

**The Trustees of Columbia University in the City of New York**

US Re. 35,093  
CA 2,096,431  
DE 69129595  
DE 69130329  
FR 564,597  
FR 630,157  
GB 564,597  
GB 630,157  
JP 2,746,749

**DAEWOO Electronics Corporation**

KR 174,441

KR 229,783

**Electronics and Telecommunications Research Institute**

KR 353,851  
CN 200410089708.5

**France Télécom, société anonyme**

US 4,796,087<sup>1</sup>  
DE 3767919<sup>†</sup>  
FI 86241<sup>2</sup>  
FR 2,599,577<sup>3</sup>  
GB 248,711<sup>†</sup>  
IT 248,711<sup>†</sup>  
SE 248,711<sup>†</sup>

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

US 6,894,628

US 6,900,748

US 7,088,271

US 6,943,710

JP 3,989,485

US 7,286,710

US 7,379,608

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<sup>1</sup> Expired May 31, 2007

<sup>2</sup> Expired May 28, 2007

<sup>3</sup> Expired May 29, 2006

<sup>†</sup> Expired May 26, 2007

AT 352826  
BE 1,467,491  
BG 1,467,491  
CH/LI 1,467,491  
CZ 1,467,491  
DE 50306371.1  
DK 1,467,491  
ES 1,467,491  
FI 1,467,491  
FR 1,467,491  
GB 1,467,491  
GR 3060957  
HK 1,070,480  
HU 1,467,491  
IE 1,467,491  
IT 1,467,491  
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PT 1,467,491  
RO 1,467,491  
SE 1,467,491  
TR 1,467,491

AT 343302  
BE 1,487,113  
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ES 1,487,113  
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IT 1,487,113  
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PT 1,487,113  
RO 1,487,113  
SE 1,487,113

JP 4,054,345

JP 4,057,595

**Fujitsu Limited**

US 5,235,618

JP 3,791,922

CA 2,439,886

CN 03156610.3

JP 3,946,721

JP 3,946,758

JP 3,946,759

KR 788,567

KR 788,569

**Hitachi, Ltd**

JP 3,191,935

JP 3,303,869

**Koninklijke Philips Electronics N.V.**

US 4,849,812<sup>4</sup>

US 5,021,879<sup>5</sup>

US 5,128,758

US 5,179,442

US 5,606,539

US 5,608,697

US 5,844,867

US 5,699,476

US 5,740,310

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<sup>4</sup> Expired February 23, 2008

<sup>5</sup> Expired June 3, 2008

**LG Electronics Inc.**

US Re. 40,177<sup>6</sup>

US Re. 40,178

US Re. 40,179

US Re. 40,180

US 6,862,043

US 6,912,351

US 7,233,621

US 7,262,886

US 7,277,593

US 7,289,682

US 7,359,569

FI 1,359,769

FR 1,359,769

IT 1,359,769

SE 1,359,769

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<sup>6</sup> Replaced US 6,594,400 of which it is a reissue.

AT 354259  
BE 1,406,453  
BG 1,406,453  
CH/LI 1,406,453  
CY 1,406,453  
CZ 1,406,453  
DE 60311720.1  
DK 1,406,453  
EE E001131  
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SK 1,406,453  
TR 1,406,453

