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US 7,551,674

CableTelevision Laboratories, Inc.¹

US 6,510,554

Cisco Systems Canada Co.²

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US 7,227,901
US 7,400,681

Cisco Technology, Inc.³

US 7,684,489

Dolby International AB⁴

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ZA 2005/09231

Dolby Laboratories Licensing Corporation⁵

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Electronics and Telecommunications Research Institute

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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.

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Fujitsu Limited

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GE Video Compression, LLC⁶

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US 9,432,681

HP Inc.

US 6,741,746

JVC KENWOOD Corporation⁸

JP 4,241,417

Koninklijke Philips N.V.⁹

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.

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Microsoft Corporation

AT 1,135,934
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Mitsubishi Electric Corporation

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Nippon Telegraph and Telephone Corporation

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US 8,605,789
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US 9,191,669
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US 9,390,512
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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 9,602,844

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
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KR 622,306
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KR 846,778
US 7,561,623
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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 59712594 - Expires June 23, 2017
DE 59713073 - Expires June 23, 2017
DE 59901416
FR 1,110,407
FR 1,279,291
FR 1,285,537
FR 1,648,174 - Expires June 23, 2017
FR 817,496 - Expires June 23, 2017
GB 1,110,407
GB 1,279,291
GB 1,285,537

GB 1,648,174 - Expires June 23, 2017
GB 817,496 - Expires June 23, 2017
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IT 30464/BE/2012 - Expires June 23, 2017
RU 2270530
US 6,115,503 - Expires July 2, 2017
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
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KR 969,345
KR 983,832

KR 988,006
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US 8,170,100
US 8,189,658
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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
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GB 1,499,133
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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
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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

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NL 2,216,997
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TR 201302269
TW 281353
TW 323614
US 7,394,853
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US 8,155,201
US 8,160,147
US 8,179,968
US 8,213,510
US 8,665,961
US 9,020,034
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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
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EE 1,449,383
ES 1,449,383
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GB 1,449,383
GB 2,392,042
GR 1,449,383
IE 1,449,383
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IN 231,901
IT 1,449,383
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PT 1,449,383
RU 2,307,478
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SK 1,449,383
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US 6,907,071

The Trustees of Columbia University in the City of New York

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

Toshiba Corporation

AT-E 479,285
BE 1,414,245
BE 1,798,988
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
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ES 2,351,306
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FI 1,414,245
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IT 72738/BE/2010

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LI 1,414,245
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MX 256,545
MX 282,317

NL 1,414,245
NL 1,798,988
SE 1,414,245
SE 1,798,988
US 7,321,995
US 7,475,298 - Expires July 12, 2017
US 7,487,410 - Expires May 12, 2017
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

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 2,667,194
CA 2,763,089
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 Re. 44,939

Dolby International AB⁴

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 Corporation⁵

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

Fujitsu Limited

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

Hitachi Maxell, Ltd.⁷

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

JVC KENWOOD Corporation⁸

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.⁹

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

Mitsubishi Electric Corporation

CA 2,327,489 - Expired October 21, 2012
JP 1,869,940 - Expired March 8, 2005
JP 3,347,954 - Expired October 22, 2016
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 4,875,187 - Expired October 22, 2016
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

Orange SA¹²

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 Corporation¹¹

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
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ZTE Corporation¹³

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¹Ownership of the patent listed under CableTelevision Laboratories, Inc. was acquired from Sedna Patent Services, LLC as of March 12, 2015.

²Ownership of each of the patents listed under Cisco Systems Canada Co. was acquired from Cisco Systems Canada IP Holdings as of July 29, 2012.

³Ownership of each of the patents listed under Cisco Technology, Inc. was acquired from Tandberg Telecom as of July 31, 2011.

⁴Ownership of some of the patents listed under Dolby International AB was acquired from Sharp Corporation as of September 30, 2015.

⁵Ownership of some of the patents listed under Dolby Laboratories Licensing Corporation was acquired from Sharp Corporation as of September 30, 2015.

⁶Ownership of each of the patents listed under GE Video Compression, LLC was acquired from Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V. as of January 1, 2015.

⁷Name change from Hitachi, Ltd. effective January 1, 2012. Patent ownership subsequently assigned to Hitachi Maxell, Ltd. effective July 1, 2013.

⁸Name change effective October 1, 2011 due to merger of Victor Company of Japan, Limited with JVC KENWOOD Corporation.

⁹Name change from Koninklijke Philips Electronics N.V. effective May 15, 2013.

¹⁰Replaced US 6,594,400 of which it is a reissue.

¹¹Name change from Matsushita Electric Industrial Co., Ltd. effective October 1, 2008.

¹²Name change from France Télécom, société anonyme effective July 1, 2013.

¹³Ownership of each of the patents listed under ZTE Corporation was acquired from DAEWOO Electronics Corporation as of September 26, 2012.

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 next to that entity's name. 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.

LSI Corporation (formerly LSI Logic Corporation) (withdrawn July 15, 2007) US

7,020,200 (withdrawn 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.