

Alcatel Lucent

*US 4,970,590<sup>1</sup>*

*DE 68924764<sup>†</sup>*

*FR 0374548<sup>†</sup>*

*GB 0374548<sup>†</sup>*

*IT 1228109<sup>2</sup>*

*JP 3,011,338<sup>3</sup>*

*SE 0374548<sup>†</sup>*

*US 4,833,543<sup>4</sup>*

*DE 3785589.1<sup>‡</sup>*

*FR 0230338<sup>‡</sup>*

*GB 0230338<sup>‡</sup>*

*IT 22728 BE/93<sup>‡</sup>*

*US 5,453,790*

*DE 69011422<sup>\*,§</sup>*

*FR 0401638<sup>§</sup>*

*GB 0401638<sup>§</sup>*

*IT 1,230,235<sup>5</sup>*

*SE 0401638<sup>§</sup>*

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<sup>1</sup> Expired December 20, 2009

<sup>†</sup> Expired December 1, 2009

<sup>2</sup> Expired December 21, 2008

<sup>3</sup> Expired December 21, 2009

<sup>4</sup> Expired December 23, 2006

<sup>‡</sup> Expired January 20, 2007

\* Italics patent numbers denote MPEG-2/MPEG-2 Systems patents.

<sup>§</sup> Expired May 28, 2010

<sup>5</sup> Expired June 6, 2009

British Telecommunications plc

US 5,291,284<sup>§</sup>

GB 0448590<sup>†</sup>

JP 2,046,808<sup>†</sup>

Canon Inc.

US 4,982,270<sup>6</sup>

JP 2,674,059<sup>7</sup>

Cisco Technology, Inc.\*

US 5,418,782

AU 683134

CA 2,180,363

JP 2,940,638

MX 190,776

US 5,420,866

AU 687844

CA 2,186,368

JP 2,940,639

US 5,457,701

AU 680680

CA 2,180,342

JP 2,937,301

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<sup>§</sup> Expired February 28, 2011

<sup>†</sup> Expired December 12, 2009

<sup>6</sup> Expired February 2, 2009

<sup>7</sup> Expired February 9, 2008

\* Ownership of each of the patents listed under Cisco Technology, Inc. was acquired from Scientific-Atlanta, LLC as of January 1, 2009.

CIF Licensing, LLC

US 5,068,724<sup>8</sup>  
AT 182243<sup>‡</sup>  
AU 627421-B2<sup>9</sup>  
BE 0467040<sup>‡</sup>  
CA 2044118-6<sup>10</sup>  
CH 0467040<sup>‡</sup>  
DE 69131438.1<sup>‡</sup>  
DK 0467040<sup>‡</sup>  
ES 0467040<sup>‡</sup>  
FR 0467040<sup>‡</sup>  
GB 0467040<sup>‡</sup>  
GR 0467040<sup>‡</sup>  
HK 1013759<sup>‡</sup>  
IE 81694<sup>11</sup>  
IT 0467040<sup>‡</sup>  
LI 0467040<sup>‡</sup>  
NL 0467040<sup>‡</sup>  
NO 179890-C<sup>12</sup>  
SE 0467040<sup>‡</sup>  
TW NI-52990<sup>13</sup>

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<sup>8</sup> Expired June 14, 2010  
<sup>‡</sup> Expired May 18, 2011  
<sup>9</sup> Expired May 30, 2011  
<sup>10</sup> Expired June 7, 2011  
<sup>11</sup> Expired May 10, 2011  
<sup>12</sup> Expired June 13, 2011  
<sup>13</sup> Expired May 14, 2011

US 5,091,782<sup>14</sup>  
AT 139402-T1<sup>§</sup>  
AU 627684-B2<sup>15</sup>  
BE 0451545<sup>§</sup>  
CA 2,038,043-C<sup>16</sup>  
CH 0451545<sup>§</sup>  
DE 69120139-T2<sup>§</sup>  
DK 0451545 T3<sup>§</sup>  
ES 2088440-T3<sup>§</sup>  
FR 0451545<sup>§</sup>  
GB 0451545<sup>§</sup>  
GR 3020736<sup>§</sup>  
HK 1008410<sup>§</sup>  
IE 74861<sup>17</sup>  
IT 0451545<sup>§</sup>  
JP 2,795,420<sup>18</sup>  
KR 188423<sup>19</sup>  
LI 0451545<sup>§</sup>  
NL 0451545<sup>§</sup>  
NO 178419-C\*  
NO 178420-C\*  
SE 0451545<sup>§</sup>  
TW NI-50643<sup>20</sup>  
  
US 5,093,720<sup>21</sup>

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<sup>14</sup> Expired April 8, 2010  
<sup>§</sup> Expired March 18, 2011  
<sup>15</sup> Expired March 6, 2011  
<sup>16</sup> Expired March 12, 2011  
<sup>17</sup> Expired February 25, 2011  
<sup>18</sup> Expired April 8, 2011  
<sup>19</sup> Expired April 9, 2011  
\* Expired March 20, 2011  
<sup>20</sup> Expired February 28, 2011  
<sup>21</sup> Expired August 19, 2010

