,424,856
NL 1,450,565
NL 1,452,039
NL 1,478,188
NL 1,496,706
NL 1,530,374
NL 1,562,385
NL 1,569,459
NL 1,569,460
NL 1,596,608
NL 1,739,972
NL 1,739,973
NL 1,742,481
NL 1,742,482
NL 1,742,483
NL 1,742,484
NL 1,744,562
NL 1,746,841
NL 1,750,451
NL 1,753,246
NL 1,765,018
NL 1,765,019
NL 1,909,505
NL 1,965,590
NL 1978747
NL 2,117,236
NL 2,169,960
NL 2,239,948
NL 2,239,949
NL 2,249,579
NL 2,254,340
NL 2,254,341
NL 2,268,033
NL 2,268,034
NL 2,320,659
NL 2,752,994
NL 2,765,707
NL 2,793,473
NL 2,824,927
NL 2,824,928
NL 2,903,277
NL 2,903,278
NL 2,928,185
NL 2,938,071
NL 2131593
PT 1,413,139
PT 1,478,188
PT 1,530,374
PT 1,742,484

PT 1,744,562
PT 1,746,841
PT 1,965,590
PT 1978747
PT 2,117,236
PT 2,239,948
PT 2,254,340
PT 2,254,341
PT 2,268,033
PT 2,268,034
PT 2,320,659
PT 2,752,994
PT 2,765,707
PT 2,903,277
PT 2,903,278
PT 2,938,071
PT 2131593
RO 1,478,188
RO 1,596,608
RO 1,739,972
RO 1,742,484
RO 2,239,948
RO 2,254,340
RO 2,254,341
RO 2,320,659
RO 2,903,278
SE 1,413,139
SE 1,478,188
SE 1,496,706
SE 1,530,374
SE 1,596,608
SE 1,739,972
SE 1,742,483
SE 1,742,484
SE 1,744,562
SE 1,746,841
SE 1,965,590
SE 1978747
SE 2,117,236
SE 2,239,948
SE 2,254,340
SE 2,254,341
SE 2,268,033
SE 2,268,034
SE 2,752,994
SE 2,765,707
SE 2,903,277
SE 2,938,071
SE 2131593
SI 1,478,188
SI 1,742,483

SI 1,742,484
SK 2,239,948
SK 2,254,340
SK 2,254,341
SK 2,824,927
SK 2,824,928
SK 2,928,185
SK 2,938,071
SK 2131593
TH 54428
TR 1,413,139
TR 1,742,484
TR 1,744,562
TR 1,746,841
TR 2,268,033
TR 2,268,034
TR 2,824,927
TR 2,824,928
TR 2,928,185
TR 2,938,071
TR 200600624T4
TR 200800451
TR 2131593
TW 280,781
TW 283,534
TW 283134
TW 290802
TW 314,838
TW 314837
TW 328969
TW 330986
TW 331,877
TW 344794
TW 350699
TW 353182
TW 356595
TW I 262,024
TW I 276,359
TW I 281,352
TW I519134
TW I547147
TW I559741
TW I562602
TW I575938
US 6,954,157
US 6,967,600
US 6,992,605
US 7,095,896
US 7,109,898
US 7,167,591
US 7,184,598

US 7,218,787
US 7,283,071
US 7,305,035
US 7,305,134
US 7,308,143
US 7,308,144
US 7,308,149
US 7,312,731
US 7,372,905
US 7,411,526
US 7,492,952
US 7,505,518
US 7,515,635
US 7,542,510
US 7,664,179
US 7,693,340
US 7,697,770
US 7,715,478
US 7,742,528
US 7,760,803
US 7,782,962
US 7,792,195
US 7,813,568
US 7,817,868
US 7,848,411
US 7,864,838
US 7,881,375
US 7,933,330
US 7,956,774
US 7,970,061
US 7,995,651
US 8,005,146
US 8,009,731
US 8,009,733
US 8,023,753
US 8,085,856
US 8,139,637
US 8,150,180
US 8,184,697
US 8,194,738
US 8,204,112
US 8,204,119
US 8,223,841
US 8,254,468
US 8,265,150
US 8,265,403
US 8,284,841
US 8,311,130
US 8,345,770
US 8,355,588
US 8,526,748

US 8,604,947
US 8,606,027
US 8,660,185
US 8,737,473
US 8,804,838
US 8,861,607
US 8,885,713
US 8,897,367
US 8,941,514
US 8,976,869
US 8,982,965
US 8,989,264
US 9,001,891
US 9,002,124
US 9,020,040
US 9,020,041
US 9,031,133
US 9,054,734
US 9,088,795
US 9,113,149
US 9,118,899
US 9,124,862
US 9,191,666
US 9,204,153
US 9,204,164
US 9,232,220
US 9,241,171
US 9,319,712
US 9,386,320
US 9,398,305
US 9,426,490
US 9,451,276
US 9,456,218
US 9,473,774
US 9,473,775
US 9,473,786
US 9,479,790
US 9,485,516
US 9,497,467
US 9,516,307
US 9,521,415
US 9,554,148
US 9,661,353
US 9,681,136
US 9,686,552
US 9,706,224
US 9,712,841
US 9,723,320
US 9,729,894
US 9,794,567
US 9,813,728

US 9,813,729

Google Inc.

AT 1,449,385

AT 2,268,039

AT 2,268,040

AT 2,271,115

AT 2,285,121

BE 1,449,385

BE 2,268,039

BE 2,268,040

BE 2,271,115

BE 2,285,121

BG 1,449,385

BG 2,268,039

BG 2,285,121

CA 2,230,562 - Expires February 25, 2018

CA 2,468,087

CA 2,738,322

CA 2,738,329

CA 2,738,339

CH 1,449,385

CH 2,268,039

CH 2,268,040

CH 2,271,115

CH 2,285,121

CN 101715128

CZ 1,449,385

CZ 2,268,039

CZ 2,268,040

CZ 2,271,115

CZ 2,285,121

DE 602 47 336.5

DE 602 47 343.8

DE 602 47 362.4

DE 602 47 428.0

DE 602 47 470.1

DK 1,449,385

DK 2,268,039

DK 2,268,040

DK 2,271,115

DK 2,285,121

EE 1,449,385

EE 2,268,039

EE 2,268,040

EE 2,271,115

EE 2,285,121

ES 1,449,385

ES 2,268,039

ES 2,268,040

ES 2,271,115
ES 2,285,121
FI 1,449,385
FI 2,268,039
FI 2,268,040
FI 2,271,115
FI 2,285,121
FR 1,449,385
FR 2,268,039
FR 2,268,040
FR 2,271,115
FR 2,285,121
GB 1,449,385
GB 2,268,039
GB 2,268,040
GB 2,271,115
GB 2,285,121
GR 1,449,385
GR 2,268,039
GR 2,268,040
GR 2,271,115
GR 2,285,121
IE 1,449,385
IE 2,268,039
IE 2,268,040
IE 2,271,115
IE 2,285,121
IT 1,449,385
IT 2,268,039
IT 2,268,040
IT 2,271,115
IT 2,285,121
JP 5,697,614
KR 1,076,506
LI 1,449,385
LI 2,268,039
LI 2,268,040
LI 2,271,115
LI 2,285,121
LU 1,449,385
LU 2,268,039
LU 2,268,040
LU 2,271,115
LU 2,285,121
MC 1,449,385
MC 2,268,039
MC 2,268,040
MC 2,271,115
MC 2,285,121

MX 205,438 - Expires March 6, 2018

MX 283,722

MX 283,723
MX 283,814
NL 1,449,385
NL 2,268,039
NL 2,268,040
NL 2,271,115
NL 2,285,121
PT 1,449,385
PT 2,268,039
PT 2,268,040
PT 2,271,115
PT 2,285,121
SE 1,449,385
SE 2,268,039
SE 2,268,040
SE 2,271,115
SE 2,285,121
SK 1,449,385
SK 2,268,039
SK 2,268,040
SK 2,271,115
SK 2,285,121
TR 1,449,385
TR 2,268,039
TR 2,268,040
TR 2,271,115
TR 2,285,121
US 6,980,596
US 6,987,888
US 7,162,094
US 7,310,374
US 7,310,375
US 7,310,376
US 7,310,377
US 7,421,025
US 7,477,690
US 7,660,353
US 7,769,087
US 7,817,718
US 7,839,931

HP Inc.

US 6,741,746

JVC KENWOOD Corporation

JP 4,241,417

Koninklijke Philips N.V.

CN 100375520
CN 100380983
US 6,909,450
US 7,421,138

Korea Advanced Institute of Science and Technology (KAIST) and Samsung Electronics Co., Ltd.

AU 717,480
KR 301,013
RU 2,154,918
SG 70679

LG Electronics Inc.

AT 1,582,069
AT 1,603,344
AT 1,608,181
AT 1,796,396
AT 1,809,048
AT 1,821,547
AT 2,003,899
AT 2,003,900
AT 2,009,927
AT 2,009,928
AT 2,015,585
AT 2,066,130
AT 2,840,794
AT 3,024,238
AT 3,024,239
AT 3,026,914
AT 3,054,687
AT 3,054,688
AT 3,054,689
AT 354,259
AU 2004217197
AU 2005203096
BE 1,406,453
BE 1,582,069
BE 1,603,344
BE 1,608,181
BE 1,796,396
BE 1,809,048
BE 1,821,547
BE 2,003,899
BE 2,003,900
BE 2,009,927
BE 2,009,928
BE 2,015,585
BE 2,066,130
BE 2,840,794
BE 3,024,238

BE 3,024,239
BE 3,026,914
BE 3,054,687
BE 3,054,688
BE 3,054,689
BG 1,406,453
BG 1,603,344
BG 1,796,396
BG 1,809,048
BG 1,821,547
BG 2,003,899
BG 2,003,900
BG 2,009,927
BG 2,009,928
BG 2,015,585
CA 2,512,671
CA 2,522,835
CH 1,406,453
CH 1,582,069
CH 1,603,344
CH 1,608,181
CH 1,796,396
CH 1,809,048
CH 1,821,547
CH 2,003,899
CH 2,003,900
CH 2,009,927
CH 2,009,928
CH 2,015,585
CH 2,066,130
CH 2,840,794
CH 3,024,238
CH 3,024,239
CH 3,026,914
CH 3,054,687
CH 3,054,688
CH 3,054,689
CN 03101444.5
CN 03101620.0
CN 03101623.5
CN 03101657.X
CN 200410104547.2
CN 200480002888.7
CN 200510048853.3
CN 200510048854.8
CN 200510055870.X
CN 200510055871.4
CN 200510107088.8
CN 200510116128.5
CN 200510116129.X
CN 200610073660.8

CN 200910137915.6
CN 200910137918.X
CY 1,406,453
CY 1,603,344
CY 1,796,396
CY 1,809,048
CY 1,821,547
CY 2,003,899
CY 2,003,900
CY 2,009,927
CY 2,009,928
CY 2,015,585
CZ 1,406,453
CZ 1,582,069
CZ 1,603,344
CZ 1,608,181
CZ 1,796,396
CZ 1,809,048
CZ 1,821,547
CZ 2,003,899
CZ 2,003,900
CZ 2,009,927
CZ 2,009,928
CZ 2,015,585
CZ 2,066,130
CZ 2,840,794
CZ 3,024,238
CZ 3,024,239
CZ 3,026,914
CZ 3,054,687
CZ 3,054,688
CZ 3,054,689
DE 1,603,344
DE 1,796,396
DE 1,821,547
DE 103 62 263
DE 103 62 270
DE 103 62 271
DE 103 62 272
DE 103 62 288
DE 103 62 289
DE 103 62 291
DE 103 62 292
DE 103 62 294
DE 103 62 295
DE 10300528.5
DE 10300529.3
DE 10300533
DE 10300692.3
DE 10362106.7
DE 10362222

