

Annex A2 to the DVD Video Player and DVD ROM Player Patent License Agreement

Essential Philips Patents relevant to DVD-Video Players

<i>COUNTRY</i>	<i>REFERENCE</i>	<i>FILING NR</i>	<i>FILING DATE</i>	<i>PUBLICATION NR</i>	<i>GRANT DATE</i>	<i>GRANT NR</i>	<i>EXPIRY DATE</i>	<i>TITLE</i>	
AR	B 033973 -	P960101256	02-Feb-96		18-Dec-03	AR001077	02-Feb-16	Subtitle runlength compression	
AR	N 014746 -	331023	15-Feb-95		27-Jul-00	254412	27-Jul-15	EFM+ channel coding	
AR	N 014752 -	331070	17-Feb-95		21-Nov-01	255358	21-Nov-16	Block format error interleaving	
AR	N 015093 -	334224	14-Nov-95		31-Oct-01	AR000131	14-Nov-15	Disc size on disc	
AR	N 015110 -	P950100339	28-Nov-95		24-Aug-00	AR000492	28-Nov-15	Variable bitrate read-out from buffer	
AT	B 033973 -	96900402.7	26-Jan-96	0754393-A1	05-Apr-00	E191600	26-Jan-16	Subtitle runlength compression	
AT	N 013409 -	91201373.7	03-Jun-91	0460764-A1	03-Sep-97	E157801	03-Jun-11	Video block pointers	
AT	N 014351 -	93203684.1	24-Dec-93	0605924-A3	23-Jun-99	E181614	24-Dec-13	Interlayer crosstalk for Multilayer	
AT	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	E186809	26-May-14	Wide screen signaling	
AT	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	E173110	01-Feb-15	EFM+ channel coding	
AT	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	E195033	14-Feb-15	Block format error interleaving	
AT	N 014986 -	95927046.3	16-Aug-95	0729629-A1	05-Nov-03	E253767	16-Aug-15	Multilayer with spherical aberration control	
AT	N 015087 -	95934799.8	08-Nov-95	0740832-B1	07-Jun-00	E193782	08-Nov-15	Data structure indicator in sector header	
AT	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	E192878	31-Oct-15	Disc size on disc	
AT	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	E202233	16-Nov-15	Variable bitrate read-out from buffer	
AT	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	E188327	12-Dec-15	Subtitle compression (region/subregion)	
AT	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	E213113	12-Jul-16	Subtitle duration	
AT	N 015424 -	96925986.0	02-Aug-96	0784848-A1	22-Oct-03	E252760	02-Aug-16	Path control system for multi-version	
AT	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	E201527	26-Aug-16	DC control for EFM+	
AT	N 015471 -	95938001.5	06-Dec-95	0745255-A1	23-Oct-02	E226750	06-Dec-15	Layer number info on disc	
AT	N 015603 -	96935295.4	21-Nov-96	0811295-A1	10-Oct-01	E206859	21-Nov-16	Multichannel interface via IEC 958 (1)	
AT	N 016384 -	98912649.5	20-Apr-98	0920698-A1	09-Jul-03	E244920	20-Apr-18	Muting when switching audio bit stream IEC958 (1)	
AU	B 033973 -	96-43985	26-Jan-96	96-43985	695626	03-Dec-98	695626	26-Jan-16	Subtitle runlength compression
AU	N 014478 -	94-66570	26-May-94		673436	26-Feb-97	673436	26-May-14	Wide screen signaling
AU	N 014746 -	95-14240	01-Feb-95	95-14240	692822	05-Nov-98	692822	01-Feb-15	EFM+ channel coding

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AU	N 014752 -	95-15449	14-Feb-95	95-15449 689203	09-Jul-98	689203	14-Feb-15	Block format error interleaving
AU	N 015087 -	95-37081	08-Nov-95	95-37081 690751	13-Aug-98	690751	08-Nov-15	Data structure indicator in sector header
AU	N 015093 -	95-36720	31-Oct-95	698869	25-Feb-99	698869	31-Oct-15	Disc size on disc
AU	N 015110 -	95-38134	16-Nov-95	199538134-B203389	08-Jul-99	703389	16-Nov-15	Variable bitrate read-out from buffer
AU	N 015156 -	96-45040	12-Dec-95	199645040 701684	20-May-99	701684	12-Dec-15	Subtitle compression (region/subregion)
AU	N 015424 -	96-66304	02-Aug-96	96-66304 714628	20-Apr-00	714628	02-Aug-16	Path control system for multi-version
AU	N 015452 -	96-66667	26-Aug-96	70391	15-Jul-99	703791	26-Aug-16	DC control for EFM+
BE	B 033752 -	92203478.0	12-Nov-92	0542377-A3	23-Jul-97	0542377	12-Nov-12	Apparatus for reproducing stored sequence items
BE	B 033973 -	96900402.7	26-Jan-96	0754393-A1	05-Apr-00	0754393	26-Jan-16	Subtitle runlength compression
BE	N 013409 -	91201373.7	03-Jun-91	0460764-A1	03-Sep-97	0460764	03-Jun-11	Video block pointers
BE	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling
BE	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
BE	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
BE	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
BE	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
BE	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
BE	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
BE	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
BE	N 016384 -	98912649.5	20-Apr-98	0920698-A1	09-Jul-03	0920698	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
BG	N 014746 -	100774	01-Feb-95		21-Jul-99	62106	01-Feb-15	EFM+ channel coding
BG	N 015093 -	100723	31-Oct-95		30-Jul-99	62105	31-Oct-15	Disc size on disc
BR	B 033973 -	PI9605110.8	26-Jan-96	PI9605110.8	06-Aug-02	PI9605110.8	26-Jan-16	Subtitle runlength compression
BR	N 014746 -	PI9506787.6	01-Feb-95	PI9506787.6	07-Aug-01	PI9506787.6	01-Feb-15	EFM+ channel coding
BR	N 014746 A	PI9510740.1	01-Feb-95	PI9510740.1	10-Mar-09	PI9510740-1	01-Feb-15	EFM+ channel coding
BR	N 014746 B	PI9510741.0	01-Feb-95		27-Apr-04	PI9510741.0	01-Feb-15	EFM+ channel coding
BR	N 015093 -	PI9506626.8	31-Oct-95	PI9506626.8	17-Feb-04	PI9506626.8	31-Oct-15	Disc size on disc
BR	N 015156 -	PI9506773.6	12-Dec-95	PI9506773.6	14-Oct-03	PI9506773.6	12-Dec-15	Subtitle compression (region/subregion)