France Télécom, société anonyme

US 4,796,087<sup>22</sup>

DE 3767919<sup>†</sup>

FI 86241<sup>23</sup>

FR 2599577<sup>24</sup>

GB 0248711<sup>†</sup>

IT 0248711<sup>†</sup>

SE 0248711<sup>†</sup>

Fujitsu Limited

US 5,235,618<sup>§</sup>

CA 2,029,320<sup>§</sup>

DE 0431319<sup>§</sup>

FR 0431319<sup>§</sup>

GB 0431319<sup>§</sup>

JP 2,787,599<sup>25</sup>

GE Technology Development, Inc.

US 4,706,260<sup>26</sup>

US 4,813,056<sup>27</sup>

DE 3855203 T2<sup>‡</sup>

FR 0395709<sup>‡</sup>

GB 0395709<sup>‡</sup>

HK 1,004,307<sup>‡</sup>

JP 2,790,509<sup>‡</sup>

SG 63561<sup>‡</sup>

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<sup>22</sup> Expired May 31, 2007

<sup>†</sup> Expired May 26, 2007

<sup>23</sup> Expired May 28, 2007

<sup>24</sup> Expired May 29, 2006

<sup>§</sup> Expired November 5, 2010

<sup>25</sup> Expired November 6, 2009

<sup>26</sup> Expired November 6, 2006

<sup>27</sup> Expired December 7, 2007

<sup>‡</sup> Expired December 1, 2008

US 5,426,464

US 5,486,864

CN 1,060,003

DE 69421444

ES 2,140,477

FR 0624983

GB 0624983

IT 0624983

JP 3,657,017

KR 291492

MX 188411

MY 118172-A

MY 141626-A

RU 2,115,261

SG 82528

TH 20936

TR 28291

TW NI-092150

US 5,491,516  
AT 167015  
BR PI 9405710-9  
CA 2,153,886  
CN 94191176.4  
DE 69410781.6  
ES 2,117,252  
FI 113929  
FR 0679316  
GB 0679316  
IN 183230  
IT 50123 BE 98  
JP 3,510,628  
KR 282981  
MX 187475  
MY 109889-A  
PH 1-1993-47458  
PT 0679316  
RU 2,115,258  
SE 0679316  
SG 94680  
SG 110033  
TH 24931  
TR 27398  
TW NI-66422  
VN 526  
  
US 5,600,376  
IN 181018

US 5,796,743  
CN 94112956.X  
DE P69331606.3-08  
ES 732 028  
FR 732 028  
GB 732 028  
IT 732 028  
JP 3,811,183  
JP 4,317,925  
KR 283710  
MX 201309  
MY 112121  
PT 732 028  
TH 18963  
TW NI-070615

CN 01117193.6<sup>†</sup>  
HK 1,044,090<sup>†</sup>  
JP 3,657,200<sup>†</sup>  
MY 128994<sup>†</sup>  
SG 94359<sup>†</sup>  
SG 118194<sup>†</sup>

General Instrument Corporation

US 4,394,774<sup>28</sup>

US 4,698,672<sup>29</sup>

Hewlett-Packard Company

US 5,867,501

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<sup>†</sup> This patent is a counterpart of US Patent No. 5,565,923 owned by and separately listed under Thomson Licensing.

<sup>28</sup> Expired December 15, 1998

<sup>29</sup> Expired October 26, 2006

Hitachi, Ltd.

JP 2,666,793<sup>30</sup>

JP 2,907,072<sup>31</sup>

JP 3,085,289<sup>§</sup>

JP 3,173,508<sup>§</sup>

JP 3,191,935<sup>ⓑ</sup>

JP 3,265,287<sup>32</sup>

JP 3,303,869<sup>ⓑ</sup>

JVC KENWOOD Corporation\*

US Re 34,965<sup>Ⓐ</sup>

DE 69024235<sup>‡</sup>

DE 69030819<sup>‡</sup>

FR 0379217-B<sup>‡</sup>

FR 0572046-B<sup>‡</sup>

GB 0379217-B<sup>‡</sup>

GB 0572046-B<sup>‡</sup>

HK 1001182<sup>‡</sup>

HK 1001183<sup>‡</sup>

JP 2,072,546<sup>33</sup>

JP 2,530,217<sup>34</sup>

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<sup>30</sup> Expired December 27, 2004

<sup>31</sup> Expired February 5, 2008

<sup>§</sup> Expired October 1, 2010

<sup>ⓑ</sup> Expired November 30, 2010

<sup>32</sup> Expired August 29, 2010

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

<sup>Ⓐ</sup> Expired January 17, 2010

<sup>‡</sup> Expired January 19, 2010

<sup>33</sup> Expired February 14, 2009

<sup>34</sup> Expired January 20, 2009

US Re 35,158<sup>a</sup>  
DE 69031045<sup>§</sup>  
FR 0584840-B<sup>§</sup>  
GB 0584840-B<sup>§</sup>  
HK 1000538<sup>§</sup>  
JP 2,137,325<sup>35</sup>  
NL 0584840-B<sup>§</sup>