DE 10362293
DE 10362305
DE 10362309.4
DE 10362310.8
DE 2,840,794
DE 3,024,238
DE 3,024,239
DE 3,026,914
DE 3,054,687
DE 3,054,688
DE 3,054,689
DE 60 2004 047 829.6
DE 60 2004 047 833.4
DE 60 2004 049 390.2
DE 60311720.1
DE 60334330
DE 60334336
DE 60334337
DE 60334338
DE 60334339
DE 60334505
DK 1,406,453
DK 1,582,069
DK 1,603,344
DK 1,608,181
DK 1,796,396
DK 1,809,048
DK 1,821,547
DK 2,003,899
DK 2,003,900
DK 2,009,927
DK 2,009,928
DK 2,015,585
DK 2,066,130
DK 2,840,794
DK 3,024,238
DK 3,024,239
DK 3,026,914
DK 3,054,687
DK 3,054,688
DK 3,054,689
EE 1,582,069
EE 1,603,344
EE 1,608,181
EE 1,796,396
EE 1,809,048
EE 1,821,547
EE 2,003,899
EE 2,003,900
EE 2,009,927
EE 2,009,928

EE 2,015,585
EE 2,066,130
EE 2,840,794
EE 3,024,238
EE 3,024,239
EE 3,026,914
EE 3,054,687
EE 3,054,688
EE 3,054,689
EE E001131
ES 1,359,767
ES 1,406,453
ES 1,582,069
ES 1,603,344
ES 1,608,181
ES 1,635,577
ES 1,796,396
ES 1,809,048
ES 1,821,547
ES 2,003,899
ES 2,003,900
ES 2,009,927
ES 2,009,928
ES 2,015,585
ES 2,066,130
ES 2,202,987
ES 2,202,988
ES 2,205,001
ES 2,785,063
ES 2,785,064
ES 2,785,065
ES 2,806,648
ES 2,840,794
ES 2385192
ES 3,024,238
ES 3,024,239
ES 3,026,914
ES 3,054,687
ES 3,054,688
ES 3,054,689
FI 1,359,769
FI 1,406,453
FI 1,582,069
FI 1,601,209
FI 1,603,344
FI 1,608,181
FI 1,679,904
FI 1,796,396
FI 1,809,048
FI 1,821,547
FI 1,876,831

FI 1,876,832
FI 1,876,833
FI 1,876,834
FI 1,876,835
FI 1,876,836
FI 1,876,837
FI 1,876,838
FI 2,003,899
FI 2,003,900
FI 2,009,927
FI 2,009,928
FI 2,015,585
FI 2,066,130
FI 2,840,794
FI 3,024,238
FI 3,024,239
FI 3,026,914
FI 3,054,687
FI 3,054,688
FI 3,054,689
FR 1,359,767
FR 1,359,769
FR 1,383,338
FR 1,406,453
FR 1,582,069
FR 1,601,209
FR 1,603,344
FR 1,608,181
FR 1,635,577
FR 1,672,931
FR 1,679,904
FR 1,796,396
FR 1,809,048
FR 1,821,547
FR 1,876,831
FR 1,876,832
FR 1,876,833
FR 1,876,834
FR 1,876,835
FR 1,876,836
FR 1,876,837
FR 1,876,838
FR 2,003,899
FR 2,003,900
FR 2,009,927
FR 2,009,928
FR 2,015,585
FR 2,066,130
FR 2,202,987
FR 2,202,988
FR 2,205,001

FR 2,785,063
FR 2,785,064
FR 2,785,065
FR 2,806,648
FR 2,840,794
FR 2205000
FR 3,024,238
FR 3,024,239
FR 3,026,914
FR 3,054,687
FR 3,054,688
FR 3,054,689
GB 1,582,069
GB 1,608,181
GB 2 391 126
GB 2 416 456
GB 2,003,899
GB 2,003,900
GB 2,009,927
GB 2,009,928
GB 2,015,585
GB 2,066,130
GB 2,387,498
GB 2,388,267
GB 2,393,873
GB 2,405,549
GB 2,406,459
GB 2,406,460
GB 2,408,889
GB 2,412,032
GB 2,415,569
GB 2,416,455
GB 2,422,263
GB 2,427,779
GB 2,430,325
GB 2,436,981
GB 2,840,794
GB 3,024,238
GB 3,024,239
GB 3,026,914
GB 3,054,687
GB 3,054,688
GB 3,054,689
GR 1,582,069
GR 1,603,344
GR 1,608,181
GR 1,796,396
GR 1,809,048
GR 1,821,547
GR 2,003,899
GR 2,003,900

GR 2,009,927
GR 2,009,928
GR 2,015,585
GR 2,066,130
GR 2,840,794
GR 3,024,238
GR 3,024,239
GR 3,026,914
GR 3,054,687
GR 3,054,688
GR 3,054,689
GR 3,060,991
HK 1,073,043
HK 1,073,555
HK 1,073,556
HK 1,073,557
HK 1,079,647
HK 1,083,408
HK 1,085,074
HK 1,086,416
HK 1,086,417
HK 1,091,634
HK 1,093,646
HK 1,095,457
HK 1,095,458
HK 1,095,459
HK 1,108,094
HK 1096518
HU 1,406,453
HU 1,582,069
HU 1,603,344
HU 1,608,181
HU 1,635,577
HU 1,796,396
HU 1,809,048
HU 1,821,547
HU 2,003,899
HU 2,003,900
HU 2,009,927
HU 2,009,928
HU 2,015,585
HU 2,066,130
HU 2,202,987
HU 2,202,988
HU 2,205,001
HU 2,785,063
HU 2,785,064
HU 2,785,065
HU 2,806,648
HU 2,840,794
HU 2205000

HU 3,024,238
HU 3,024,239
HU 3,026,914
HU 3,054,687
HU 3,054,688
HU 3,054,689
HU E002547
ID P0023393
ID P0026920
IE 1,406,453
IE 1,603,344
IE 1,796,396
IE 1,809,048
IE 1,821,547
IE 2,003,899
IE 2,003,900
IE 2,009,927
IE 2,009,928
IE 2,015,585
IE 2,840,794
IE 3,024,238
IE 3,024,239
IE 3,026,914
IE 3,054,687
IE 3,054,688
IE 3,054,689
IN 208,932
IN 236,121
IT 1,359,767
IT 1,359,769
IT 1,406,453
IT 1,582,069
IT 1,601,209
IT 1,603,344
IT 1,608,181
IT 1,635,577
IT 1,679,904
IT 1,796,396
IT 1,809,048
IT 1,821,547
IT 1,876,831
IT 1,876,832
IT 1,876,833
IT 1,876,834
IT 1,876,835
IT 1,876,837
IT 1,876,838
IT 2,003,899
IT 2,003,900
IT 2,009,927
IT 2,009,928

IT 2,015,585
IT 2,066,130
IT 2,202,987
IT 2,202,988
IT 2,205,001
IT 2,785,063
IT 2,785,064
IT 2,785,065
IT 2,806,648
IT 2,840,794
IT 2205000
IT 3,024,238
IT 3,024,239
IT 3,026,914
IT 3,054,687
IT 3,054,688
IT 3,054,689
IT 70651/BE/2012
JP 3,958,690
JP 4,020,789
JP 4,216,852
JP 4,435,480
JP 4,495,087
JP 4,567,551
JP 4,567,669
JP 4,625,100
JP 4,625,101
JP 4,625,102
JP 4,625,103
JP 4,625,104
JP 4,625,131
JP 4,625,132
JP 4,709,241
JP 4,709,242
JP 4,709,291
JP 4,709,292
JP 4,763,739
JP 4,796,176
JP 4,865,753
JP 4,865,754
JP 4,865,755
JP 4,865,756
KR 491,530
KR 494,828
KR 494,829
KR 494,830
KR 494,831
KR 505,319
KR 505,320
KR 506,864
KR 506,865

KR 506,866
KR 507,917
KR 508,798
KR 508,799
KR 508,800
KR 523,551
KR 525,785
KR 602,149
KR 619,716
KR 626,234
KR 626,235
KR 640,937
KR 655,546
KR 674,027
KR 687,845
KR 693,669
KR 693,670
KR 693,671
KR 721,022
KR 748,512
KR 850,947
KR 857,383
KR 857,384
KR 857,385
KR 864,790
KR 864,791
KR 865,034
KR 865,039
KR 881,554
KR 881,555
KR 881,556
KR 881,557
KR 881,558
KR 881,560
KR 881,563
KR 881,565
KR 881,566
KR 881,567
KR 881,568
KR 881,569
KR 881,570
KR 881,571
KR 883,025
KR 886,192
KR 890,504
KR 890,505
KR 890,506
KR 890,507
KR 890,508
KR 890,509
KR 890,510

KR 890,511
KR 890,512
KR 890,513
KR 890,514
KR 890,515
KR 890,516
KR 890,518
KR 901,642
KR 901,643
KR 907,173
KR 907,174
KR 937,553
KR 937,554
KR 943,627
KR 985,240
KR 985,263
KR 985,268
KR 985,340
KR 985,379
KR 991,568
KR 991,618
KR 991,624
LI 1,406,453
LI 1,582,069
LI 1,603,344
LI 1,608,181
LI 1,796,396
LI 1,809,048
LI 1,821,547
LI 2,003,899
LI 2,003,900
LI 2,009,927
LI 2,009,928
LI 2,015,585
LI 2,066,130
LI 2,840,794
LI 3,024,238
LI 3,024,239
LI 3,026,914
LI 3,054,687
LI 3,054,688
LI 3,054,689
LU 1,406,453
LU 1,582,069
LU 1,603,344
LU 1,608,181
LU 1,796,396
LU 1,809,048
LU 1,821,547
LU 2,003,899
LU 2,003,900

LU 2,009,927
LU 2,009,928
LU 2,015,585
LU 2,066,130
LU 2,840,794
LU 3,024,238
LU 3,024,239
LU 3,026,914
LU 3,054,687
LU 3,054,688
LU 3,054,689
MC 1,406,453
MC 1,603,344
MC 1,796,396
MC 1,809,048
MC 1,821,547
MC 2,003,899
MC 2,003,900
MC 2,009,927
MC 2,009,928
MC 2,015,585
MC 2,840,794
MC 3,024,238
MC 3,024,239
MC 3,026,914
MC 3,054,687
MC 3,054,688
MC 3,054,689
MX 258,058
MX 262,980
NL 1,022,331
NL 1,022,332
NL 1,022,333
NL 1,029,485
NL 1,029,486
NL 1,406,453
NL 1,582,069
NL 1,603,344
NL 1,608,181
NL 1,796,396
NL 1,809,048
NL 1,821,547
NL 1028855
NL 1028856
NL 1029057
NL 2,003,899
NL 2,003,900
NL 2,009,927
NL 2,009,928
NL 2,015,585
NL 2,066,130