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BR	N 015424 -	PI9606567.2	02-Aug-96	PI9606567.2	28-Jul-09	PI9606567-2	02-Aug-16	Path control system for multi-version
BR	N 016384 -	PI9804955.0	20-Apr-98	PI9804955	29-Dec-09	PI9804955.0	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
BW	N 014746 -	98-00054	22-Apr-98		01-Dec-99	BW/P/99/00014	22-Apr-18	EFM+ channel coding
BW	N 014752 -	98-00046	21-Apr-98		01-Dec-99	BW/P99/00023	21-Apr-18	Block format error interleaving
BW	N 015452 -	98-00063	22-Apr-98		01-Dec-99	BW/P/99/00022	22-Apr-18	DC control for EFM+
CA	B 033973 -	2187018	26-Jan-96	2187018	18-Oct-05	2187018	26-Jan-16	Subtitle runlength compression
CA	N 013409 -	2043670	31-May-91		08-Jan-02	2043670	31-May-11	Video block pointers
CA	N 014746 -	2183355	01-Feb-95		30-May-06	2183355	01-Feb-15	EFM+ channel coding
CA	N 014746 A	2456968	01-Feb-95		25-Jan-05	2456968	01-Feb-15	EFM+ channel coding
CA	N 014752 -	2160572	14-Feb-95		16-Dec-03	2160572	14-Feb-15	Block format error interleaving
CA	N 015087 -	2181460	08-Nov-95		26-Apr-05	2181460	08-Nov-15	Data structure indicator in sector header
CA	N 015156 -	2183257	12-Dec-95				12-Dec-15	Subtitle compression (region/subregion)
CA	N 015395 -	2200335	12-Jul-96				12-Jul-16	Subtitle duration
CA	N 015424 -	2200346	02-Aug-96		11-Sep-07	2200346	02-Aug-16	Path control system for multi-version
CA	N 015452 -	2205565	26-Aug-96		09-Jan-07	2205565	26-Aug-16	DC control for EFM+
CH	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling
CH	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
CH	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
CH	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
CH	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
CH	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
CH	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
CN	B 033973 -	96190224.8	26-Jan-96	1148927-A	22-Dec-04	96190224.8	26-Jan-16	Subtitle runlength compression
CN	N 014351 -	93121735.0	31-Dec-93	1090668-A	14-Jan-04	93121735.0	31-Dec-13	Interlayer crosstalk for Multilayer
CN	N 014478 -	94190398.2	26-May-94	1111080-A	11-Sep-99	94190398.2	26-May-14	Wide screen signaling
CN	N 014746 A	200310102653.2	01-Feb-95	1722283-A	28-Apr-10	200310102653.2	01-Feb-15	EFM+ channel coding
CN	N 014746 D	200910126177.5	01-Feb-95	101577133-A			01-Feb-15	EFM+ channel coding

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CN	N 014752 -	95190261.X	14-Feb-95	1125994-A	09-Jun-04	95190261.X	14-Feb-15	Block format error interleaving
CN	N 014752 A	02122058.1	14-Feb-95	1389867-A	09-Apr-08	02122058.1	14-Feb-15	Block format error interleaving
CN	N 014752 B	200610095942.8	14-Feb-95	101093701A			14-Feb-15	Block format error interleaving
CN	N 014752 C	200610093455.8	14-Feb-95	101083105-A			14-Feb-15	Block format error interleaving
CN	N 014986 -	95190979.7	16-Aug-95	1136357-A	17-Apr-02	95190979.7	16-Aug-15	Multilayer with spherical aberration control
CN	N 015087 A	200310123905.X	08-Nov-95	1534663-A	02-May-07	200310123905.X	08-Nov-15	Data structure indicator in sector header
CN	N 015093 -	95191258.5	31-Oct-95	1138917-A	25-Dec-02	95191258.5	31-Oct-15	Disc size on disc
CN	N 015110 -	95192153.3	16-Nov-95	1144010-A	11-Sep-02	95192153.3	16-Nov-15	Variable bitrate read-out from buffer
CN	N 015156 A	200410063455.4	12-Dec-95	1585475-A	07-Nov-07	200410063455.4	12-Dec-15	Subtitle compression (region/subregion)
CN	N 015395 -	96190772.X	12-Jul-96	1163688-A	08-Dec-04	96190772.X	12-Jul-16	Subtitle duration
CN	N 015395 A	200410069653.1	12-Jul-96	1574942-A	11-Jul-07	200410069653.1	12-Jul-16	Subtitle duration
CN	N 015395 B	200610084733.3	12-Jul-96	1878280-A	13-Oct-10	200610084733.3	12-Jul-16	Subtitle duration
CN	N 015424 -	96190862.9	02-Aug-96	1492432-A	23-Jun-04	96190862.9	02-Aug-16	Path control system for multi-version
CN	N 015424 B	02130440.8	02-Aug-96		08-Aug-07	02130440.8	02-Aug-16	Path control system for multi-version
CN	N 015424 C	200310117962.7	02-Aug-96	1516166-A	20-Mar-09	200310117962.7	02-Aug-16	Path control system for multi-version
CN	N 015452 -	96191244.8	26-Aug-96	1166225-A	14-Apr-04	96191244.8	26-Aug-16	DC control for EFM+
CN	N 015452 A	02160474.6	26-Aug-96	1516175-A	08-Aug-07	02160474.6	26-Aug-16	DC control for EFM+
CN	N 015452 B	200610101665.7	26-Aug-96	1909097A			26-Aug-16	DC control for EFM+
CN	N 015471 -	95192103.7	06-Dec-95	1144011-A	24-Dec-03	95192103.7	06-Dec-15	Layer number info on disc
CN	N 015603 -	96192855.7	21-Nov-96	1179870-A	18-May-05	96192855.7	21-Nov-16	Multichannel interface via IEC 958 (1)
CN	N 016384 -	98801122.0	20-Apr-98	1236472-A	08-Oct-03	98801122.0	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
CZ	B 033973 -	96-PV2885	26-Jan-96		10-Dec-01	289508	26-Jan-16	Subtitle runlength compression
CZ	N 014478 -	95-PV186	26-May-94		18-Apr-00	286733	26-May-14	Wide screen signaling
CZ	N 014746 -	96-PV2389	01-Feb-95		01-Aug-02	290751	01-Feb-15	EFM+ channel coding
CZ	N 014986 -	96-PV1174	16-Aug-95		14-Dec-01	289539	16-Aug-15	Multilayer with spherical aberration control
CZ	N 015093 -	96-PV2044	31-Oct-95		18-Jun-01	288682	31-Oct-15	Disc size on disc
CZ	N 015110 -	96-PV2167	16-Nov-95		21-May-01	288585	16-Nov-15	Variable bitrate read-out from buffer