US Re 36,822  
JP 2,962,012<sup>36</sup>

US 5,103,307<sup>37</sup>

US 5,175,618<sup>38</sup>  
DE 69123705<sup>†</sup>  
DE 69131257<sup>†</sup>  
FR 0484140-B<sup>†</sup>  
FR 0683615<sup>†</sup>  
GB 0484140-B<sup>†</sup>  
GB 0683615<sup>†</sup>  
HK 1000752<sup>†</sup>  
HK 1000794<sup>†</sup>  
JP 2,830,881\*  
JP 2,921,755\*  
KR 94554<sup>†</sup>

*JP 2,722,933*<sup>39</sup>

JP 2,808,860<sup>40</sup>

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<sup>§</sup> Expired April 27, 2010  
<sup>35</sup> Expired April 27, 2009  
<sup>36</sup> Expired November 8, 2011  
<sup>37</sup> Expired January 17, 2011  
<sup>38</sup> Expired October 29, 2011  
<sup>†</sup> Expired October 30, 2011  
<sup>\*</sup> Expired March 18, 2011  
<sup>39</sup> Expires March 11, 2012  
<sup>40</sup> Expired August 24, 2010

KDDI Corporation

JP 1,835,550<sup>41</sup>

JP 3,201,079

Koninklijke Philips Electronics N.V.

US 4,849,812<sup>42</sup>

CN 1013425-B<sup>43</sup>

DE 3871998-T<sup>§</sup>

FR 0282135-B<sup>§</sup>

GB 0282135-B<sup>§</sup>

IT 0282135-B<sup>§</sup>

JP 2,534,534-B<sup>244</sup>

KR 9700364-B<sup>145</sup>

TW 29492-B<sup>46</sup>

US 4,901,075<sup>†</sup>

AT 260748-B<sup>†</sup>

CN 1011459B<sup>47</sup>

DE 3750206-C<sup>0†</sup>

FR 0260748-B<sup>†</sup>

GB 0260748-B<sup>†</sup>

IT 0260748-B<sup>†</sup>

JP 2,711,665<sup>48</sup>

KR 118698

NL 0260748-B<sup>†</sup>

SE 0260748-B<sup>†</sup>

TW 35350-B<sup>49</sup>

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<sup>41</sup> Expired March 14, 2006

<sup>42</sup> Expired February 23, 2008

<sup>43</sup> Expired March 7, 2008

<sup>§</sup> Expired March 4, 2008

<sup>44</sup> Expired March 3, 2008

<sup>45</sup> Expires January 8, 2012

<sup>46</sup> Expired June 26, 2007

<sup>†</sup> Expired September 10, 2007

<sup>47</sup> Expired September 12, 2007

<sup>48</sup> Expired September 14, 2007

US 5,021,879<sup>50</sup>  
DE 3855114-B<sup>§</sup>  
FR 0290085-B<sup>§</sup>  
GB 0290085-B<sup>§</sup>  
JP 2,630,809-B<sup>51</sup>

US 5,027,206<sup>52</sup>  
AT 131335<sup>†</sup>  
AU 634173-B<sup>!!</sup>  
BE 0359334-B<sup>†</sup>  
CH 0359334-B<sup>†</sup>  
CN 1018695-B<sup>\*</sup>  
DE 68925011-B<sup>†</sup>  
ES 0359334-B<sup>†</sup>  
FI 92127<sup>\*</sup>  
FR 0359334<sup>†</sup>  
GB 0359334-B<sup>†</sup>  
GR 0359334-B<sup>†</sup>  
HK 96-1695-B<sup>†</sup>  
IT 0359334-B<sup>†</sup>  
JP 2,961,131<sup>!!</sup>  
KR 153275  
LI 0359334-B<sup>†</sup>  
LU 0359334<sup>†</sup>  
NL 0359334<sup>†</sup>  
SE 0359334<sup>†</sup>  
SG 9692026<sup>†</sup>

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<sup>49</sup> Expired September 22, 2007

<sup>50</sup> Expired June 3, 2008

<sup>§</sup> Expired April 27, 2010

<sup>51</sup> Expired May 6, 2008

<sup>52</sup> Expired September 12, 2009

<sup>†</sup> Expired September 11, 2009

<sup>!!</sup> Expired September 14, 2009

<sup>\*</sup> Expired September 13, 2009

US 5,128,758<sup>53</sup>  
CA 2,018,031<sup>54</sup>  
JP 2,791,822<sup>55</sup>  
MX 172405-B<sup>56</sup>