NL 2,840,794
NL 3,024,238
NL 3,024,239
NL 3,026,914
NL 3,054,687
NL 3,054,688
NL 3,054,689
PL 1,582,069
PL 1,608,181
PL 2,066,130
PL 2,840,794
PL 3,024,238
PL 3,024,239
PL 3,026,914
PL 3,054,687
PL 3,054,688
PL 3,054,689
PT 1,406,453
PT 1,582,069
PT 1,603,344
PT 1,608,181
PT 1,796,396
PT 1,809,048
PT 1,821,547
PT 2,003,899
PT 2,003,900
PT 2,009,927
PT 2,009,928
PT 2,015,585
PT 2,066,130
PT 2,840,794
PT 3,024,238
PT 3,024,239
PT 3,026,914
PT 3,054,687
PT 3,054,688
PT 3,054,689
RO 2,840,794
RO 3,024,238
RO 3,024,239
RO 3,026,914
RO 3,054,687
RO 3,054,688
RO 3,054,689
RU 2,264,049
RU 2,273,113
RU 2,282,947
RU 2,282,948
RU 2,287,908
RU 2,297,109
RU 2,319,317

RU 2,319,318
RU 2,326,506
RU 2,328,090
RU 2,333,616
RU 2,335,861
RU 2,338,332
SE 1,359,769
SE 1,406,453
SE 1,582,069
SE 1,601,209
SE 1,603,344
SE 1,608,181
SE 1,679,904
SE 1,796,396
SE 1,809,048
SE 1,821,547
SE 1,876,831
SE 1,876,832
SE 1,876,833
SE 1,876,834
SE 1,876,835
SE 1,876,836
SE 1,876,837
SE 1,876,838
SE 2,003,899
SE 2,003,900
SE 2,009,927
SE 2,009,928
SE 2,015,585
SE 2,066,130
SE 2,840,794
SE 3,024,238
SE 3,024,239
SE 3,026,914
SE 3,054,687
SE 3,054,688
SE 3,054,689
SG 113,888
SG 167,659
SI 1,406,453
SI 1,603,344
SI 1,796,396
SI 1,809,048
SI 1,821,547
SI 2,003,899
SI 2,003,900
SI 2,009,927
SI 2,009,928
SI 2,015,585
SK 1,406,453
SK 1,603,344

SK 1,796,396
SK 1,809,048
SK 1,821,547
SK 2,003,899
SK 2,003,900
SK 2,009,927
SK 2,009,928
SK 2,015,585
SK 2,840,794
SK 3,024,238
SK 3,024,239
SK 3,026,914
SK 3,054,687
SK 3,054,688
SK 3,054,689
TR 1,406,453
TR 1,582,069
TR 1,603,344
TR 1,608,181
TR 1,796,396
TR 1,809,048
TR 1,821,547
TR 2,003,899
TR 2,003,900
TR 2,009,927
TR 2,009,928
TR 2,015,585
TR 2,066,130
TR 2,840,794
TR 3,024,238
TR 3,024,239
TR 3,026,914
TR 3,054,687
TR 3,054,688
TR 3,054,689
TW 221,076
TW 229,825
TW I 259,412
TW I 280,806
US 6,912,351
US 7,233,621
US 7,403,663
US 7,424,159
US 7,433,525
US 7,437,015
US 7,440,627
US 7,447,367
US 7,463,776
US 7,486,832
US 7,558,321
US 7,570,691

US 7,577,303
US 7,577,304
US 7,580,583
US 7,587,090
US 7,606,307
US 7,613,241
US 7,620,110
US 7,627,035
US 7,634,007
US 7,634,010
US 7,643,556
US 7,643,557
US 7,680,347
US 7,706,451
US 7,711,053
US 7,711,054
US 7,835,442
US 7,835,443
US 7,835,444
US 7,835,445
US 7,835,446
US 7,835,447
US 7,835,448
US 7,835,449
US 7,835,450
US 7,835,451
US 7,839,934
US 7,839,935
US 7,843,999
US 7,899,116
US 7,916,786
US 7,916,787
US 7,920,625
US 8,130,842
US 8,149,919
US 8,149,921
US 8,170,114
US 8,179,975
US 8,208,546
US 8,223,850
US 8,228,977
US 8,228,978
US 8,228,996
US 8,229,005
US 8,233,528
US 8,233,533
US 8,233,546
US 8,233,550
US 8,238,417
US 8,238,418
US 8,238,422

US 8,238,430
US 8,238,447
US 8,238,448
US 8,238,449
US 8,243,786
US 8,243,791
US 8,243,792
US 8,243,793
US 8,243,794
US 8,243,795
US 8,243,799
US 8,243,800
US 8,243,817
US 8,243,819
US 8,243,827
US 8,243,828
US 8,243,829
US 8,243,830
US 8,249,148
US 8,249,149
US 8,249,156
US 8,249,157
US 8,249,162
US 8,249,163
US 8,249,165
US 8,249,172
US 8,249,173
US 8,249,174
US 8,254,452
US 8,335,263
US 8,345,757
US 8,345,758
US 8,351,503
US 8,351,504
US 8,351,505
US 8,351,506
US 8,351,507
US 8,363,723
US 8,385,417
US 8,396,128
US 8,411,748
US 8,416,853
US 8,416,854
US 8,422,556
US 8,428,134
US 8,432,969
US 8,463,058
US 8,467,620
US 8,467,621
US 8,467,622
US 8,472,738

US 8,509,550
US 8,548,264
US 8,565,305
US 8,565,306
US 8,565,544
US 8,582,651
US 8,630,348
US 8,630,349
US 8,634,468
US 8,634,666
US 8,639,048
US 8,644,630
US 8,649,622
US 8,655,089
US 8,743,960
US 8,792,551
US 8,798,156
US 8,811,489
US 8,848,796
US Re. 40,177¹
US Re. 40,178
US Re. 40,179
US Re. 40,180
US Re. 41,089
US Re. 41,385
US Re. 41,386
US Re. 41,387
US Re. 41,400
US Re. 41,403
US Re. 41,405
US Re. 41,406
US Re. 41,419
US Re. 41,420
US Re. 41,421
US Re. 41,422
US Re. 41,423
US Re. 41,436
US Re. 41,446
US Re. 41,459
US Re. 41,907
US Re. 42,677
US Re. 42,716
US Re. 42,747
US Re. 43,709
US Re. 45,859
VN 6,782
VN 6,783

Maxell, Ltd.

CN 03805041.2

CN 200710092132.1
CN 200710092133.6
CN 200710092134.0
JP 4,363,326
JP 4,363,484
JP 4,542,447
JP 4,895,995
JP 5,010,709
JP 5,017,086
JP 5,017,087
JP 5,017,464
JP 5,236,088
JP 5,470,365
JP 5,470,494
JP 5,470,495
JP 5,470,496
JP 5,547,171
JP 5,865,966
JP 5,868,909
JP 5,913,474
JP 6,096,871
JP 6,117,302
JP 6,222,756
US 7,936,822
US 7,936,823
US 7,970,058
US 8,036,272
US 8,320,459
US 8,325,816
US 8,340,190
US 8,571,107
US 8,571,108
US 8,837,594
US 8,923,387
US 9,118,924
US 9,270,998
US 9,277,225
US 9,277,226
US 9,319,687
US 9,414,082
US 9,414,083
US 9,414,084
US 9,432,681

Microsoft Corporation

AT 1,135,934
AT 1,753,244
AT 1,853,069
AU 2003204477
BE 1,135,934

BE 1,753,244
BE 1,853,069
CH 1,135,934
CH 1,753,244
CH 1,853,069
CN 02143205.8
CN 02825191.1
CN 03124169.7
CN 03141275.0
CN 03811662.6
CN 100394447
CN 100459712
CN 100461858
CN 100463522
CN 200610079930.6
CN 200610141384.4
DE 60310368.5
DE 60311231.5
DE 60332175.5
DE 69937462.6
DE 69941964.6
DK 1,135,934
DK 1,753,244
DK 1,853,069
ES 1,135,934
ES 1,853,069
ES 2341357
FI 1,135,934
FI 1,753,244
FI 1,853,069
FR 1,135,934
FR 1,468,566
FR 1,468,567
FR 1,753,244
FR 1,853,069
GB 1,135,934
GB 1,468,566
GB 1,468,567
GB 1,753,244
GB 1,853,069
GR 1,753,244
HK 1,069,700
HK 1,069,701
HK 1,103,199
HK 1115256
IE 1,753,244
IT 1,135,934
IT 1,468,566
IT 1,468,567
IT 1,753,244
IT 1,853,069

JP 3,964,765
JP 3,964,925
JP 4,102,841
JP 4,159,400
JP 4,199,973
JP 4,448,334
JP 4,489,794
JP 4,503,294
JP 4,522,658
JP 4,558,827
JP 4,560,028
JP 4,560,033
JP 4,610,195
JP 4,625,411
JP 4,662,697
JP 4,690,635
JP 4,700,762
JP 4,703,114
JP 4,733,341
JP 4,918,119
KR 578,432
KR 839,308
KR 839,309
KR 839,311
KR 884,134
KR 895,932
KR 925,968
KR 939,855
KR 947,162
KR 958,499
KR 965,703
KR 999,311
LI 1,135,934
LI 1,753,244
LI 1,853,069
MX 250244
NL 1,135,934
NL 1,753,244
NL 1,853,069
PT 1,135,934
PT 1,753,244
PT 1,853,069
RU 2310231
SE 1,135,934
SE 1,753,244
SE 1,853,069
TR 1,753,244
TW I 221,388
TW I310137
US 6,563,953
US 6,735,345

US 6,882,685
US 6,912,584
US 7,024,097
US 7,106,797
US 7,116,830
US 7,120,197
US 7,142,775
US 7,149,247
US 7,162,091
US 7,167,633
US 7,171,107
US 7,181,072
US 7,242,437
US 7,248,740
US 7,248,779
US 7,263,232
US 7,266,149
US 7,271,849
US 7,274,407
US 7,280,700
US 7,286,189
US 7,289,673
US 7,379,607
US 7,505,485
US 7,577,305
US 7,593,466
US 7,609,767
US 7,633,551
US 7,646,810
US 7,646,816
US 7,839,895
US 7,839,928
US 7,881,371
US 8,265,148
US 8,269,891

Mitsubishi Electric Corporation

CA 2,554,143
CA 2,632,408
CA 2,685,312
CA 2,686,438
CA 2,686,449
CA 2,756,577
CA 2,756,676
CA 2,807,566
CA 2,809,277
CN 03800516.6
CN 200610099715.2
CN 200710091701.0

CN 200810086603.2 - Expires March 6, 2018

CN 200910174094.3
CN 200910203523.5
CN 200910203525.4
CN 201010129742.6
CN 201010143855.1
DE 698 43 334.3
DE 698 43 337.8
FI 2,187,641
FI 2,306,723
FR 2,187,641
FR 2,306,723
GB 2,187,641
GB 2,306,723
HK 1,140,324
HK 1,140,347
HK 1,144,632
HK 1,151,915
HK 1125523 - Expires March 6, 2018
JP 3,807,342
JP 4,211,780
JP 4,211,873
JP 4,388,771
JP 4,514,734 - Expires February 25, 2018
JP 4,514,818 - Expires February 25, 2018
JP 4,514,819 - Expires February 25, 2018
JP 4,708,263 - Expires March 6, 2018
JP 4,828,629
JP 4,828,630
JP 5,138,086 - Expires February 25, 2018
KR 740,381
MX 279,337 - Expires March 6, 2018
MX 316,879 - Expires March 6, 2018
NL 2,187,641
NL 2,306,723
SE 2,187,641
SE 2,306,723
SG 101,613
SG 147,308
SG 158,846
SG 158847
SG 177,782
SG 186521
SG 187,281
SG 187,282
SG 190,454
TW I 222,834
US 7,095,344
US 7,388,526
US 7,408,488
US 7,518,537
US 7,859,438

US 7,970,217
US 7,994,951
US 8,188,895
US 8,203,470
US 8,354,946
US 8,553,772
US 8,604,950
US 8,824,561 - Expires March 5, 2018
US Re. 41,729

NEC Corporation

CN ZL200710169295.5
CN ZL200910206099.X
DE 603 49 766.7
FR 1,499,134
GB 1,499,134
JP 4,102,973

Nippon Telegraph and Telephone Corporation

JP 3,866,628
US 6,934,331

NTT DOCOMO, INC.