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CZ	N 015424 -	97-PV1028	02-Aug-96		10-May-05	295317	02-Aug-16	Path control system for multi-version
DE	B 033752 -	92203478.0	12-Nov-92	0542377-A3	23-Jul-97	69221078.4	12-Nov-12	Apparatus for reproducing stored sequence items
DE	B 033973 -	96900402.7	26-Jan-96	0754393-A1	05-Apr-00	69607529.6	26-Jan-16	Subtitle runlength compression
DE	N 013409 -	91201373.7	03-Jun-91	0460764-A1	03-Sep-97	69127506.8	03-Jun-11	Video block pointers
DE	N 013547 -	91203264.6	12-Dec-91	0496132-A3	19-Mar-97	69125264.5	12-Dec-11	System for Multilayer optical disc
DE	N 013547 A	96202520.1	12-Dec-91	0756273-A1	22-May-02	69133021.2	12-Dec-11	System for Multilayer optical disc
DE	N 013547 B	01204396.4	12-Dec-91	1187116-A1	08-Dec-04	69133432.3	12-Dec-11	System for Multilayer optical disc
DE	N 013547 C	04105807.4	12-Dec-91		09-May-07	69133570.2	12-Dec-11	System for Multilayer optical disc
DE	N 014351 -	93203684.1	24-Dec-93	0605924-A3	23-Jun-99	69325437.8	24-Dec-13	Interlayer crosstalk for Multilayer
DE	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	69421708.5	26-May-14	Wide screen signaling
DE	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	69505794.4	01-Feb-15	EFM+ channel coding
DE	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	69518126.2	14-Feb-15	Block format error interleaving
DE	N 014986 -	95927046.3	16-Aug-95	0729629-A1	05-Nov-03	69532072.6	16-Aug-15	Multilayer with spherical aberration control
DE	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	69517413.4	08-Nov-15	Data structure indicator in sector header
DE	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	69516845.2	31-Oct-15	Disc size on disc
DE	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	69521297.4	16-Nov-15	Variable bitrate read-out from buffer
DE	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	69514212.7	12-Dec-15	Subtitle compression (region/subregion)
DE	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	69619091.5	12-Jul-16	Subtitle duration
DE	N 015424 -	96925986.0	02-Aug-96	0784848-A1	22-Oct-03	69630436.8	02-Aug-16	Path control system for multi-version
DE	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	69612955.8	26-Aug-16	DC control for EFM+
DE	N 015471 -	95938001.5	06-Dec-95	0745255-A1	23-Oct-02	69528636.6	06-Dec-15	Layer number info on disc
DE	N 015603 -	96935295.4	21-Nov-96	0811295-A1	10-Oct-01	69615826.4	21-Nov-16	Multichannel interface via IEC 958 (1)
DE	N 016384 -	98912649.5	20-Apr-98	0920698-A1	09-Jul-03	69816242.0	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
DK	N 013409 -	91201373.7	03-Jun-91	0460764-A1	03-Sep-97	0460764	03-Jun-11	Video block pointers
DK	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling
DK	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
DK	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving

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DK	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
DK	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
DK	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
DK	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
EP	N 013547 C	04105807.4	12-Dec-91	1515320-A1	09-May-07	1515320	12-Dec-11	System for Multilayer optical disc
ES	B 033752 -	92203478.0	12-Nov-92	0542377-A3	23-Jul-97	0542377	12-Nov-12	Apparatus for reproducing stored sequence items
ES	B 033973 -	96900402.7	26-Jan-96	0754393-A1	05-Apr-00	2145991	26-Jan-16	Subtitle runlength compression
ES	N 013409 -	91201373.7	03-Jun-91	0460764-A1	03-Sep-97	0460764	03-Jun-11	Video block pointers
ES	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling
ES	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	2126877	01-Feb-15	EFM+ channel coding
ES	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	2150551	14-Feb-15	Block format error interleaving
ES	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
ES	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
ES	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	2158955	16-Nov-15	Variable bitrate read-out from buffer
ES	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	2143092	12-Dec-15	Subtitle compression (region/subregion)
ES	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
ES	N 015424 -	96925986.0	02-Aug-96	0784848-A1	22-Oct-03	0784848	02-Aug-16	Path control system for multi-version
ES	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
FI	N 014478 -	950322	26-May-94	950322	27-Feb-04	113134	26-May-14	Wide screen signaling
FI	N 014746 -	963151	01-Feb-95		31-Aug-06	117311	01-Feb-15	EFM+ channel coding
FI	N 014746 A	20060169	01-Feb-95		31-Dec-10	121558	01-Feb-15	EFM+ channel coding
FI	N 014746 B	20060170	01-Feb-95		15-Oct-10	121357	01-Feb-15	EFM+ channel coding
FI	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
FR	B 033752 -	92203478.0	12-Nov-92	0542377-A3	23-Jul-97	0542377	12-Nov-12	Apparatus for reproducing stored sequence items
FR	B 033973 -	96900402.7	26-Jan-96	0754393-A1	05-Apr-00	0754393	26-Jan-16	Subtitle runlength compression
FR	N 013409 -	91201373.7	03-Jun-91	0460764-A1	03-Sep-97	0460764	03-Jun-11	Video block pointers
FR	N 013547 -	91203264.6	12-Dec-91	0496132-A3	19-Mar-97	0496132	12-Dec-11	System for Multilayer optical disc

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Essential Philips Patents relevant to DVD-Video Players

<i>COUNTRY</i>	<i>REFERENCE</i>	<i>FILING NR</i>	<i>FILING DATE</i>	<i>PUBLICATION NR</i>	<i>GRANT DATE</i>	<i>GRANT NR</i>	<i>EXPIRY DATE</i>	<i>TITLE</i>
FR	N 013547 A	96202520.1	12-Dec-91	0756273-A1	22-May-02	0756273	12-Dec-11	System for Multilayer optical disc
FR	N 013547 B	01204396.4	12-Dec-91	1187116-A1	08-Dec-04	1187116	12-Dec-11	System for Multilayer optical disc
FR	N 013547 C	04105807.4	12-Dec-91		09-May-07	1515320	12-Dec-11	System for Multilayer optical disc
FR	N 014351 -	93203684.1	24-Dec-93	0605924-A3	23-Jun-99	0605924	24-Dec-13	Interlayer crosstalk for Multilayer
FR	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling
FR	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
FR	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
FR	N 014986 -	95927046.3	16-Aug-95	0729629-A1	05-Nov-03	0729629	16-Aug-15	Multilayer with spherical aberration control
FR	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
FR	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
FR	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
FR	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
FR	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
FR	N 015424 -	96925986.0	02-Aug-96	0784848-A1	22-Oct-03	0784848	02-Aug-16	Path control system for multi-version
FR	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
FR	N 015471 -	95938001.5	06-Dec-95	0745255-A1	23-Oct-02	0745255	06-Dec-15	Layer number info on disc
FR	N 015603 -	96935295.4	21-Nov-96	0811295-A1	10-Oct-01	0811295	21-Nov-16	Multichannel interface via IEC 958 (1)
FR	N 016384 -	98912649.5	20-Apr-98	0920698-A1	09-Jul-03	0920698	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
GB	B 033752 -	92203478.0	12-Nov-92	0542377-A3	23-Jul-97	0542377	12-Nov-12	Apparatus for reproducing stored sequence items
GB	B 033973 -	96900402.7	26-Jan-96	0754393-A1	05-Apr-00	0754393	26-Jan-16	Subtitle runlength compression
GB	N 013409 -	91201373.7	03-Jun-91	0460764-A1	03-Sep-97	0460764	03-Jun-11	Video block pointers
GB	N 013547 -	91203264.6	12-Dec-91	0496132-A3	19-Mar-97	0496132	12-Dec-11	System for Multilayer optical disc
GB	N 013547 A	96202520.1	12-Dec-91	0756273-A1	22-May-02	0756273	12-Dec-11	System for Multilayer optical disc
GB	N 013547 B	01204396.4	12-Dec-91	1187116-A1	08-Dec-04	1187116	12-Dec-11	System for Multilayer optical disc
GB	N 013547 C	04105807.4	12-Dec-91		09-May-07	1515320	12-Dec-11	System for Multilayer optical disc
GB	N 014351 -	93203684.1	24-Dec-93	0605924-A3	23-Jun-99	0605924	24-Dec-13	Interlayer crosstalk for Multilayer
GB	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling

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GB	N 014746	- 95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
GB	N 014752	- 95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
GB	N 014986	- 95927046.3	16-Aug-95	0729629-A1	05-Nov-03	0729629	16-Aug-15	Multilayer with spherical aberration control
GB	N 015087	- 95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
GB	N 015093	- 95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
GB	N 015110	- 95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
GB	N 015156	- 95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
GB	N 015395	- 96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
GB	N 015424	- 96925986.0	02-Aug-96	0784848-A1	22-Oct-03	0784848	02-Aug-16	Path control system for multi-version
GB	N 015452	- 96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
GB	N 015471	- 95938001.5	06-Dec-95	0745255-A1	23-Oct-02	0745255	06-Dec-15	Layer number info on disc
GB	N 015603	- 96935295.4	21-Nov-96	0811295-A1	10-Oct-01	0811295	21-Nov-16	Multichannel interface via IEC 958 (1)
GB	N 016384	- 98912649.5	20-Apr-98	0920698-A1	09-Jul-03	0920698	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
GR	B 033973	- 96900402.7	26-Jan-96	0754393-A1	05-Apr-00	0754393	26-Jan-16	Subtitle runlength compression
GR	N 014746	- 95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
GR	N 014752	- 95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
GR	N 015087	- 95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
GR	N 015093	- 95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
GR	N 015110	- 95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
GR	N 015156	- 95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
GR	N 015395	- 96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
GR	N 015452	- 96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
HK	B 033973	- 98114635.5	26-Jan-96	1013385-A 1013385-B	24-Nov-00	HK1013385	25-Jan-16	Subtitle runlength compression
HK	N 014351	- 98114078.9	24-Dec-93	1012766-A 1012766-A	19-Jan-01	HK1012766	23-Dec-13	Interlayer crosstalk for Multilayer
HK	N 014746	- 98114079.8	01-Feb-95	1012767-B1 1012767-B	31-Mar-00	HK1012767	31-Jan-15	EFM+ channel coding
HK	N 014752	- 98114633.7	14-Feb-95	1013358-A 1013358-B	02-Mar-01	HK1013358	13-Feb-15	Block format error interleaving
HK	N 014986	- 98114664.9	16-Aug-95	1013366-A 1013366-A	09-Jul-04	HK1013366	15-Aug-15	Multilayer with spherical aberration control