US 5,179,442<sup>57</sup>  
CA 2,304,917<sup>58</sup>

US 5,333,135  
CA 2,114,182  
DE 69415698  
FR 0609936  
GB 0609936  
JP 3,464,264  
KR 290326  
MX 185421

US 5,606,539  
AT 157830-B<sup>‡</sup>  
BE 0460751-B<sup>‡</sup>  
DE 69127504-B<sup>‡</sup>  
DK 0460751-B<sup>‡</sup>  
FR 0460751-B<sup>‡</sup>  
GB 0460751-B<sup>‡</sup>  
IT 0460751-B<sup>‡</sup>  
JP 3,162,110<sup>§</sup>  
KR 239837<sup>§</sup>  
NL 0460751-B<sup>‡</sup>  
SE 0460751-B<sup>‡</sup>

US 5,608,697<sup>§</sup>

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<sup>53</sup> Expired July 6, 2009

<sup>54</sup> Expired June 1, 2010

<sup>55</sup> Expired June 2, 2010

<sup>56</sup> Expired June 4, 2010

<sup>57</sup> Expired January 11, 2010

<sup>58</sup> Expired June 1, 2010

<sup>‡</sup> Expired June 3, 2011

<sup>§</sup> Expired June 4, 2011

US 5,699,476<sup>59</sup>  
AU 641726\*  
CA 2,036,585<sup>†</sup>  
DE 69109346.6<sup>§</sup>  
DK 0443676<sup>§</sup>  
FI 101442<sup>†</sup>  
FR 0443676<sup>§</sup>  
GB 0443676<sup>§</sup>  
HK 96-615<sup>§</sup>  
IT 0443676<sup>§</sup>  
JP 3,174,586\*  
NL 0443676<sup>§</sup>  
SE 0443676<sup>§</sup>  
SG 9690467.7<sup>§</sup>

US 5,740,310  
CA 2,043,670<sup>60</sup>  
JP 3,280,999<sup>!!</sup>

US 5,844,867<sup>!!</sup>

US 6,181,712  
JP 3,762,430  
KR 378,718

US 6,792,001  
DE 69531223.5  
FR 0700610  
GB 0700610

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<sup>59</sup> Expired October 18, 2010

\* Expired February 20, 2011

† Expired February 19, 2011

§ Expired February 18, 2011

<sup>60</sup> Expired May 31, 2011

!! Expired June 4, 2011

LG Electronics Inc.

US Re 37,057

US Re 37,568

KR 114,338

Mitsubishi Electric Corporation

US 4,954,892<sup>61</sup>

CA 2,000,156-C<sup>62</sup>

DE 68913508-T2<sup>†</sup>

FR 0382892<sup>†</sup>

GB 0382892<sup>†</sup>

HK 1008133<sup>†</sup>

IT 0382892<sup>†</sup>

JP 2,100,607<sup>63</sup>

KR 58,957<sup>64</sup>

SE 0382892<sup>†</sup>

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<sup>61</sup> Expired October 3, 2009

<sup>62</sup> Expired October 4, 2009

<sup>†</sup> Expired October 5, 2009

<sup>63</sup> Expired February 14, 2009

<sup>64</sup> Expired December 20, 2009

US 5,072,295<sup>‡</sup>  
AU 625476-B2<sup>§</sup>  
CA 2,023,543-C<sup>65</sup>  
DE 69027820-T2<sup>§</sup>  
FI 98421-B\*  
FR 0414193<sup>§</sup>  
GB 0414193<sup>§</sup>  
HK 1008129<sup>§</sup>  
IT 0414193<sup>§</sup>  
JP 2,128,624<sup>66</sup>  
KR 77,808<sup>§</sup>  
NL 0414193<sup>§</sup>  
NO 306749\*  
SE 0414193<sup>§</sup>  
SG 45452<sup>‡</sup>

*US 5,268,846<sup>67</sup>*  
*CA 2,061,128<sup>68</sup>*  
*DE 69232184.5<sup>ℓ</sup>*  
*FR 0508925<sup>ℓ</sup>*  
*GB 0508925<sup>ℓ</sup>*  
*IT MI2001B025860<sup>ℓ</sup>*  
*JP 2,037,728<sup>69</sup>*

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<sup>‡</sup> Expired August 19, 2010  
<sup>§</sup> Expired August 20, 2010  
<sup>65</sup> Expired August 17, 2010  
<sup>\*</sup> Expired August 21, 2010  
<sup>66</sup> Expired August 21, 2009  
<sup>67</sup> Expired April 9, 2011  
<sup>68</sup> Expires February 12, 2012  
<sup>ℓ</sup> Expires February 26, 2012  
<sup>69</sup> Expires January 13, 2012

US 5,949,489  
BE 0984635  
CA 2,234,391  
CH 0984635  
DE 69232993  
DK 984635  
ES 0984635  
FI 117535  
FR 0984635  
GB 0984635  
HK 1025864  
IT 72763 BE 2002  
JP 2,924,431<sup>70</sup>  
JP 3,127,956  
LI 0984635  
NL 0984635  
SE 0984635