AT 2,268,035
AT 2,271,114
BE 1,408,698
BE 1,504,408
BE 1,540,962
BE 2,268,035
BE 2,271,114
CH 1,504,408
CH 1,540,962
CH 2,268,035
CN 105406873
CN 200310100660.9
CN 200310100758.4
CN 200310100762.0
CN ZL03819520.8
CZ 2,268,035
CZ 2,271,114
DE 60,307,396
DE 603 47 079.3
DE 603 48 188.4
DE 603 48 936.2
DE 603 49 302.5
DE 603 49 864.7
DE 603 50 172.9
DE 60325979.9

DE 60332991.8
DK 1,504,408
DK 1,540,962
DK 2,268,035
DK 2,271,114
EE 1,408,698
EE 1,504,408
EE 1,540,962
EE 2,268,035
EE 2,268,036
EE 2,271,114
ES 1,408,698
ES 1,504,408
ES 1,540,962
ES 2,268,035
ES 2,268,036
ES 2,271,114
ES 2,321,288
ES 2,347,228
FI 1,434,444
FI 1,504,408
FI 1,540,962
FI 1,543,476
FI 2,268,035
FI 2,268,036
FI 2,271,114
FR 1,408,698
FR 1,434,444
FR 1,504,408
FR 1,540,962
FR 1,543,476
FR 2,268,035
FR 2,268,036
FR 2,271,114
GB 1,408,695
GB 1,408,698
GB 1,434,444
GB 1,504,408
GB 1,540,962
GB 1,543,476
GB 2,268,035
GB 2,268,036
GB 2,271,114
GR 1,504,408
GR 1,540,962
GR 2,268,035
GR 2,271,114
IE 1,504,408
IE 2,268,035
IE 2,271,114
IT 1,408,698

IT 1,434,444
IT 1,504,408
IT 1,540,962
IT 2,268,035
IT 2,268,036
IT 2,271,114
JP 3,491,001
JP 3,513,148
JP 3,534,742
JP 3,679,083
JP 3,842,803
JP 4,252,532
JP 4,391,425
JP 4,722,990
JP 4,871,402
JP 5,015,285
JP 5,122,677
JP 5,138,805
KR 583,552
KR 603,175
KR 701,810
KR 762,155
LI 1,504,408
LI 1,540,962
LI 2,268,035
LU 2,268,035
MC 1,504,408
MC 2,268,035
MC 2,271,114
NL 1,504,408
NL 2,268,035
NL 2,271,114
PT 1,408,698
PT 1,504,408
PT 1,540,962
PT 2,268,035
PT 2,271,114
SE 1,408,698
SE 1,434,444
SE 1,504,408
SE 1,540,962
SE 1,543,476
SE 2,268,035
SE 2,268,036
SE 2,271,114
TR 1,408,698
TR 1,504,408
TR 1,540,962
TR 2,268,035
TR 2,268,036
TR 2,271,114

TW I 225,360
TW I 232,682
TW I 244,856
US 6,825,782
US 6,850,175
US 6,967,601
US 7,183,951
US 7,190,289
US 7,298,303
US 7,324,593
US 7,346,216
US 7,596,178
US 7,760,950
US 7,813,574
US 7,822,283
US 7,916,959
US 8,036,472
US 8,326,057
US 8,422,808
US 8,422,809
US 8,842,728
US 9,577,667
US 9,686,563
US 9,826,228

Panasonic Corporation

AT 1,406,451
AT 1,439,713
AT 1,445,960
AT 1406450
AT 2,249,575
AT 2,249,576
AT 2,271,110
AT 2,271,111
AT 2,273,794
AT 2,273,795
AT 2,293,581
AT 2,804,325
AT 2271107
AT 2271108
AT 2271109
AT 2391019
AT 2765708
AT 3,051,814
AT 3,054,679
AT 3,122,046
AT 413,067
AT E 577,492
AT E 586,625
AT-E 602,674

AT-E 602,675
AT-E 602,676
AT-E 602,677
AT-E 602,679
AT-E 609,216
AU 2002343215
AU 2002344460
AU 2003201906
AU 2003211717
AU 2003221378
AU 2003231356
AU 2003234762
AU 2003281129
AU 2005204229
AU 2008203058
BE 1,387,585
BE 1,439,713
BE 1,445,869
BE 1,445,960
BE 1,742,479
BE 1,742,480
BE 1406450
BE 2,249,570
BE 2,249,573
BE 2,249,574
BE 2,249,575
BE 2,249,576
BE 2,249,577
BE 2,249,578
BE 2,271,110
BE 2,271,111
BE 2,273,793
BE 2,273,794
BE 2,273,795
BE 2,278,816
BE 2,293,581
BE 2271107
BE 2271108
BE 2271109
BE 2391019
BE 2765708
BE 3,051,814
BE 3,054,679
BE 3,122,046
BG 1,439,713
BG 1,445,869
BG 1406450
BG 2,249,570
BG 2,249,573
BG 2,249,576
BG 2,249,578

BG 2,273,794
BG 2,293,581
BG 2271107
BG 3,051,814
BR PI0303661-8
BR PI0304534-0
BR PI9804752-3 B1
BR PI9805978-5 B1
CA 2,426,780
CA 2,428,081
CA 2,432,453
CA 2,438,295
CA 2,443,848
CA 2,447,840
CA 2,450,309
CA 2,451,568
CA 2,456,377
CA 2,460,471
CA 2,513,537
CA 2,582,664
CA 2,582,665
CA 2,762,023
CA 2,762,054
CA 2,762,075
CA 2,762,149
CH 1,439,713
CH 1,445,869
CH 1,445,960
CH 1,742,479
CH 1,742,480
CH 1406450
CH 2,249,570
CH 2,249,573
CH 2,249,574
CH 2,249,575
CH 2,249,576
CH 2,249,577
CH 2,249,578
CH 2,271,110
CH 2,271,111
CH 2,273,793
CH 2,273,794
CH 2,273,795
CH 2,278,816
CH 2,293,581
CH 2,804,325
CH 2271107
CH 2271108
CH 2271109
CH 2391019
CH 2765708

CH 3,051,814
CH 3,054,679
CH 3,122,046
CN 01118860.X - Expires February 5, 2018
CN 01118861.8 - Expires February 5, 2018
CN 01137469.1
CN 03800055.5
CN 03800330.9
CN 03800471.2
CN 03805346.2
CN 098121454.1
CN 200480004589.7
CN 200510097710.1
CN 200510113597.1
CN 200580003035.X
CN 200580003123.x
CN 200610099798.5
CN 2006101064096.0
CN 200610107546.2
CN 200610107547.7
CN 200610107548.1
CN 200610107549.6
CN 200610121284.5
CN 200610125674.X
CN 200610125675.4
CN 200610125676.9
CN 200610125677.3
CN 200610125678.8
CN 200610125679.2
CN 200610166736.1
CN 200610168437.1
CN 200710199528.6
CN 200810083867.2
CN 200810169236.2
CN 200810169237.7
CN 200810169238.1
CN 200810184664.2
CN 200810184668.0
CN 200810184669.5
CN 200910008156.3
CN 200910140883.5
CN 200910167348.9
CN 200910175504.6
CN 3800792.4
CN 3801021.6
CN 98800434.8 - Expires February 5, 2018
CY 1,445,869
CY 1406450
CY 2,249,570
CY 2,249,573
CY 2,249,576

CY 2,249,578
CY 2,293,581
CY 2271107
CY 3,051,814
CZ 1,387,585
CZ 1,406,451
CZ 1,439,713
CZ 1,445,869
CZ 1,742,480
CZ 1406450
CZ 2,249,570
CZ 2,249,573
CZ 2,249,574
CZ 2,249,575
CZ 2,249,576
CZ 2,249,577
CZ 2,249,578
CZ 2,273,793
CZ 2,273,794
CZ 2,273,795
CZ 2,293,581
CZ 2,804,325
CZ 2271107
CZ 2391019
CZ 2765708
CZ 3,051,814
CZ 3,122,046
DE 2,009,923
DE 2271106
DE 2765708
DE 60 2005 036 185
DE 60 2005 048 313.6
DE 60,342,234
DE 60,342,699
DE 602 48 251.8
DE 602 48 263.1
DE 602 48 368.9
DE 602 49 123.1
DE 602 49 232.7
DE 60203492.2
DE 60214248.2
DE 60234196
DE 603 45 117.9
DE 603 45 118.7
DE 603 48 707.6
DE 603 48 992.3
DE 603 49 098.0
DE 603 49 267.3
DE 603 49 268.1
DE 603 50 428.0
DE 603 50 429.9

DE 603 50 453.1
DE 60310842.3
DE 60324480.7
DE 60329427.8
DE 60335516.1
DE 60341925
DE 60343583
DE 60343585
DE 60343586
DE 60343587
DE 60343588
DE 60343922.5
DE 60346258.8
DE 60346267.7
DE 60346268.5
DE 60346409.2
DE 69805036.3
DE 69810971
DE 69812190.2

DE 69813635.7 - Expires February 5, 2018

DE 69822751.4
DK 1,387,585
DK 1,406,451
DK 1,439,713
DK 1,445,869
DK 1,445,960
DK 1,742,479
DK 1406450
DK 2,249,570
DK 2,249,573
DK 2,249,574
DK 2,249,575
DK 2,249,576
DK 2,249,577
DK 2,249,578
DK 2,271,110
DK 2,271,111
DK 2,273,793
DK 2,273,794
DK 2,273,795
DK 2,278,816
DK 2,293,581
DK 2271107
DK 2271108
DK 2271109
DK 2391019
DK 2765708
DK 3,051,814
DK 3,054,679
EE 1,445,869
EE 1406450

EE 2,249,570
EE 2,249,576
EE 2,249,578
EE 2,293,581
EE 2,804,325
EE 2271107
EE 3,051,814
EE 3,054,679
EE 3,122,046
EE E007,924
ES 1,117,258
ES 1,406,451
ES 1,422,944
ES 1,439,713
ES 1,445,960
ES 1,515,567
ES 1,742,479
ES 1406450
ES 1411729
ES 2,009,923
ES 2,238,593
ES 2,249,575
ES 2,249,576
ES 2,271,110
ES 2,271,111
ES 2,273,794
ES 2,273,795
ES 2,293,581
ES 2,317,444
ES 2,384,002
ES 2,392,437
ES 2,392,513
ES 2,399,422
ES 2,408,013
ES 2,408,214
ES 2,408,241
ES 2,408,245
ES 2,410,533
ES 2,420,583
ES 2,804,325
ES 2188572