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HK	N 015087 -	98114932.5	08-Nov-95	1013719-A 1013719-B	23-Mar-01	HK1013719	07-Nov-15	Data structure indicator in sector header
HK	N 015093 -	98114948.7	31-Oct-95	1013722-A 1013722-A	24-Nov-00	HK1013722	30-Oct-15	Disc size on disc
HK	N 015110 -	98114935.2	16-Nov-95	1013721-A 1013721-A	15-Mar-02	HK1013721	16-Nov-15	Variable bitrate read-out from buffer
HK	N 015424 -	04108380.7	26-Oct-04	1067445	18-Jan-08	HK1067445	26-Oct-24	Path control system for multi-version
HK	N 015452 -	98103966.7	26-Aug-96	1004699-A 1004699-A	17-Dec-04	HK1004699	26-Aug-16	DC control for EFM+
HU	B 033973 -	P9602710	26-Jan-96				26-Jan-16	Subtitle runlength compression
HU	N 014478 -	P9500200	26-May-94		04-Mar-05	223983	26-May-14	Wide screen signaling
HU	N 014746 -	P9602247	01-Feb-95		16-May-02	221085	01-Feb-15	EFM+ channel coding
HU	N 015093 -	P9601955	31-Oct-95		12-Jun-02	221214	31-Oct-15	Disc size on disc
HU	N 015110 -	P9602368	16-Nov-95		12-Nov-98	215622	16-Nov-15	Variable bitrate read-out from buffer
HU	N 015452 -	P9801354	26-Aug-96		23-Jul-02	221391	26-Aug-16	DC control for EFM+
HU	N 015603 -	P9801262	21-Nov-96	9801262			21-Nov-16	Multichannel interface via IEC 958 (1)
HU	N 016384 -	P0001912	20-Apr-98		15-Jul-03	222630	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
ID	B 033973 -	P-960281	05-Feb-96	UNKNOWN	25-Jul-01	ID0006497	05-Feb-16	Subtitle runlength compression
ID	N 014746 -	P-950245	15-Feb-95		20-Jul-00	ID0005313	15-Feb-15	EFM+ channel coding
ID	N 014752 -	P-950251	16-Feb-95		19-Aug-04	ID0010921	16-Feb-15	Block format error interleaving
ID	N 014752 A	P00200400402	16-Feb-95	042897-A	28-Nov-06	ID0018422	16-Feb-15	Block format error interleaving
ID	N 015110 -	P-952501	27-Nov-95		30-Jun-03	ID0011122	27-Nov-15	Variable bitrate read-out from buffer
ID	N 015395 -	P-962077	22-Jul-96		17-Dec-02	ID0009413	22-Jul-16	Subtitle duration
ID	N 015452 -	P-962496	02-Sep-96	016.164A	16-Aug-00	ID0005386	02-Sep-16	DC control for EFM+
IE	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
IE	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
IE	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
IE	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
IE	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
IE	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
IL	B 033973 -	117028	04-Feb-96		28-Oct-99	117028	04-Feb-16	Subtitle runlength compression

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IL	N 015452 -	120740	26-Aug-96		27-Oct-00	120740	26-Aug-16	DC control for EFM+
IN	B 033973 -	159/Cal/96	31-Jan-96		04-Oct-02	187262	31-Jan-16	Subtitle runlength compression
IN	N 014746 B	1578/Cal/98	13-Feb-95		20-Apr-01	184753	13-Feb-15	EFM+ channel coding
IN	N 014746 D	877/CHE/2004	13-Feb-95		23-Jun-08	221406	13-Feb-15	EFM+ channel coding
IN	N 014746 E	878/CHE/2004	13-Feb-95		23-Jun-08	221405	13-Feb-15	EFM+ channel coding
IN	N 014752 A	505/MAS/99	14-Feb-95		12-Dec-05	193791	14-Feb-15	Block format error interleaving
IN	N 015110 -	1488/Cal/95	21-Nov-95	184279	09-Feb-01	184279	21-Nov-15	Variable bitrate read-out from buffer
IN	N 015452 -	1530/Cal/96	28-Aug-96		28-May-04	191592	28-Aug-16	DC control for EFM+
IN	N 015452 A	80/Kol/2003	28-Aug-96				28-Aug-16	DC control for EFM+
IN	N 016384 -	725/Cal/98	24-Apr-98		02-Mar-07	202561	24-Apr-18	Muting when switching audio bit stream IEC958 (1)
IT	B 033752 -	92203478.0	12-Nov-92	0542377-A3	23-Jul-97	0542377	12-Nov-12	Apparatus for reproducing stored sequence items
IT	B 033973 -	96900402.7	26-Jan-96	0754393-A1	05-Apr-00	0754393	26-Jan-16	Subtitle runlength compression
IT	N 013409 -	91201373.7	03-Jun-91	0460764-A1	03-Sep-97	0460764	03-Jun-11	Video block pointers
IT	N 014351 -	93203684.1	24-Dec-93	0605924-A3	23-Jun-99	0605924	24-Dec-13	Interlayer crosstalk for Multilayer
IT	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling
IT	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
IT	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
IT	N 014986 -	95927046.3	16-Aug-95	0729629-A1	05-Nov-03	0729629	16-Aug-15	Multilayer with spherical aberration control
IT	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
IT	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
IT	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
IT	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
IT	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
IT	N 015424 -	96925986.0	02-Aug-96	0784848-A1	22-Oct-03	0784848	02-Aug-16	Path control system for multi-version
IT	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
IT	N 015603 -	96935295.4	21-Nov-96	0811295-A1	10-Oct-01	0811295	21-Nov-16	Multichannel interface via IEC 958 (1)
JP	B 033752 -	92-305304	16-Nov-92	93-325499	21-Jun-02	3320466	16-Nov-12	Apparatus for reproducing stored sequence items