US 5,963,258  
BE 0984636  
CA 2,234,387  
CH 0984636  
DE 69233167  
DK 984636  
ES 0984636  
FI 117267  
FR 0984636  
GB 0984636  
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IT 70264 BE 2003  
LI 0984636  
NL 0984636  
SE 0984636  
SG 65597

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<sup>70</sup> Expires April 2, 2012

US 5,970,175  
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FI 117419

US 6,097,759  
BE 1091589  
CA 2,327,489  
CH 1091589  
DE 69233466  
DK 1091589  
ES 2235756  
FI 117417  
FR 1091589  
GB 1091589  
HK 1035289  
IT 1091589  
LI 1091589  
NL 1091589  
NO 310,850  
SE 1091589

US 6,188,794  
BE 0825780  
CH 0825780  
DE 69232077  
DK 0825780  
ES 2163074  
FI 111591  
FR 0825780  
GB 0825780  
HK 1009223  
IT 0825780  
LI 0825780  
NL 0825780  
SE 0825780

US 6,307,973

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US 7,376,184  
US 7,756,202  
US 7,936,817  
DE 69334288.9  
FR 1971130  
GB 1971130  
NL 1971130

JP 1,869,940<sup>71</sup>

JP 2,510,456<sup>72</sup>

JP 2,577,745<sup>73</sup>

*JP 2,814,819*<sup>†</sup>  
*JP 3,019,826*<sup>†</sup>

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<sup>71</sup> Expired March 8, 2005

<sup>72</sup> Expired March 8, 2005

<sup>73</sup> Expired August 19, 2007

<sup>†</sup> Expires February 19, 2012

JP 2,924,430<sup>74</sup>  
CA 2,065,803  
NO 307200  
SG 64870

*JP 3,019,827*<sup>75</sup>

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US 4,958,226<sup>76</sup>  
CA 2,024,135<sup>77</sup>  
DE 69021500.2<sup>§</sup>  
FR 0425089<sup>§</sup>  
GB 0425089<sup>§</sup>  
JP 3,314,929<sup>78</sup>

US 5,227,878<sup>79</sup>  
DE 69233620.6  
FR 0542474  
GB 0542474  
IT 0542474  
JP 3,104,942  
NL 0542474

US 5,500,678

US 5,563,593

Nippon Telegraph and Telephone Corporation

JP 1,939,084<sup>80</sup>

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<sup>74</sup> Expires April 1, 2012

<sup>75</sup> Expires February 19, 2012

<sup>76</sup> Expired September 26, 2009

<sup>77</sup> Expired August 28, 2010

<sup>§</sup> Expired September 19, 2010

<sup>78</sup> Expired September 27, 2010

<sup>79</sup> Expired November 14, 2011

<sup>80</sup> Expired August 5, 2005

JP 2,562,499<sup>81</sup>

Panasonic Corporation\*

US Re 35,910<sup>§</sup>

AU 612543-B2<sup>82</sup>

CA 2,016,523-C<sup>§</sup>

CH 0397402<sup>†</sup>

DE 69027710<sup>†</sup>

ES 2091790<sup>†</sup>

FR 0397402<sup>†</sup>

GB 0397402<sup>†</sup>

IT 0397402<sup>†</sup>

JP 1,949,701<sup>83</sup>

JP 2,695,244<sup>84</sup>

KR 63,477<sup>85</sup>

LI 0397402<sup>†</sup>

NL 0397402<sup>†</sup>

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US Re 36,015<sup>‡</sup>

US Re 36,507<sup>‡</sup>

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<sup>81</sup> Expired May 29, 2009

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

<sup>§</sup> Expired May 10, 2010

<sup>82</sup> Expired April 30, 2010

<sup>†</sup> Expired May 3, 2010

<sup>83</sup> Expired June 26, 2009

<sup>84</sup> Expired June 29, 2009

<sup>85</sup> Expired May 11, 2010

<sup>‡</sup> Expires March 26, 2012

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US Re 39,278  
US Re 39,280  
BE 0541389  
DE 69225863.9  
FR 0541389  
GB 0541389  
NL 0541389  
SE 0541389

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US 5,412,430  
FR 0526163  
GB 0526163  
JP 2,699,703<sup>86</sup>  
NL 0526163

US 5,784,107  
DE 69330903  
FR 599,529  
GB 599,529  
IT 599,529  
JP 2,684,941  
NL 599,529

JP 2,524,044<sup>87</sup>

JP 2,794,899<sup>88</sup>

JP 2,828,095<sup>89</sup>

JP 2,882,161<sup>90</sup>

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<sup>86</sup> Expired July 31, 2011