ES 2195965 - Expires February 5, 2018

ES 2271105
ES 2271106
ES 2271107
ES 2271108
ES 2271109
ES 2391019
ES 2765708
ES 3,051,814
ES 3,054,679

ES 3,059,952
ES 3,122,046
ES 914,008
FI 1,387,585
FI 1,406,451
FI 1,439,713
FI 1,445,869
FI 1,445,960
FI 1,742,480
FI 1406450
FI 2,249,570
FI 2,249,573
FI 2,249,574
FI 2,249,575
FI 2,249,576
FI 2,249,577
FI 2,249,578
FI 2,271,110
FI 2,271,111
FI 2,273,793
FI 2,273,794
FI 2,273,795
FI 2,278,816
FI 2,293,581
FI 2271107
FI 2271108
FI 2271109
FI 2391019
FI 2765708
FI 3,051,814
FI 3,054,679
FR 0909099

FR 1,113,673 - Expires February 5, 2018

FR 1,117,258
FR 1,117,259
FR 1,387,585
FR 1,406,451
FR 1,422,944
FR 1,439,713
FR 1,445,869
FR 1,445,960
FR 1,515,567
FR 1,709,801
FR 1,742,479
FR 1,742,480
FR 1406450
FR 1411729
FR 2,009,923
FR 2,249,570
FR 2,249,573
FR 2,249,574

FR 2,249,575
FR 2,249,576
FR 2,249,577
FR 2,249,578
FR 2,271,110
FR 2,271,111
FR 2,273,793
FR 2,273,794
FR 2,273,795
FR 2,278,816
FR 2,293,581
FR 2,384,002
FR 2,804,325
FR 2271105
FR 2271106
FR 2271107
FR 2271108
FR 2271109
FR 2391019
FR 2765708
FR 3,051,814
FR 3,054,679
FR 3,059,952
FR 3,122,046
FR 914,008
GB 0909099

GB 1,113,673 - Expires February 5, 2018

GB 1,117,258
GB 1,117,259
GB 1,387,585
GB 1,406,451
GB 1,422,944
GB 1,439,713
GB 1,445,869
GB 1,445,960
GB 1,515,567
GB 1,709,801
GB 1,742,479
GB 1,742,480
GB 1406450
GB 1411729
GB 2,009,923
GB 2,249,570
GB 2,249,573
GB 2,249,574
GB 2,249,575
GB 2,249,576
GB 2,249,577
GB 2,249,578
GB 2,271,110
GB 2,271,111

GB 2,273,793
GB 2,273,794
GB 2,273,795
GB 2,278,816
GB 2,293,581
GB 2,384,002
GB 2,804,325
GB 2271105
GB 2271106
GB 2271107
GB 2271108
GB 2271109
GB 2391019
GB 2765708
GB 3,051,814
GB 3,054,679
GB 3,059,952
GB 3,122,046
GB 914,008
GR 1,439,713
GR 1,445,869
GR 1,445,960
GR 1406450
GR 2,249,570
GR 2,249,573
GR 2,249,574
GR 2,249,575
GR 2,249,576
GR 2,249,577
GR 2,249,578
GR 2,271,110
GR 2,271,111
GR 2,273,794
GR 2,273,795
GR 2,293,581
GR 20060403642
GR 2271107
GR 2271108
GR 2271109
GR 2391019
GR 2765708
GR 3,051,814
GR 3,054,679
GR 3,067,753
GR 3,079,267
HK 1196720
HU 1,406,451
HU 1,439,713
HU 1,445,869
HU 1,742,480
HU 1406450

HU 2,249,570
HU 2,249,573
HU 2,249,574
HU 2,249,575
HU 2,249,576
HU 2,249,577
HU 2,249,578
HU 2,273,794
HU 2,273,795
HU 2,293,581
HU 2271107
HU 2391019
HU 2765708
HU 3,051,814

ID 10,293 - Expires February 5, 2018

ID 14151
ID 19,093
ID 19,695
ID 20,309
ID 20,478
ID 21,001
ID 21,430
ID 22337
ID 23245
ID 23269
ID 24650
ID 24705
ID 26844
ID 29186
ID 29407
ID 31497
IE 1,387,585
IE 1,406,451
IE 1,439,713
IE 1,445,869
IE 1,445,960
IE 1406450
IE 2,249,570
IE 2,249,573
IE 2,249,574
IE 2,249,575
IE 2,249,576
IE 2,249,577
IE 2,249,578
IE 2,271,110
IE 2,271,111
IE 2,273,793
IE 2,273,794
IE 2,273,795
IE 2,293,581
IE 2271107

IE 2271108
IE 2271109
IE 2391019
IE 2765708
IE 3,051,814
IE 3,054,679
IN 206840

IN 213,894 - Expires February 5, 2018

IN 227014
IN 229832
IN 239883
IN 241,349
IN 244365
IN 245493
IN 248159
IN 252037
IN 252250
IN 254220
IN 256815
IN 256817
IN 256819
IN 257432
IN 258289
IN 264,149
IN 277669
IN 278381
IN 279828

IT 1,113,673 - Expires February 5, 2018

IT 1,117,258
IT 1,117,259
IT 1,406,451
IT 1,422,944
IT 1,439,713
IT 1,445,869
IT 1,445,960
IT 1,709,801
IT 1,742,479
IT 1406450
IT 1411729
IT 2,009,923
IT 2,249,570
IT 2,249,573
IT 2,249,574
IT 2,249,575
IT 2,249,576
IT 2,249,577
IT 2,249,578
IT 2,271,110
IT 2,271,111
IT 2,273,794
IT 2,273,795

IT 2,293,581
IT 2,384,002
IT 2004B69800
IT 2271105
IT 2271106
IT 2271107
IT 2271108
IT 2271109
IT 2391019
IT 25962/BE/2013
IT 2765708
IT 3,051,814
IT 3,054,679
IT 3,059,952
IT 73625/BE/2012
IT 914,008
IT MI2009B019817
IT TO2005B070288
IT TO2006B073836
JP 3,234,807 - Expires February 3, 2018
JP 3,234,830 - Expires February 3, 2018
JP 3,756,475
JP 3,824,268
JP 4,114,859
JP 4,125,739
JP 4,142,929
JP 4,150,742
JP 4,197,262
JP 4,197,345
JP 4,230,188
JP 4,275,719
JP 4,348,209
JP 4,560,134
JP 4,560,135
JP 4,562,999
JP 4,581,035
JP 4,585,047
JP 4,594,448
JP 4,594,449
JP 4,598,160
JP 4,615,604
JP 4,615,622
JP 4,615,623
JP 4,628,216
JP 4,651,685
JP 4,679,524
JP 4,705,921
JP 4,892,628
JP 4,907,730
JP 4,914,459
JP 4,914,515

JP 5,037,657
JP 5,048,826
JP 5,085,756
JP 5,085,757
JP 5,090,551
JP 5,090,552
JP 5,102,344
JP 5,249,363
JP 5,401,530
JP 5,412,538
JP 5,602,294
JP 5,647,718
JP 5,647,719
KR 1,004,208
KR 1,031,423
KR 1,065,998
KR 1,068,707
KR 1,082,233
KR 1,136,629

KR 303,054 - Expires February 5, 2018

KR 384,918
KR 525,862
KR 530,394
KR 530,395
KR 656,296
KR 736,503
KR 743,818
KR 766,657
KR 796,107
KR 799,412
KR 801,385
KR 804,902
KR 845,067
KR 917,521
KR 923,379
KR 923,380
KR 926,850
KR 927,510
KR 931,746
KR 931,750
KR 946,845
KR 946,846
KR 946,848
KR 948,714
KR 951,485
KR 956,910
KR 959,969
KR 961,036
KR 961,037
KR 999,221
LI 1,439,713

LI 1,445,869
LI 1,445,960
LI 1,742,479
LI 1,742,480
LI 1406450
LI 2,249,570
LI 2,249,573
LI 2,249,574
LI 2,249,575
LI 2,249,576
LI 2,249,577
LI 2,249,578
LI 2,271,110
LI 2,271,111
LI 2,273,793
LI 2,273,794
LI 2,273,795
LI 2,278,816
LI 2,293,581
LI 2,804,325
LI 2271107
LI 2271108
LI 2271109
LI 2391019
LI 2765708
LI 3,051,814
LI 3,054,679
LI 3,122,046
LT 1,709,801

MX 220,076 - Expires February 5, 2018

MX 233931
MX 239,386
MX 239385
MX 240027
MX 243,908
MX 245,509
MX 246,993
MX 256,226
MX 256,733
MX 257,813
MX 258,980
MX 262,674
MX 263,264
MX 269,288
MX 269,429
MX 271,966
MX 273027
MX 282565
MY 118198
MY 135,048
MY 139,955

MY 139995
MY 155930-A
NL 1,387,585
NL 1,406,451
NL 1,422,944
NL 1,439,713
NL 1,445,869
NL 1,445,960
NL 1,515,567
NL 1,709,801
NL 1,742,479
NL 1,742,480
NL 1406450
NL 1411729
NL 2,009,923
NL 2,249,570
NL 2,249,573
NL 2,249,574
NL 2,249,575
NL 2,249,576
NL 2,249,577
NL 2,249,578
NL 2,271,110
NL 2,271,111
NL 2,273,793
NL 2,273,794
NL 2,273,795
NL 2,278,816
NL 2,293,581
NL 2,384,002
NL 2,804,325
NL 2271105
NL 2271106
NL 2271107
NL 2271108
NL 2271109
NL 2391019
NL 2765708
NL 3,051,814
NL 3,054,679
NL 3,059,952
NL 3,122,046
PL 1,709,801
PL 2,384,002
PT 1,439,713
PT 1,445,869
PT 1,445,960
PT 1,742,479
PT 1406450
PT 2,249,570
PT 2,249,573

PT 2,249,574
PT 2,249,575
PT 2,249,576
PT 2,249,577
PT 2,249,578
PT 2,271,110
PT 2,271,111
PT 2,273,793
PT 2,273,795
PT 2,278,816
PT 2,293,581
PT 2271107
PT 2271108
PT 2271109
PT 2391019
PT 2765708
PT 3,051,814
PT 3,054,679
RO 1,406,451
RO 1,445,869
RO 1,742,480
RO 2391019
RO 2765708
SE 1,387,585
SE 1,406,451
SE 1,439,713
SE 1,445,869
SE 1,445,960
SE 1,515,567
SE 1,742,480
SE 1406450
SE 2,249,570
SE 2,249,573
SE 2,249,574
SE 2,249,575
SE 2,249,576
SE 2,249,577
SE 2,249,578
SE 2,271,110
SE 2,271,111
SE 2,273,793
SE 2,273,794
SE 2,273,795
SE 2,278,816
SE 2,293,581
SE 2271107
SE 2271108
SE 2271109
SE 2391019
SE 2765708
SE 3,051,814

SE 3,054,679
SG 56,895 - Expires February 5, 2018
SG 86337
SI 1,406,451
SI 1,445,869
SI 1,742,479
SI 1406450
SI 2,249,570
SI 2,249,573
SI 2,249,576
SI 2,249,578
SI 2,293,581
SI 2271107
SI 2391019
SI 2765708
SI 3,051,814
SK 1,439,713
SK 1,445,869
SK 1406450
SK 2,249,570
SK 2,249,573
SK 2,249,576
SK 2,249,578
SK 2,293,581
SK 2,804,325
SK 2271107
SK 3,051,814
SK 3,054,679
SK 3,122,046
TH 25,132 - Expires February 3, 2018
TH 30975
TR 1,406,451
TR 1,439,713
TR 1,445,869
TR 1406450
TR 2,249,570
TR 2,249,573
TR 2,249,574
TR 2,249,575
TR 2,249,576
TR 2,249,577
TR 2,249,578
TR 2,273,794
TR 2,273,795
TR 2,293,581
TR 2,804,325
TR 200502315T4
TR 2006 06449 T4
TR 200808725
TR 2271107
TR 2271108