GB 2,387,498  
CN 200410104547.2  
RU 2,297,109  
TW I 280,806  
GB 2,408,889

GB 2,388,267  
CN 03101444.5  
NL 1,022,331  
TW 221,076  
GB 2,405,549  
GB 2,416,455  
HK 1,079,647  
HK 1,091,634

GB 2,393,873  
DE 10300533  
GB 2,406,459  
GB 2,406,460

GB 2,412,032  
GB 2,436,981

JP 3,958,690  
ES 1,359,767  
FR 1,359,767  
HU E002547  
IT 1,359,767

JP 4,020,789

KR 237,636

KR 251,549

KR 491,530

KR 494,828  
HK 1073555

KR 494,829  
HK 1073556

KR 494,830  
RU 2273113

KR 494,831

KR 505,319

KR 505,320

KR 506,864  
RU 2,264,049  
TW 229,825

KR 506,865

KR 506,866

KR 507,917

KR 508,798  
CN 03101657.X

KR 508,799

KR 508,800

KR 523,551

KR 525,785

KR 602,149

KR 617,598

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 757,829

KR 757,830

KR 757,831

KR 757,832

NL 1,022,332

NL 1,022,333  
NL 1,029,485  
NL 1,029,486

**Matsushita Electric Industrial Co., Ltd.**

US Re. 35,910

US 5,223,949

US 6,608,939  
US 6,658,152  
US 6,681,048  
CN 97191584.9  
JP 3,208,101  
JP 3,222,876  
JP 3,527,454  
KR 354,799  
KR 425,613  
SG 54716

US 6,373,856  
DE 69822751.4  
FR 0909099  
GB 0909099  
IT 2004B69800

US 6,445,739

US 6,501,793

US 6,954,157  
ID 18606  
MX 245670  
US 6,967,600  
US 7,312,731

US 6,992,605

US 7,088,269

US 7,095,896  
US 7,305,134  
US 7,308,143  
US 7,308,149

US 7,126,989

US 7,167,591

ID 19906

MX 249459

US 7,218,787

TW I 262,024

US 7,184,598

US 7,206,347

CN 3801021.6

US 7,305,035

BE 1,387,585

CA 2,428,081

CZ 1,387,585

DE 60203492.2

DK 1,387,585

ES 2238593

FI 1,387,585

FR 1,387,585

GB 1,387,585

IE 1,387,585

IT TO2005B070288

MX 239386

NL 1,387,585

SE 1,387,585

TR 200502315T4

AT 1,406,451  
CZ 1,406,451  
DE 60310842.3  
DK 1,406,451  
ES 1,406,451  
FI 1,406,451  
FR 1,406,451  
GB 1,406,451  
HU 1,406,451  
IE 1,406,451  
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MX 246993  
NL 1,406,451  
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SE 1,406,451  
SI 1,406,451  
TR 1,406,451  
TW 280058

CN 3800594.8  
DE 60311734.1  
ES 1,424,856  
FR 1,424,856  
GB 1,424,856  
IT 1,424,856  
NL 1,424,856

AU 2003227248  
CN 03801158.1  
CZ 1,478,188  
DE 60302652.4  
DK 1,478,188  
ES 2252666  
FI 1,478,188  
FR 1,478,188  
GB 1,478,188  
HU E000227  
IE 1,478,188  
IT TO200668156  
MX 238917  
NL 1,478,188  
PT 1,478,188  
RO 1,478,188  
SE 1,478,188  
SI 1,478,188  
TR 200600624T4  
TW I 281,352

DE 60214248.2  
ES 1,515,567  
FR 1,515,567  
GB 1,515,567  
GR 20060403642  
IT TO2006B073836  
NL 1,515,567  
SE 1,515,567  
TR 2006 06449 T4

CH/LI 1,596,608  
DE 60311530.6  
DK 1,596,608  
ES 1,596,608  
FI 1,596,608  
FR 1,596,608  
GB 1,596,608  
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IT 1,596,608  
NL 1,596,608  
RO 1,596,608  
SE 1,596,608

JP 2,794,899

JP 3,234,807

JP 3,735,244  
MY 124,128

JP 3,756,475

JP 3,769,534  
CN 02804269.7  
ID 18408

JP 3,824,268  
CN 3800792.4  
MX 243908  
TW I 272,013

JP 3,878,591  
TW 280781

JP 4,009,650

KR 736,503

**Microsoft Corporation**

US 6,563,953  
US 6,735,345  
AT 1135934  
BE 1135934  
CH/LI 1135934  
DE 69937462.6  
DK 1135934  
ES 1135934  
FI 1135934  
FR 1135934  
GB 1135934  
IT 1135934  
NL 1135934  
PT 1135934  
SE 1135934