<sup>87</sup> Expires January 22, 2012

<sup>88</sup> Expired May 8, 2010

<sup>89</sup> Expired June 29, 2009

<sup>90</sup> Expires February 20, 2012

JP 2,899,478

JP 2,938,677

JP 3,186,685<sup>91</sup>

AU 637,289

CA 2,082,280

KR 92,086

JP 3,265,290<sup>‡</sup>

JP 3,548,731<sup>‡</sup>

JP 3,809,117<sup>‡</sup>

JP 3,809,119<sup>‡</sup>

JP 3,809,120<sup>‡</sup>

JP 3,809,121<sup>‡</sup>

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 5,461,421

JP 3,159,853

KR 0166722

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<sup>91</sup> Expired November 8, 2011

<sup>‡</sup> Expired October 11, 2011

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

US 5,467,086  
JP 2,665,127  
KR 166716

US 5,654,706  
DE 69321781  
FR 0580454  
GB 0580454  
HK 1008711  
JP 3,369,422  
JP 3,442,028  
KR 95,631

US 6,680,975  
US 7,609,760  
US 7,616,687

US 7,292,657  
US 7,684,490  
US 7,724,821  
US 7,724,822  
US 7,724,823  
US 7,724,824  
US 7,724,828  
US 7,724,829  
US 7,742,522  
US 7,742,527  
US 7,764,735  
US 7,782,956  
US 7,787,538  
US 7,949,045  
US 7,949,046  
US 7,953,148  
US 7,953,149  
US 7,953,150

*KR 100,718*

KR 132,895

KR 166,715

Sanyo Electric Co., Ltd.

JP 2,812,446<sup>92</sup>

Sharp Corporation

JP 2,951,861<sup>93</sup>

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<sup>92</sup> Expired November 21, 2011

<sup>93</sup> Expired March 10, 2009

Sony Corporation

US Re 37,222<sup>†</sup>

AU 669,983<sup>94</sup>

DE 69031107<sup>†</sup>

DE 69033782<sup>†</sup>

FR 0424026<sup>†</sup>

FR 0713340<sup>†</sup>

GB 0424026<sup>†</sup>

GB 0713340<sup>†</sup>

JP 3,159,310<sup>95</sup>

US 4,864,393<sup>96</sup>

DE 3854171-T2<sup>97</sup>

GB 2205710-B2<sup>98</sup>

KR 141,705

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<sup>†</sup> Expired October 11, 2010

<sup>94</sup> Expired October 12, 2010

<sup>95</sup> Expired October 14, 2009

<sup>96</sup> Expired May 30, 2008

<sup>97</sup> Expired May 19, 2008

<sup>98</sup> Expired December 4, 2007

US 5,191,436<sup>99</sup>  
DE 69127224<sup>‡</sup>  
DE 69132783<sup>‡</sup>  
FR 0456433<sup>‡</sup>  
FR 0730376<sup>‡</sup>  
GB 0456433<sup>‡</sup>  
GB 0730376<sup>‡</sup>  
HK 1,014,415<sup>‡</sup>  
HK 1,023,032<sup>‡</sup>  
JP 2,874,745<sup>†</sup>  
JP 2,877,225<sup>†</sup>  
JP 2,969,782<sup>†</sup>  
KR 221,889<sup>100</sup>

*US 5,291,486*  
*GB 2289194-B2*  
*GB 2289195-B2*  
*JP 3,009,073<sup>101</sup>*  
*SG 97743*

US 5,298,991  
DE 69229153  
FR 0527011  
GB 0527011  
HK 1013570

US 5,343,248  
JP 2,977,104<sup>102</sup>

US 5,428,396

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<sup>99</sup> Expired April 29, 2011

<sup>‡</sup> Expired May 3, 2011

<sup>†</sup> Expired May 9, 2010

<sup>100</sup> Expired May 9, 2011

<sup>101</sup> Expired August 19, 2011

<sup>102</sup> Expired July 26, 2011

US 5,461,420

AU 672812

CN 1,043,945

CN 1,143,545

GB 1,030,523

JP 3,465,660

JP 3,531,594

KR 297,654

US 5,481,553  
AT 185663  
AT 0903944  
AU 673244-B2  
BE 0638218  
BE 0903944  
BF 10108  
BJ 10108  
BR 9404321-1  
CA 2,134,444  
CF 10108  
CG 10108  
CH 0638218  
CH 0903944  
CI 10108  
CM 10108  
CN 1,076,935  
DE 69421135  
DE 69433272  
DK 0638218  
DK 0903944  
EG 20330  
ES 2,137,358  
ES 0903944  
FR 0638218  
FR 0903944  
GA 10108  
GB 0638218  
GB 0903944  
GN 10108  
GR 3,032,133  
GR 20040400044  
GW 10108  
HK 1,013,575  
HU 217744  
IE 0638218  
IE 0903944  
IL 108787

IN 188,824  
IT 0638218  
IT 0903944  
JP 3,593,988  
JP 3,610,578  
KR 287490  
LI 0638218  
LI 0903944  
LU 0638218  
LU 0903944  
MC 0638218  
MC 0903944  
ML 10108  
MR 10108  
MX 197,778  
MY 110794  
NE 10108  
NL 0638218  
NL 0903944  
NZ 261907-B  
PL 173287  
PT 0638218  
PT 0903944  
RU 2,119,727  
SE 0638218  
SE 0903944  
SN 10108  
TD 10108  
TG 10108  
TR 28436-B  
TW 66605-B