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JP	B 033752 A	02-003246	10-Jan-02	02-288965			16-Nov-12	Apparatus for reproducing stored sequence items
JP	B 033973 -	96-524103	26-Jan-96	98-500273	17-Jun-05	3688297	26-Jan-16	Subtitle runlength compression
JP	N 013409 -	91-159489	04-Jun-91	92-233380	22-Feb-02	3280999	04-Jun-11	Video block pointers
JP	N 013409 A	01-151175	04-Jun-91	02-077794	24-Jan-03	3392834	04-Jun-11	Video block pointers
JP	N 013547 -	91-339181	21-Dec-91	92-301226	14-Sep-00	3110532	21-Dec-11	System for Multilayer optical disc
JP	N 013547 A	99-321703	21-Dec-91	00-137927	16-Nov-07	4040223	21-Dec-11	System for Multilayer optical disc
JP	N 013547 B	07-239438	21-Dec-91		31-Oct-08	4209452	21-Dec-11	System for Multilayer optical disc
JP	N 013547 C	08-234049	21-Dec-91	2008-293659	26-Feb-10	4461243	21-Dec-11	System for Multilayer optical disc
JP	N 014351 -	93-350276	28-Dec-93	94-267110			28-Dec-13	Interlayer crosstalk for Multilayer
JP	N 014746 -	95-521693	01-Feb-95	97-512392	14-Mar-03	3408256	01-Feb-15	EFM+ channel coding
JP	N 014746 B	05-203695	01-Feb-95	06-024356	15-Dec-06	3892020	01-Feb-15	EFM+ channel coding
JP	N 014752 -	95-521698	14-Feb-95	96-509316	24-Jun-05	3691062	14-Feb-15	Block format error interleaving
JP	N 014752 A	04-348053	14-Feb-95	05-129222	21-Sep-07	4014595	14-Feb-15	Block format error interleaving
JP	N 014789 -	95-525542	21-Mar-95	96-511405	29-Aug-03	3467276	21-Mar-15	DC-free channel code
JP	N 014986 -	96-507906	16-Aug-95	02-515157			16-Aug-15	Multilayer with spherical aberration control
JP	N 014986 A	06-249657	16-Aug-95	07-018728			16-Aug-15	Multilayer with spherical aberration control
JP	N 015087 -	96-516712	08-Nov-95	97-507947	08-Sep-06	3850031	08-Nov-15	Data structure indicator in sector header
JP	N 015087 A	06-156822	08-Nov-95	06-277931	17-Oct-08	4201802	08-Nov-15	Data structure indicator in sector header
JP	N 015110 -	96-518520	16-Nov-95	97-509004	21-Apr-06	3794704	16-Nov-15	Variable bitrate read-out from buffer
JP	N 015156 -	96-518541	12-Dec-95	97-509552	23-Feb-07	3918033	12-Dec-15	Subtitle compression (region/subregion)
JP	N 015156 A	06-127068	12-Dec-95	06-287951	14-Aug-09	4358838	12-Dec-15	Subtitle compression (region/subregion)
JP	N 015156 B	07-264491	12-Dec-95	08-079325			12-Dec-15	Subtitle compression (region/subregion)
JP	N 015156 C	10-197229	12-Dec-95				12-Dec-15	Subtitle compression (region/subregion)
JP	N 015395 -	97-506485	12-Jul-96	98-507607	22-Jan-10	4442929	12-Jul-16	Subtitle duration
JP	N 015395 A	07-029641	12-Jul-96	07-228576	22-Jan-10	4443578	12-Jul-16	Subtitle duration
JP	N 015424 -	96-203966	01-Aug-96	97-106631 3617201	19-Nov-04	3617201	01-Aug-16	Path control system for multi-version
JP	N 015424 A	04-274237	01-Aug-96	05-044506			01-Aug-16	Path control system for multi-version

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Essential Philips Patents relevant to DVD-Video Players