TR 2271109
TR 2391019
TR 2765708
TR 3,051,814
TR 3,054,679
TR 3,122,046
TW 136,357 - Expires February 6, 2018
TW 259,726
TW 280,058
TW 320664
TW 324889
TW 325,281
TW 379595
TW 383,530
TW 414187
TW I 272,013
TW I492636
TW I573442
TW I573446
TW I573447
TW I575946
US 6,373,856
US 6,445,739 - Expires February 4, 2018
US 6,501,793 - Expires February 4, 2018
US 6,549,724
US 6,654,541
US 6,671,456
US 6,954,156
US 7,010,035
US 7,088,269
US 7,126,989
US 7,206,347
US 7,209,520
US 7,327,788
US 7,362,807
US 7,526,026
US 7,580,459
US 7,583,731
US 7,630,435
US 7,649,944
US 7,664,180
US 7,664,182
US 7,733,960
US 7,742,526
US 7,756,204
US 7,782,936
US 7,801,219
US 7,856,060
US 7,860,159 - Expires February 4, 2018
US 7,912,122
US 7,916,782

US 7,933,327
US 7,940,845
US 7,944,977
US 7,961,793
US 7,995,658
US 8,064,519
US 8,081,678
US 8,107,533
US 8,111,747
US 8,170,103
US 8,179,966
US 8,189,680
US 8,194,734
US 8,194,747
US 8,213,517
US 8,218,623
US 8,265,153
US 8,290,046
US 8,290,047
US 8,290,049
US 8,477,838
US 8,571,097
US 8,605,789
US 8,630,342
US 8,660,192
US 8,670,482
US 8,885,717
US 8,885,718
US 8,885,719
US 8,885,720
US 8,902,987
US 8,908,769
US 8,929,438
US 8,958,480
US 8,964,839
US 8,964,848
US 8,971,411
US 9,071,817
US 9,077,988
US 9,078,003
US 9,083,980
US 9,088,781
US 9,088,782
US 9,088,783
US 9,094,666
US 9,124,896
US 9,124,897
US 9,154,794
US 9,161,050
US 9,191,669
US 9,197,894

US 9,241,161
US 9,241,162
US 9,264,730
US 9,264,733
US 9,277,236
US 9,325,988
US 9,338,448
US 9,344,714
US 9,390,512
US 9,407,927
US 9,412,177
US 9,445,106
US 9,451,278
US 9,456,211
US 9,462,267
US 9,485,519
US 9,516,338
US 9,538,196
US 9,578,323
US 9,602,844
US 9,693,074
US 9,723,325
US 9,729,896

Polycom, Inc.

AU 2002326713
CA 2457882
CN 02816465.2
ID 100020475
IL 160476
IN 250484
JP 4,881,543
KR 691,307
MX 251254
NO 339116
NZ 531863
PH 1-2004-500254
RU 2291586
SG 102893
SZ RP/4/2006
US 7,239,662
VN 5559
ZA 2004/01377

Robert Bosch GmbH

AT 324012
BE 1,457,055
CH 1,457,055
DE 50206504

DK 1,457,055
ES 2262847
FI 1,457,055
FR 1,457,055
GB 1,457,055
IT 1,457,055
LI 1,457,055
NL 1,457,055
SE 1,457,055
TR 200602991

Samsung Electronics Co., Ltd.

CN 03107665.3
CN 03107666.1
CN 03107667.X
CN 03801207.3
CN 200410005357.5
CN 200410033037.0
CN 200410054953.2
CN 98122956.5
HK 1,056,286
HK 1,056,287
HK 1,059,699
IN 203,511
IN 268596
JP 3,579,013
KR 313,870
KR 359,093
KR 375,345
KR 460,970
KR 584,549
KR 584,552
KR 584,622
KR 605,290
KR 612,849
KR 622,305
KR 622,306
KR 708,202
KR 813,989
KR 846,778
US 7,561,623
US 7,630,437
US 8,160,138
US 8,208,749
US 8,290,039
US 8,457,438
US 9,060,105
US 9,161,059

Sharp Corporation

CN 102638684
CN 200780031669.5
JP 4,454,678
US 8,532,176

Siemens AG

BR PI0109962-0
CA 2,406,164
CN 1122419
CN 1204752C
CN 1297146
DE 10143063
DE 10225434
DE 50103996.1
DE 50105422
DE 59901416
FR 1,110,407
FR 1,279,291
FR 1,285,537
GB 1,110,407
GB 1,279,291
GB 1,285,537
IT 27721/BE/2002
RU 2270530
US 7,068,721
US 7,245,773

Sony Corporation

CN 1,225,919
CN 101800897
CN 101800898B
JP 3,797,209
JP 4,240,283
JP 4,348,899
JP 4,687,998
JP 5,041,060
JP 5,041,061
JP 5,041,062
JP 5,057,495
JP 5,057,496
JP 5,057,497
JP 5,057,498
JP 5,062,320
JP 5,134,047
JP 5,134,048
JP 5,134,049
JP 5,134,050

JP 5,206,706
JP 5,215,495
JP 5,223,769
JP 5,234,870
JP 5,234,871
JP 5,234,872
JP 5,234,873
JP 5,234,874
KR 1,031,561
KR 1,091,751
KR 1,091,752
KR 1,106,086
KR 1,142,988
KR 1,156,997
KR 1,157,055
KR 1,157,059
KR 945,826
KR 952,649
KR 969,345
KR 983,832
KR 988,006
US 7,639,742
US 7,778,331
US 8,139,636
US 8,160,135
US 8,170,100
US 8,189,658
US 8,243,808
US 8,243,809
US 8,265,143
US 8,315,313
US 8,320,467
US 8,325,820
US 8,351,501
US 8,401,088
US 8,428,139
US 8,437,402
US 8,457,209
US 8,467,446
US 8,467,454
US 8,472,518
US 8,477,837
US 8,477,854
US 8,483,280
US 8,488,669
US 8,494,043
US 8,494,044
US 8,509,311
US 8,509,312
US 8,542,742
US 8,548,059

US 8,553,766
US 8,559,504
US 8,559,521
US 8,571,116
US 8,619,875
US 8,634,459
US 8,634,460
US 8,634,461
US 8,634,472
US 8,654,841
US 8,774,277
US 8,879,624
US 9,532,068

Tagivan II LLC

AT-E 587837
AU 2003236034
BE 2,216,995
CA 2,443,861
CH 2,216,995
CN 03800519.0
CN 200610095711.7
CN 200610095712.1
CN 200610095862.2
CN 200610095863.7
DE 60,342,802
DE 60320243.8
DE 60332974
DE 60342734.0
DE 60342803.7
DK 2,216,996
ES 1,499,133
ES 1,773,067
ES 2,399,675
ES 2,400,063
ES 2,400,945
FI 1,499,133
FI 2,216,997
FR 1,499,133
FR 1,773,067
FR 2,216,995
FR 2,216,996
FR 2,216,997
GB 1,499,133
GB 1,773,067
GB 2,216,995
GB 2,216,996
GB 2,216,997
ID 20546
IN 249851

IT 1,499,133
IT 1,773,067
IT 2,216,995
IT 20878/BE/2013
IT 21124/BE/2013
JP 4,130,783
JP 4,456,087
JP 5,167,232
JP 5,167,233
KR 947,689
KR 947,690
KR 947,691
KR 947,692
LI 2,216,995
MX 239456
MX 264923
MY 136,457
NL 1,499,133
NL 1,773,067
NL 2,216,995
NL 2,216,996
NL 2,216,997
SE 2,216,995
TR 1,499,133
TR 201302269
TW 281353
TW 323614
US 7,394,853
US 8,155,200
US 8,155,201
US 8,160,147
US 8,179,968
US 8,213,510
US 8,665,961
US 9,020,034
US 9,020,035
US 9,020,036
US 9,020,037
US 9,031,132
US 9,118,930

Telefonaktiebolaget LM Ericsson

AT 1,449,383
AU 2002353749
BE 1,449,383
BG 1,449,383
CH 1,449,383
CN 02823496.0
CY 1,449,383
CZ 1,449,383

DE 10296787.3
DE 60236886
DK 1,449,383
EE 1,449,383
ES 1,449,383
FI 1,449,383
FR 1,449,383
GB 1,449,383
GB 2,392,042
GR 1,449,383
IE 1,449,383
IN 218194
IN 231,901
IT 1,449,383
JP 4,133,346
JP 4,440,640
LI 1,449,383
LU 1,449,383
MC 1,449,383
NL 1,449,383
PT 1,449,383
RU 2,307,478
SE 1,449,383
SK 1,449,383
TR 1,449,383
US 6,907,071

The Trustees of Columbia University in the City of New York

CA 2,281,538 - Expires February 13, 2018
CH 1,209,915 - Expires February 13, 2018
DE 69835039.1 - Expires February 13, 2018
ES 2266396 - Expires February 13, 2018
FI 1,209,915 - Expires February 13, 2018
FR 1,209,915 - Expires February 13, 2018
GB 1,209,915 - Expires February 13, 2018
IT 1,209,915 - Expires February 13, 2018
JP 4,393,591 - Expires February 13, 2018
LI 1,209,915 - Expires February 13, 2018
SE 1,209,915 - Expires February 13, 2018
US 7,199,836 - Expires February 12, 2018
US 8,115,873 - Expires February 12, 2018
US 8,531,608 - Expires February 12, 2018
US 8,854,552 - Expires February 12, 2018
US 8,917,357 - Expires February 12, 2018

Toshiba Corporation

AT-E 479,285
BE 1,414,245
BE 1,798,988

BR PI0304533-1
BR PI9708223-6
BR PI9715336-2
CA 2,473,771
CA 2,646,562
CH 1,414,245
CH 1,798,988
CN 200910145809.2
CN 200910145811.X
DE 60333892
DE 60334861
ES 2,351,306
ES 2,355,656
FI 1,414,245
FI 1,798,988
FR 1,414,245
FR 1,798,988
GB 1,414,245
GB 1,798,988
IT 67199/BE/2011
IT 72738/BE/2010
JP 4,015,934
JP 4,127,713
JP 4,127,714
JP 4,127,715
JP 4,127,716
JP 4,127,717
JP 4,127,718
JP 4,208,913
JP 4,208,945
JP 4,208,946
JP 4,208,947
JP 4,208,952
JP 4,208,953
JP 4,208,954
JP 4,208,955
JP 4,213,766
JP 4,227,162
JP 4,227,163
JP 4,227,164
JP 4,227,165
JP 4,227,166
JP 4,227,167
JP 4,227,168
JP 4,227,188
JP 4,234,780
JP 4,234,781
JP 4,234,782
JP 4,234,783
JP 4,234,784
JP 4,247,304