US 5,510,840  
AT 0573665  
DE 69227185  
FR 0573665  
GB 0573665  
IT 0573665  
JP 3,331,351  
JP 3,449,370  
KR 260,475  
NL 0573665

US 5,539,466  
AT 0598904  
AT 209422  
AT 224627  
AU 662548-B2  
CA 2,092,295  
DE 69229229  
DE 69232357.0  
DE 69232784.3  
FR 0598904  
FR 0898426  
FR 0907289  
GB 0598904  
GB 1047270  
GB 1049335  
HK 1,032,871  
HK 1,033,059  
IT 0598904  
IT 48140 BE 2002  
IT 52345 BE 2002  
JP 3,381,167  
KR 233,764  
KR 272,812

US 5,543,847  
JP 3,356,413  
JP 3,358,835  
KR 265,193

US 5,559,557  
AU 669209-B2  
CN 1,056,716  
DE 69328472  
ES 2145059  
FR 0614592  
GB 0614592  
HK 1,013,573  
IT 50048 BE/2000  
JP 3,348,310  
JP 3,348,356  
KR 289,586  
NL 0614592

US 5,663,763  
AU 667970  
CA 2,108,704  
CN 1,054,486  
DE 69324993.5  
FR 0595562  
GB 0595562  
IT 0595562  
KR 335,707  
NL 0595562

US 5,666,461  
AT 191598  
AU 670288  
CN 1,053,780  
DE 69328277  
ES 2145031  
FR 0577365  
GB 0577365  
IT 48907 BE/2000  
JP 3,257,052  
KR 345,968  
MY 109,945  
NL 0577365  
TW 70,497

US 5,701,164  
AT 204691  
AU 673,250  
BE 0651574  
CA 2,118,118  
CH 0651574  
CN 94190140.8  
DE 69428019  
DK 0651574  
ES 2159553  
FR 0651574  
GB 0651574  
GR 3037281  
IE 0651574  
IT 50176 BE/2000  
KR 308,099  
LI 0651574  
LU 0651574  
MC 0651574  
NL 0651574  
PT 0651574  
SE 0651574

US 5,946,042  
AU 700,535  
JP 3,614,159

US 5,982,437

US 6,040,863  
JP 3,614,160

US 6,160,849

US 7,627,041

JP 2,712,645<sup>103</sup>  
CA 2,027,659<sup>104</sup>  
KR 233,419<sup>105</sup>

JP 3,257,643

JP 3,496,926<sup>106</sup>

The Trustees of Columbia University in the City of New York

US Re 35,093<sup>107</sup>  
CA 2,096,431-C<sup>†</sup>  
DE 69129595<sup>†</sup>  
DE 69130329<sup>†</sup>  
FR 0564597<sup>†</sup>  
FR 0630157<sup>†</sup>  
GB 0564597<sup>†</sup>  
GB 0630157<sup>†</sup>  
JP 2,746,749<sup>†</sup>

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<sup>103</sup> Expired October 14, 2009  
<sup>104</sup> Expired October 15, 2010  
<sup>105</sup> Expired October 19, 2010  
<sup>106</sup> Expires December 28, 2012  
<sup>107</sup> Expired December 2, 2010  
<sup>†</sup> Expired December 3, 2011

Thomson LicensingUS 4,800,432<sup>108</sup>US 4,969,055<sup>109</sup>AT 46238 E<sup>†</sup>BE 0197126<sup>†</sup>CA 1,285,064<sup>110</sup>CH 0197126<sup>†</sup>DE 3572907<sup>111</sup>DK 166597<sup>†</sup>FI 82166<sup>†</sup>FR 0197126<sup>†</sup>GB 0197126<sup>†</sup>HK 42/91<sup>†</sup>IT 23955 BE 89<sup>†</sup>LI 0197126<sup>†</sup>LU 0197126<sup>†</sup>NL 0197126<sup>†</sup>NO 169419<sup>†</sup>SE 0197126<sup>†</sup>SG 9091016-7<sup>†</sup>*US 5,289,276**CA 2,136,616**CN 1051429C**FI 112147**JP 3,267,620**KR 289559**MX 181083**SG 93764*

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<sup>108</sup> Expired October 23, 2006