<i>COUNTRY</i>	<i>REFERENCE</i>	<i>FILING NR</i>	<i>FILING DATE</i>	<i>PUBLICATION NR</i>	<i>GRANT DATE</i>	<i>GRANT NR</i>	<i>EXPIRY DATE</i>	<i>TITLE</i>
JP	N 015452 -	97-511019	26-Aug-96	98-508456	22-Dec-05	3754080	26-Aug-16	DC control for EFM+
JP	N 015452 A	05-276620	26-Aug-96	06-087127	20-Apr-07	3946230	26-Aug-16	DC control for EFM+
JP	N 015471 -	96-519640	06-Dec-95	97-509776			06-Dec-15	Layer number info on disc
JP	N 015471 A	06-202175	06-Dec-95	07-018694			06-Dec-15	Layer number info on disc
JP	N 015471 B	08-127432	06-Dec-95	08-287861			06-Dec-15	Layer number info on disc
JP	N 015471 C	09-269115	06-Dec-95				06-Dec-15	Layer number info on disc
JP	N 015603 -	97-521104	21-Nov-96	99-500564	20-Jul-07	3986084	21-Nov-16	Multichannel interface via IEC 958 (1)
JP	N 015603 A	06-339470	21-Nov-96	07-109397	13-Jul-07	3983268	21-Nov-16	Multichannel interface via IEC 958 (1)
JP	N 016384 -	98-529418	20-Apr-98	01-505348	19-Feb-10	4460655	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
KR	B 033752 -	92-21409	14-Nov-92		12-Apr-00	260808	14-Nov-12	Apparatus for reproducing stored sequence items
KR	B 033973 -	10-1996-0705635	26-Jan-96	97-0702672	24-Oct-03	404526	26-Jan-16	Subtitle runlength compression
KR	N 013409 -	91-9152	03-Jun-91		02-Dec-99	0245962	03-Jun-11	Video block pointers
KR	N 013547 -	91-23288	18-Dec-91		06-Dec-99	0246282	18-Dec-11	System for Multilayer optical disc
KR	N 013547 A	96-67178	18-Dec-91		31-Jan-00	254150	18-Dec-11	System for Multilayer optical disc
KR	N 014351 -	94-144	04-Jan-94		14-Feb-01	289018	04-Jan-14	Interlayer crosstalk for Multilayer
KR	N 014746 -	96-704550	01-Feb-95	10-1997-0701388	08-Mar-05	0477168	01-Feb-15	EFM+ channel coding
KR	N 014746 A	10-2003-7004922	07-Apr-03	10-2004-0004394	11-Jan-05	0467125	01-Feb-15	EFM+ channel coding
KR	N 014752 -	95-704556	14-Feb-95	96-0702152	28-Nov-02	0364332	14-Feb-15	Block format error interleaving
KR	N 014789 -	95-705575	21-Mar-95	10-1996-0702930	14-Nov-05	10-0529807	21-Mar-15	DC-free channel code
KR	N 014986 -	96-702076	16-Aug-95	10-1996-0706161	19-May-04	0433600	16-Aug-15	Multilayer with spherical aberration control
KR	N 014986 A	10-2002-7016178	28-Nov-02		14-May-03	0385382	16-Aug-15	Multilayer with spherical aberration control
KR	N 015087 -	96-704010	08-Nov-95		09-Jun-03	388370	08-Nov-15	Data structure indicator in sector header
KR	N 015093 -	96-703818	31-Oct-95	97-0700906	01-Dec-03	410711	31-Oct-15	Disc size on disc
KR	N 015110 -	96-704086	16-Nov-95	1997-0700907	23-Dec-02	0367192	16-Nov-15	Variable bitrate read-out from buffer
KR	N 015156 -	96-704513	12-Dec-95		19-May-05	0491771	12-Dec-15	Subtitle compression (region/subregion)
KR	N 015395 -	97-701801	12-Jul-96	10-1997-0706689	06-Aug-04	0444637	12-Jul-16	Subtitle duration
KR	N 015424 -	10-1997-0701581	02-Aug-96	10-1997-0705817	25-Nov-05	0532784	02-Aug-16	Path control system for multi-version

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KR	N 015424 A	10-2005-7006280	02-Aug-96	10-2005-0049542	27-Apr-06	10-0576537	02-Aug-16	Path control system for multi-version
KR	N 015452 -	97-702860	26-Aug-96	10-1997-0707543	02-May-05	0488634	26-Aug-16	DC control for EFM+
KR	N 015471 -	96-704517	06-Dec-95	97-0701413	24-Oct-03	404530	06-Dec-15	Layer number info on disc
KR	N 015603 -	10-1997-0705421	21-Nov-96	98-0702026	02-Dec-04	0461211	21-Nov-16	Multichannel interface via IEC 958 (1)
KR	N 016384 -	10-1999-7000881	20-Apr-98	00-68034	05-Oct-05	0520809	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
LU	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling
LU	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
LU	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
LU	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
LU	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
LU	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
MC	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
MC	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
MC	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
MC	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
MX	N 014746 -	9603394	01-Feb-95		28-Jul-98	189493	01-Feb-15	EFM+ channel coding
MX	N 015087 -	962808	08-Nov-95		17-Dec-01	205654	08-Nov-15	Data structure indicator in sector header
MX	N 015156 -	963393	12-Dec-95		28-Nov-00	199847	12-Dec-15	Subtitle compression (region/subregion)
MX	N 015395 -	1997/002108	12-Jul-96		02-May-03	214263	12-Jul-16	Subtitle duration
MX	N 015424 -	972223	02-Aug-96		18-Jun-08	237821	02-Aug-16	Path control system for multi-version
MX	N 015452 -	973161	26-Aug-96		06-Oct-03	216755	26-Aug-16	DC control for EFM+
MY	B 033973 -	PI9600392	02-Feb-96		30-Sep-03	115792	30-Sep-18	Subtitle runlength compression
MY	N 014746 -	PI9500357	14-Feb-95		30-Apr-01	112136	30-Apr-16	EFM+ channel coding
MY	N 014752 -	PI9500378	15-Feb-95		30-Jun-04	117269	30-Jun-19	Block format error interleaving
MY	N 014986 -	PI95002480	22-Aug-95		30-Jun-06	124229	30-Jun-21	Multilayer with spherical aberration control
MY	N 014986 A	PI20014950	22-Aug-95		29-Jun-07	MY-130309-A	29-Jun-22	Multilayer with spherical aberration control
MY	N 014986 B	PI20014949	22-Aug-95				22-Aug-15	Multilayer with spherical aberration control