US 6,882,685  
US 7,106,797  
CN 02143205.8  
JP 3,964,765  
TW I 221,388

US 6,912,584

US 7,116,830  
US 7,120,197  
US 7,263,232

US 7,149,247

US 7,162,091

US 7,266,149

DE 60311231.5  
DE 60310368.5  
FR 1,468,566  
FR 1,468,567  
GB 1,468,566  
GB 1,468,567  
IT 1,468,566  
IT 1,468,567

KR 578,432  
CN 03124169.7

**Mitsubishi Electric Corporation**

US 6,097,759  
CA 2,327,489  
NO 310850

US 7,095,344  
SG 101613  
TW I 222,834

JP 1,869,940<sup>7</sup>

JP 3,347,954

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<sup>7</sup> Expired March 8, 2005

JP 3,807,342

**Nippon Telegraph and Telephone Corporation**

JP 2,938,412

**NTT DoCoMo, Inc.**

JP 3,491,001

JP 3,513,148

KR 583,552

JP 3,534,742

KR 603,175

KR 701,810

**Robert Bosch GmbH**

DE 3769306<sup>†</sup>

FR 0279053<sup>†</sup>

GB 0279053<sup>†</sup>

IT 0279053<sup>†</sup>

NL 0279053<sup>†</sup>

**Samsung Electronics Co., Ltd.**

US 5,384,849

CN 93106014.1

JP 2,728,619

KR 148,130

RU 2,072,562

US 5,467,086

JP 2,665,127

US 5,654,706

DE 69321781

FR 580,454

GB 580,454

HK 1008711

JP 3,369,422

JP 3,442,028

US 6,680,975

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<sup>†</sup> Expired December 11, 2007

US 7,292,657

KR 103,834

KR 132,895

KR 147,549

KR 148,226

KR 152,017

KR 162,196

KR 166,716

KR 178,711

KR 205,293

KR 301,013

AU 717,480

RU 2,154,918

SG 70679

JP 3,579,013

KR 313,870

CN 98122956.5

CN 03107665.3

CN 03107666.1

CN 03107667.X

HK 1056286

HK 1056287

HK 1059699

KR 359,093

CN 200410054953.2

KR 375,345

KR 460,970

KR 584,549

KR 605,290

KR 584,552

KR 584,622

KR 622,305

KR 622,306

KR 708,202

**Scientific-Atlanta Vancouver Company<sup>†</sup>**

US 6,646,578

US 7,050,504

**Sedna Patent Services, LLC**

US 6,510,554

**Sharp Corporation**

US 7,106,795

US 7,123,655

DE 60215241.0

FR 1,246,131

GB 1,246,131

DE 60313454.8

ES 1,510,078

FR 1,510,078

GB 1,510,078

IT 1,510,078

NL 1,510,078

DE 60220106.3

FR 1,596,604

GB 1,596,604

JP 2,951,861

JP 3,078,692

JP 3,664,626

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<sup>†</sup> Ownership of each of the patents listed under Scientific-Atlanta Vancouver Company was acquired by Scientific-Atlanta Vancouver Company as of April 29, 2007.

JP 3,678,365  
CA 2,454,626

JP 3,688,248  
JP 3,688,283  
JP 3,688,288  
JP 3,714,944

JP 3,710,464

JP 3,734,492  
JP 3,734,494  
TW 241,532

JP 3,862,725

KR 591,653

KR 612,785  
CN 02817995.1  
HK 1,070,223

KR 685,264

KR 751,670

**Siemens AG**  
US 5,933,541

US 6,115,503

**Sony Corporation**

US Re. 37,222

US 4,864,393<sup>8</sup>

US 5,510,840

US 5,539,466

US 6,160,849

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<sup>8</sup> Expired May 30, 2008

**Toshiba Corporation**

US 5,930,395

US 6,353,681

US 6,408,098

US 6,571,361

US 6,621,931

JP 3,631,488

JP 3,657,954

CN 97193909.8

JP 3,657,955

JP 3,657,956

JP 3,657,957

JP 3,657,965

JP 3,657,967

JP 3,657,968

JP 3,657,969

JP 3,657,970

JP 3,657,978

JP 4,015,934

KR 685,771

KR 685,772

**Victor Company of Japan, Limited**

US Re. 34,965

US Re. 35,158

## 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)