<sup>109</sup> Expired November 5, 2007

<sup>†</sup> Expired October 1, 2005

<sup>110</sup> Expired June 18, 2008

<sup>111</sup> Lapsed effective July 4, 2001

*US 5,365,272*

*CA 2,387,254*

*DE 69332916*

*ES 0844792*

*FI 117266*

*FI 117844*

*FR 0844792*

*GB 0844792*

*IT 0844792*

*JP 3,507,766*

*PT 0844792*

*SG 133401*

US 5,381,181  
BR PI 9401963-0  
CN 1087559C  
CN 1236620C  
CN 1253007C  
CN 100488255  
DE 69426711  
ES 2154275  
FR 0624982  
GB 0624982  
HK 1063403  
HK 1063404  
IT 0624982  
JP 3,645,286  
JP 4,201,743  
JP 4,208,089  
JP 4,358,691  
JP 4,379,824  
JP 4,379,826  
JP 4,492,972  
JP 4,553,273  
JP 4,688,235  
JP 4,688,236  
JP 4,753,324  
JP 4,753,325  
KR 338222  
MX 188237  
MY 111265-A  
RU 2,117,411  
SG 73957  
TR 29198  
TW NI-083282

US 5,422,676  
AT 140356 E  
BE 0608231  
CA 2,108,778  
CA 2,328,581  
CH 0608231  
DE 59206755  
ES 2090628 T3  
FR 0608231  
GB 0608231  
HK 2088/96  
IT 25254 BE 96  
JP 3,093,266  
KR 333229  
LI 0608231  
LU 0608231  
NL 0608231  
SG 50678  
  
US 5,442,400

US 5,459,789  
BR PI 9501751-8  
CA 2,145,904  
CN 1,106,745  
CN 1,222,168  
CN 100493168  
DE 69516752  
ES 2145173 T3  
FR 0679030  
GB 0679030  
IT 49759 BE 2000  
JP 3,561,326  
KR 330267  
KR 357506  
MX 186399  
MY 112768-A  
PH 1-1995-50216  
RU 2,154,353  
SG 30349  
TH 17310  
TR 28866  
TW NI-68881  
VN 600<sup>112</sup>

US 5,483,287  
CA 2306971  
CN 1055594  
DE 69333982  
ES 1,263,234  
FR 1,263,234  
GB 1,263,234  
IT 1,263,234  
JP 3,572,067  
KR 284396  
PT 1,263,234  
SG 134972

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<sup>112</sup> Expired April 22, 2009

US 5,565,923  
CN 100515091  
MX 198312  
RU 2,198,469  
SG 117390  
SG 142168

US 5,784,110  
CN 1099808C  
CN 1196331  
JP 4,357,594  
JP 4,648,489  
JP 4,754,648  
JP 4,863,326  
KR 327684  
MY 118734-A  
TW NI-070435

US 7,020,204<sup>113</sup>

US 7,334,248  
CA 2,387,154  
CN 100377594  
HK 1059522  
JP 4,122,370  
JP 4,316,008  
JP 4,404,271  
JP 4,420,298  
JP 4,458,438  
JP 4,475,475  
JP 4,475,476  
JP 4,535,344  
JP 4,582,670  
JP 4,748,623  
JP 4,863,328  
KR 400800

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<sup>113</sup> Expired January 29, 2010

DE 3851068<sup>†</sup>  
FR 0276985<sup>†</sup>  
GB 0276985<sup>†</sup>  
HK 821/96<sup>†</sup>  
IT 0276985<sup>†</sup>  
SG 9690226-7<sup>†</sup>

JP 3,040,410<sup>‡</sup>  
JP 3,469,232<sup>‡</sup>  
KR 135,635

JP 3,258,984<sup>‡</sup>

JP 3,761,525<sup>114</sup>

Toshiba Corporation

US 5,317,397  
JP 2,883,585<sup>\*</sup>

US 5,424,779  
JP 2,755,851<sup>\*</sup>

US 5,467,136  
JP 2,758,378<sup>\*</sup>

US 5,742,344  
JP 2,883,592<sup>\*</sup>

US 5,986,713

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<sup>†</sup> Expired January 26, 2008

<sup>‡</sup> Expired December 30, 2008

<sup>114</sup> Expired December 1, 2008

<sup>\*</sup> Expired October 17, 2011

**Addendum of Patents Removed From Attachment 1**

General Instrument

|    |            |                               |
|----|------------|-------------------------------|
| DE | P3789273.8 | removed as of October 1, 1999 |
| FR | 0266049    | removed as of October 1, 1999 |
| GB | 0266049    | removed as of October 1, 1999 |
| IT | 0266049    | removed as of October 1, 1999 |

JVC KENWOOD Corporation<sup>†</sup>

|    |           |                               |
|----|-----------|-------------------------------|
| DE | 69012405  | removed as of October 1, 1999 |
| FR | 0395440-B | removed as of October 1, 1999 |
| GB | 0395440-B | removed as of October 1, 1999 |
| NL | 0395440-B | removed as of October 1, 1999 |

Sony Corporation

|    |         |                               |
|----|---------|-------------------------------|
| GB | 2289196 | removed as of October 1, 1999 |
| GB | 2259229 | removed as of October 1, 1999 |

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<sup>†</sup> Name change effective October 1, 2011 due to merger of Victor Company of Japan, Limited with JVC KENWOOD Corporation.