JP 4,247,305
JP 4,247,306
JP 4,256,455
JP 4,256,456
JP 4,256,457
JP 4,256,458
JP 4,256,459
JP 4,256,460
JP 4,256,461
JP 4,256,462
JP 4,256,465
JP 4,282,752
JP 4,282,753
JP 4,282,754
JP 4,282,755
JP 4,282,757
JP 4,282,758
JP 4,307,522
JP 4,307,523
JP 4,307,524
JP 4,307,525
JP 4,307,526
JP 4,307,527
JP 4,307,528
JP 4,307,529
JP 4,307,530
JP 4,307,531
JP 4,307,532
JP 4,307,534
JP 4,307,535
JP 4,307,536
JP 4,307,537
JP 4,307,538
JP 4,307,539
JP 4,309,469
JP 4,320,366
JP 4,320,367
JP 4,320,368
JP 4,320,369
JP 4,320,370
JP 4,320,371
JP 4,331,259
JP 4,338,771
JP 4,338,772
JP 4,338,773
JP 4,338,774
JP 4,338,775
JP 4,338,776
JP 4,338,777
JP 4,338,778
JP 4,355,755

JP 4,355,756
JP 4,355,757
JP 4,355,758
JP 4,355,759
JP 4,355,760
JP 4,355,761
JP 4,355,762
JP 4,355,763
JP 4,355,764
JP 4,355,765
JP 4,355,766
JP 4,355,767
JP 4,355,768
JP 4,355,769
JP 4,355,770
JP 4,355,771
JP 4,376,301
JP 4,376,302
JP 4,376,303
JP 4,376,304
JP 4,376,305
JP 4,376,306
JP 4,376,307
JP 4,376,308
JP 4,376,309
JP 4,376,310
JP 4,376,311
JP 4,376,312
JP 4,376,313
JP 4,376,314
JP 4,376,315
JP 4,405,584
JP 4,406,047
JP 4,406,048
JP 4,406,049
JP 4,406,050
JP 4,406,051
JP 4,406,052
JP 4,406,053
JP 4,406,054
JP 4,406,055
JP 4,406,056
JP 4,406,057
JP 4,406,058
JP 4,406,059
JP 4,406,060
JP 4,406,061
JP 4,406,062
JP 4,406,063
JP 4,406,064
JP 4,406,065

JP 4,406,066
JP 4,406,067
JP 4,406,068
JP 4,406,069
JP 4,406,070
JP 4,406,071
JP 4,406,072
JP 4,406,073
JP 4,406,074
JP 4,406,075
JP 4,406,076
JP 4,406,077
JP 4,406,078
JP 4,406,079
JP 4,406,080
JP 4,406,081
JP 4,406,082
JP 4,406,083
JP 4,406,084
JP 4,406,085
JP 4,406,086
JP 4,406,087
JP 4,406,088
JP 4,406,089
JP 4,427,608
JP 4,427,609
JP 4,427,610
JP 4,427,611
JP 4,427,612
JP 4,427,613
JP 4,427,614
JP 4,427,615
JP 4,427,616
JP 4,427,617
JP 4,427,618
JP 4,427,619
JP 4,427,620
JP 4,427,621
JP 4,427,622
JP 4,427,623
JP 4,427,624
JP 4,427,625
JP 4,427,626
JP 4,427,627
JP 4,438,897
JP 4,438,898
JP 4,438,899
JP 4,438,900
JP 4,438,901
JP 4,438,902
JP 4,438,903

JP 4,438,904
JP 4,460,630
JP 4,460,631
JP 4,460,632
JP 4,460,633
JP 4,460,634
JP 4,460,635
JP 4,460,636
JP 4,460,637
JP 4,460,638
JP 4,460,639
JP 4,460,640
JP 4,460,641
JP 4,478,733
JP 4,478,734
JP 4,478,735
JP 4,478,736
JP 4,478,737
JP 4,478,738
JP 4,478,739
JP 4,478,740
JP 4,478,741
JP 4,478,742
JP 4,478,743
JP 4,478,744
JP 4,478,745
JP 4,478,746
JP 4,478,747
JP 4,478,748
JP 4,478,749
JP 4,478,750
JP 4,478,751
JP 4,478,752
JP 4,496,300
JP 4,496,301
JP 4,496,302
JP 4,496,303
JP 4,496,304
JP 4,496,305
JP 4,496,306
JP 4,496,307
JP 4,496,308
JP 4,496,309
JP 4,496,310
JP 4,496,311
JP 4,496,312
JP 4,496,313
JP 4,496,314
JP 4,496,315
JP 4,517,011
JP 4,517,012

JP 4,517,013
JP 4,517,014
JP 4,517,015
JP 4,517,016
JP 4,517,017
JP 4,517,018
JP 4,517,019
JP 4,517,020
JP 4,517,021
JP 4,517,022
JP 4,517,023
JP 4,517,024
JP 4,517,025
JP 4,517,026
JP 4,517,027
JP 4,517,028
JP 4,517,029
JP 4,517,030
JP 4,517,031
JP 4,517,032
JP 4,517,033
JP 4,517,034
JP 4,517,035
JP 4,517,036
JP 4,517,037
JP 4,517,038
JP 4,517,039
JP 4,517,040
JP 4,517,041
JP 4,538,539
JP 4,538,540
JP 4,538,541
JP 4,538,542
JP 4,538,543
JP 4,538,544
JP 4,538,545
JP 4,538,546
JP 4,538,547
JP 4,538,548
JP 4,538,549
JP 4,538,550
JP 4,538,551
JP 4,538,552
JP 4,538,553
JP 4,538,554
JP 4,538,555
JP 4,538,556
JP 4,538,557
JP 4,538,558
JP 4,538,559
JP 4,538,560

JP 4,538,561
JP 4,538,562
JP 4,538,563
JP 4,538,564
JP 4,538,565
JP 4,538,566
JP 4,538,567
JP 4,538,568
JP 4,538,569
JP 4,538,570
JP 4,538,571
JP 4,560,136
JP 4,560,137
JP 4,560,138
JP 4,560,139
JP 4,560,140
LI 1,414,245
LI 1,798,988
MX 256,545
MX 282,317
NL 1,414,245
NL 1,798,988
NO 337383
NO 339262
SE 1,414,245
SE 1,798,988
US 7,599,437
US 7,616,691
US 7,649,941
US 7,649,942
US 7,672,375
US 7,675,973
US 7,675,975
US 7,680,184
US 7,684,485
US 7,702,018
US 7,738,557
US 7,864,853
US 7,885,332
US 7,885,333
US 7,903,740
US 7,944,972
US 7,944,973
US 7,949,048
US 9,066,081

Vidyo, Inc.

AU 2006 321552
AU 2007-230602
AU 2007309044

AU 2011205017
AU 2012 216587
AU 2012 226283
AU 2012-201235
AU 2012-202123
BE 2,005,607
CA 2,633,819
CA 2,666,601
CA 2,763,089
CA 2,829,290
CN 101371312
CN 101601296
CN ZL200780011497.5
CN ZL201280012331.6
CZ 2,005,607
DE 60 2007 047 834.0
ES 2,005,607
FR 2,005,607
GB 2,005,607
IT 2,005,607
JP 5,351,761
JP 5,640,104
JP 5,697,332
JP 5,769,740
JP 6,026,443
NL 2,005,607
PL 2,005,607
SE 2,005,607
TR 2,005,607
US 7,643,560
US 8,594,202
US 8,761,263
US 8,861,613
US 9,077,964
US 9,179,160
US 9,743,099
US Re. 44,939

Dolby International AB

JP 2,951,861 - Expired March 10, 2009
JP 3,078,692 - Expired November 8, 2013
JP 3,277,116 - Expired March 18, 2016
JP 3,654,664 - Expired August 23, 2014
JP 3,702,178 - Expired October 12, 2015
JP 4,245,587 - Expired August 23, 2014
JP 4,427,553 - Expired March 18, 2016

Dolby Laboratories Licensing Corporation

US 5,987,181 - Expired October 7, 2016
US 6,681,050 - Expired October 7, 2016
US 6,687,409 - Expired October 7, 2016
US 6,728,317 - Expired January 29, 2016
US 7,194,136 - Expired October 7, 2016
US 7,340,102 - Expired October 7, 2016

Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.

AT 2,123,052 - Expired October 31, 2017
CH 2,123,052 - Expired October 31, 2017
CY 2,123,052 - Expired October 17, 2017
DK 2,123,052 - Expired October 18, 2017
FI 2,123,052 - Expired October 31, 2017
IE 2,123,052 - Expired October 31, 2017
IS 2,123,052 - Expired October 31, 2017
LI 2,123,052 - Expired October 31, 2017
LT 2,123,052 - Expired October 18, 2017
LU 2,123,052 - Expired October 31, 2017
LV 2,123,052 - Expired October 31, 2017
MC 2,123,052 - Expired November 2, 2017
MT 2,123,052 - Expired October 18, 2017
RO 2,123,052 - Expired October 18, 2017
SI 2,123,052 - Expired October 18, 2017
SK 2,123,052 - Expired October 18, 2017

Fujitsu Limited

US 5,235,618 - Expired November 5, 2010

Godo Kaisha JP Bridge1

CN 200410063261.4 - Expired November 6, 2017
CN 200610099763.1 - Expired November 6, 2017
CN 97191584.9 - Expired November 6, 2017
DE 69,740,474 - Expired November 6, 2017
DE 69740464 - Expired November 6, 2017
FR 2,257,070 - Expired November 6, 2017
FR 2,257,071 - Expired November 6, 2017

GB 2,257,070 - Expired November 6, 2017
GB 2,257,071 - Expired November 6, 2017
JP 3,208,101 - Expired November 5, 2017
JP 3,222,876 - Expired November 5, 2017
JP 3,527,454 - Expired November 5, 2017
JP 3,735,244 - Expired October 29, 2017
KR 354,799 - Expired November 6, 2017
KR 425,613 - Expired November 6, 2017
SG 54,716 - Expired November 5, 2017
US 6,608,939 - Expired November 5, 2017
US 6,658,152 - Expired November 5, 2017
US 6,681,048 - Expired November 5, 2017

Google Inc.

US Re. 38,563 - Expired October 5, 2017

JVC KENWOOD Corporation

JP 2,962,012 - Expired November 8, 2011
JP 3,060,376 - Expired August 30, 2011
US 5,103,307 - Expired January 17, 2011
US Re. 34,965 - Expired January 17, 2010
US Re. 35,158 - Expired January 17, 2010

Koninklijke Philips N.V.

AT 157,830 - Expired June 3, 2011
AU 641,726 - Expired February 20, 2011
BE 0460751 - Expired June 3, 2011
CA 2,018,031 - Expired June 1, 2010
CA 2,036,585 - Expired February 19, 2011
CA 2,043,670 - Expired May 31, 2011
CA 2,304,917 - Expired June 1, 2010
DE 69109346.6 - Expired February 18, 2011
DE 69127504 - Expired June 3, 2011
DK 0443676 - Expired February 18, 2011
DK 0460751 - Expired June 3, 2011
FI 101,442 - Expired February 19, 2011
FR 0443676 - Expired February 18, 2011
FR 0460751 - Expired June 3, 2011
GB 0443676 - Expired February 18, 2011
GB 0460751 - Expired June 3, 2011
HK 96-615 - Expired February 18, 2011
IT 0443676 - Expired February 18, 2011
IT 52497 BE/97 - Expired June 3, 2011
JP 2,791,822 - Expired June 2, 2010
JP 3,162,110 - Expired June 4, 2011
JP 3,174,586 - Expired February 20, 2011
JP 3,280,999 - Expired June 4, 2011
KR 114,697 - Expired January 8, 2012

KR 239,837 - Expired June 4, 2011
NL 0443676 - Expired February 18, 2011
NL 0460751 - Expired June 3, 2011
SE 0443676 - Expired February 18, 2011
SE 0460751 - Expired June 3, 2011
SG 9690467.7 - Expired February 18, 2011
US 4,849,812 - Expired February 23, 2008
US 5,021,879 - Expired June 3, 2008
US 5,128,758 - Expired July 6, 2009
US 5,179,442 - Expired January 11, 2010
US 5,606,539 - Expired February 24, 2014
US 5,608,697 - Expired June 4, 2011
US 5,699,476 - Expired October 18, 2010
US 5,740,310 - Expired April 13, 2015
US 5,844,867 - Expired June 4, 2011

LG Electronics Inc.

KR 237,636 - Expired November 2, 2015
KR 251,549 - Expired February 28, 2017
KR 617,598 - Expired December 30, 2017
KR 757,829 - Expired December 30, 2017
KR 757,830 - Expired December 30, 2017
KR 757,831 - Expired December 30, 2017
KR 757,832 - Expired December 30, 2017
US 7,262,886 - Expired January 21, 2018
US 7,277,593 - Expired January 21, 2018
US 7,289,682 - Expired January 21, 2018
US 7,359,569 - Expired January 21, 2018
US 7,391,921 - Expired January 21, 2018
US 7,391,922 - Expired January 21, 2018
US 7,394,945 - Expired January 21, 2018
US 7,397,965 - Expired January 21, 2018
US 7,403,667 - Expired January 21, 2018
US 7,463,786 - Expired January 21, 2018
US 7,492,959 - Expired January 21, 2018
US 7,492,960 - Expired January 21, 2018
US 7,492,961 - Expired January 21, 2018
US 7,496,239 - Expired January 21, 2018
US 7,499,598 - Expired January 21, 2018
US 7,599,571 - Expired January 21, 2018
US 7,616,831 - Expired January 21, 2018
US 7,616,832 - Expired January 21, 2018
US 7,616,833 - Expired January 21, 2018
US 7,620,262 - Expired January 21, 2018

Maxell, Ltd.

JP 3,191,935 - Expired November 30, 2010
JP 3,303,869 - Expired November 30, 2010

Mitsubishi Electric Corporation

CA 2,327,489 - Expired October 21, 2012
CN 200610100796.3 - Expired January 21, 2018
CN 200610101834.7 - Expired January 21, 2018
DE 69843236 - Expired January 22, 2018
FR 1,887,806 - Expired January 22, 2018
HK 1,109,278 - Expired January 22, 2018
HK 1109001 - Expired January 22, 2018
JP 1,869,940 - Expired March 8, 2005
JP 3,347,954 - Expired October 22, 2016
JP 4,260,786 - Expired January 22, 2018
JP 4,326,758 - Expired October 22, 2016
JP 4,441,182 - Expired June 28, 2016
JP 4,571,173 - Expired October 22, 2016
JP 4,755,242 - Expired January 22, 2018
JP 4,819,865 - Expired January 22, 2018
JP 4,875,187 - Expired October 22, 2016
JP 4,963,496 - Expired January 22, 2018
JP 4,963,520 - Expired January 22, 2018
JP 4,963,526 - Expired January 22, 2018
JP 5,258,991 - Expired January 22, 2018
KR 254,070 - Expired February 5, 2017
NO 310,850 - Expired October 21, 2012
US 5,926,225 - Expired October 31, 2016
US 6,097,759 - Expired October 15, 2012

NEWRACOM, Inc.

KR 166,264 - Expired October 31, 2015

Nippon Telegraph and Telephone Corporation

JP 2,938,412 - Expired September 2, 2017

Orange SA

DE 3767919 - Expired May 26, 2007
FI 86,241 - Expired May 28, 2007
FR 2,599,577 - Expired May 29, 2006
GB 248,711 - Expired May 26, 2007
IT 248,711 - Expired May 26, 2007
SE 248,711 - Expired May 26, 2007
US 4,796,087 - Expired May 31, 2007

Panasonic Corporation

JP 2,794,899 - Expired May 8, 2010
US 5,223,949 - Expired April 16, 2012
US Re. 35,910 - Expired May 10, 2010

Polycom, Inc.

US 5,367,385 - Expired May 6, 2012

Robert Bosch GmbH

DE 3769306 - Expired December 11, 2007

FR 0279053 - Expired December 11, 2007

GB 0279053 - Expired December 11, 2007

IT 0279053 - Expired December 11, 2007

NL 0279053 - Expired December 11, 2007

Samsung Electronics Co., Ltd.

CN 93106014.1 - Expired May 18, 2013

DE 69321781 - Expired July 23, 2013

FR 580,454 - Expired July 23, 2013

GB 580,454 - Expired July 23, 2013

HK 1,008,711 - Expired July 23, 2013

JP 2,665,127 - Expired June 18, 2013

JP 2,728,619 - Expired April 16, 2013

JP 3,369,422 - Expired June 22, 2013

JP 3,442,028 - Expired June 22, 2013

KR 103,834 - Expired December 7, 2011

KR 132,895 - Expired July 24, 2012

KR 147,549 - Expired February 28, 2012

KR 148,130 - Expired May 18, 2012

KR 148,226 - Expired December 16, 2013

KR 152,017 - Expired July 30, 2012

KR 162,196 - Expired December 23, 2011

KR 166,716 - Expired June 18, 2012

KR 178,711 - Expired July 9, 2012

KR 205,293 - Expired November 26, 2016

KR 304,660 - Expired November 8, 2015

KR 335,622 - Expired June 30, 2016

RU 2,072,562 - Expired May 17, 2013

US 5,384,849 - Expired May 17, 2013

US 5,467,086 - Expired June 17, 2013

US 5,654,706 - Expired July 22, 2013

US 6,680,975 - Expired February 28, 2013

US 7,292,657 - Expired February 28, 2013

Siemens AG

DE 59712594 - Expired June 23, 2017

DE 59713073 - Expired June 23, 2017

FR 1,648,174 - Expired June 23, 2017

FR 2737931 - Expired August 9, 2016

FR 817,496 - Expired June 23, 2017

GB 1,648,174 - Expired June 23, 2017

GB 2304485 - Expired August 15, 2016

GB 817,496 - Expired June 23, 2017
IT 26233/BE/2006 - Expired June 23, 2017
IT 30464/BE/2012 - Expired June 23, 2017
US 5,933,541 - Expired August 15, 2016
US 6,115,503 - Expired July 2, 2017

Sony Corporation

AT 171,831 - Expired December 28, 2012
AT 180,374 - Expired July 28, 2012
AT 209,422 - Expired July 28, 2012
AT 224,627 - Expired July 28, 2012
AU 669983 - Expired October 12, 2010
CA 2,092,295 - Expired July 28, 2012
DE 69227185 - Expired December 28, 2012
DE 69229229 - Expired July 28, 2012
DE 69232357 - Expired July 28, 2012
DE 69232784 - Expired July 28, 2012
FR 573,665 - Expired December 28, 2012
FR 598,904 - Expired July 28, 2012
FR 898,426 - Expired July 28, 2012
FR 907,289 - Expired July 28, 2012
GB 573,665 - Expired December 28, 2012
GB 598,904 - Expired July 28, 2012
HK 1,032,871 - Expired July 28, 2012
HK 1,033,059 - Expired July 28, 2012
IT RM1998B052096 - Expired December 28, 2012
IT RM1999B050448 - Expired July 28, 2012
IT RM2002B048140 - Expired July 28, 2012
IT RM2002B052345 - Expired July 28, 2012
JP 3,992,303 - Expired June 22, 2015
KR 260,475 - Expired December 28, 2012
NL 573,665 - Expired December 28, 2012
US 4,864,393 - Expired May 30, 2008
US 5,510,840 - Expired April 22, 2013
US 5,539,466 - Expired July 22, 2013
US 5,774,594 - Expired June 19, 2016
US 6,160,849 - Expired December 11, 2017
US Re. 37,222 - Expired October 11, 2010

The Trustees of Columbia University in the City of New York

CA 2,096,431 - Expired December 3, 2011
DE 69129595 - Expired December 3, 2011
DE 69130329 - Expired December 3, 2011
FR 564,597 - Expired December 3, 2011
FR 630,157 - Expired December 3, 2011
GB 564,597 - Expired December 3, 2011
GB 630,157 - Expired December 3, 2011
JP 2,746,749 - Expired December 3, 2011
US Re. 35,093 - Expired December 2, 2010

Toshiba Corporation

CA 2,249,540 - Expired March 18, 2017
CN 200610093891.5 - Expired March 17, 2017
CN 200610093894.9 - Expired March 17, 2017
CN 97193909.8 - Expired March 18, 2017
JP 3,631,488 - Expired September 13, 2016
JP 3,657,954 - Expired September 13, 2016
JP 3,657,955 - Expired September 13, 2016
JP 3,657,956 - Expired September 13, 2016
JP 3,657,957 - Expired September 13, 2016
JP 3,657,965 - Expired September 13, 2016
JP 3,657,967 - Expired September 13, 2016
JP 3,657,968 - Expired September 13, 2016
JP 3,657,969 - Expired September 13, 2016
JP 3,657,970 - Expired September 13, 2016
JP 3,657,978 - Expired September 13, 2016
JP 4,282,756 - Expired March 27, 2012
KR 685,771 - Expired March 18, 2017
KR 685,772 - Expired March 18, 2017
KR 841,974 - Expired March 18, 2017
MX 252,913 - Expired March 18, 2017
MX 280,222 - Expired March 18, 2017
US 5,930,395 - Expired October 24, 2016
US 6,353,681 - Expired October 24, 2016
US 6,408,098 - Expired October 24, 2016
US 6,571,361 - Expired September 26, 2016
US 6,621,931 - Expired October 24, 2016
US 7,321,995 - Expired October 17, 2017
US 7,454,669 - Expired September 26, 2016
US 7,464,305 - Expired September 29, 2016
US 7,472,317 - Expired December 18, 2016
US 7,475,298 - Expired July 12, 2017
US 7,487,410 - Expired May 12, 2017
US 7,669,108 - Expired September 26, 2016

Vidyo, Inc.

CA 2,667,194 - Expired October 23, 2017

ZTE Corporation

KR 174,441 - Expired July 21, 2015
KR 229,783 - Expired July 29, 2014

¹Replaced US 6,594,400 of which it is a reissue.

Addendum of Patents of Withdrawn Licensors

Each patent listed below was contributed to the AVC Patent Licensing Program by an entity that has withdrawn as a licensor from the AVC Patent Licensing Program effective as of the date listed. Those licensees with an AVC Patent Portfolio License in effect *prior to* the date of withdrawal indicated next to each patent retain their license under the respective withdrawn patent *on and after* the indicated withdrawal date.

US 7,155,055 (withdrawn by Zhigu Holdings Limited October 14, 2017)

US 7,020,200 (withdrawn by LSI Corporation July 15, 2007)

Addendum of Patents Removed from AVC Attachment 1

Each patent listed below was previously found essential for part of the AVC Standard that has now been deleted from the AVC Standard effective as of the date listed next to the removed patent. Those licensees with an AVC Patent Portfolio License in effect *prior to* the date of removal indicated next to each patent retain their license under the respective removed patent *on and after* the indicated removal date.

LG Electronics Inc.

US 6,862,043* removed as of December 5, 2008

Panasonic Corporation

CH 1,452,039 lapsed effective November 30, 2009

LI 1,452,039 lapsed effective November 30, 2009

* Was previously found essential for part of the AVC Standard that has now been deleted from the AVC Standard effective as of the date listed next to the removed patent.