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MY	N 015110 -	PI9503634	27-Nov-95		31-Mar-06	121993	31-Mar-21	Variable bitrate read-out from buffer
MY	N 015156 -	PI9503869	14-Dec-95		30-Apr-05	119200	30-Apr-20	Subtitle compression (region/subregion)
MY	N 015395 -	PI9602983	19-Jul-96		28-Feb-06	121602	28-Feb-21	Subtitle duration
MY	N 015424 -	PI9603192	03-Aug-96		28-Jan-06	121216	28-Jan-21	Path control system for multi-version
MY	N 015452 -	PI9603603	29-Aug-96		30-Sep-03	MY-115841-A	30-Sep-18	DC control for EFM+
MY	N 016384 -	PI98002432	01-Jun-98		28-Jan-06	121301-A	28-Jan-21	Muting when switching audio bit stream IEC958 (1)
NL	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling
NL	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
NL	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
NL	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
NL	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
NL	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
NL	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
NL	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
NL	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
NO	N 014478 -	19950262	26-May-94		16-Sep-02	313360	26-May-14	Wide screen signaling
NO	N 014746 -	19963388	01-Feb-95		18-Dec-06	322948	01-Feb-15	EFM+ channel coding
NO	N 014746 A	20043831	01-Feb-95				01-Feb-15	EFM+ channel coding
NO	N 014746 B	20043830	01-Feb-95				01-Feb-15	EFM+ channel coding
NZ	N 014478 -	266012	26-May-94	266012	10-Oct-96	266012	26-May-14	Wide screen signaling
NZ	N 014746 -	278137	01-Feb-95	278137	23-Jun-97	278137	01-Feb-15	EFM+ channel coding
PL	B 033973 -	P316679	26-Jan-96		02-Jun-03	186340	26-Jan-16	Subtitle runlength compression
PL	N 014478 -	P307241	26-May-94		30-Sep-97	173671	26-May-19	Wide screen signaling
PL	N 014746 -	P319407	01-Feb-95		04-Mar-02	192729	01-Feb-15	EFM+ channel coding
PL	N 014746 A	P378756	01-Feb-95				01-Feb-15	EFM+ channel coding
PL	N 014986 -	P314789	16-Aug-95	P314789	18-Aug-00	180658	16-Aug-15	Multilayer with spherical aberration control
PL	N 014986 A	P336669	16-Aug-95		16-Jul-00	180648	16-Aug-15	Multilayer with spherical aberration control

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PL	N 015093 -	P315584	31-Oct-95		29-Jun-00	180182	31-Oct-15	Disc size on disc
PL	N 015110 -	P315686	16-Nov-95		16-Nov-99	178635	16-Nov-15	Variable bitrate read-out from buffer
PL	N 015452 -	P320006	26-Aug-96		18-Oct-02	183099	26-Aug-16	DC control for EFM+
PL	N 015603 -	P321707	21-Nov-96		03-Jul-01	182469	21-Nov-16	Multichannel interface via IEC 958 (1)
PL	N 015603 A	P347873	21-Nov-96		18-Oct-02	183167	21-Nov-16	Multichannel interface via IEC 958 (1)
PT	B 033973 -	96900402.7	26-Jan-96	0754393-A1	05-Apr-00	0754393	26-Jan-16	Subtitle runlength compression
PT	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling
PT	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
PT	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
PT	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
PT	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
PT	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
PT	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
PT	N 015395 -	96921025.1	12-Jul-96	0787404-A1	06-Feb-02	0787404	12-Jul-16	Subtitle duration
PT	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
RO	N 014746 -	96-001653	01-Feb-95		30-Mar-04	119099	01-Feb-15	EFM+ channel coding
RO	N 015093 -	96-01469	31-Oct-95		31-Mar-98	113191	31-Oct-15	Disc size on disc
RU	B 033973 -	9700011	26-Jan-96		25-Jun-98	EA000082	26-Jan-16	Subtitle runlength compression
RU	N 014746 -	96118250	01-Feb-95	33	27-Jul-00	2153707	01-Feb-15	EFM+ channel coding
RU	N 015093 -	96116857	31-Oct-95	96116857	27-Jul-02	2186427	31-Oct-15	Disc size on disc
RU	N 015110 -	96117353	16-Nov-95		10-Jan-01	2161828	16-Nov-15	Variable bitrate read-out from buffer
RU	N 015424 -	97106830	02-Aug-96	97106830-A	10-May-04	2228546	02-Aug-16	Path control system for multi-version
RU	N 015452 -	97108582	26-Aug-96	15	20-Jul-00	2153200	26-Aug-16	DC control for EFM+
SE	B 033973 -	96900402.7	26-Jan-96	0754393-A1	05-Apr-00	0754393	26-Jan-16	Subtitle runlength compression
SE	N 013409 -	91201373.7	03-Jun-91	0460764-A1	03-Sep-97	0460764	03-Jun-11	Video block pointers
SE	N 014351 -	93203684.1	24-Dec-93	0605924-A3	23-Jun-99	0605924	24-Dec-13	Interlayer crosstalk for Multilayer
SE	N 014478 -	94915250.8	26-May-94	0714581-A1	17-Nov-99	0714581	26-May-14	Wide screen signaling

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SE	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	0745254	01-Feb-15	EFM+ channel coding
SE	N 014752 -	95907127.5	14-Feb-95	0698270-A1	26-Jul-00	0698270	14-Feb-15	Block format error interleaving
SE	N 014986 -	95927046.3	16-Aug-95	0729629-A1	05-Nov-03	0729629	16-Aug-15	Multilayer with spherical aberration control
SE	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in sector header
SE	N 015110 -	95936053.8	16-Nov-95	0741900-A1	13-Jun-01	0741900	16-Nov-15	Variable bitrate read-out from buffer
SE	N 015156 -	95943556.1	12-Dec-95	0745307-A1	29-Dec-99	0745307	12-Dec-15	Subtitle compression (region/subregion)
SE	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
SG	B 033973 -	9611564.7	26-Jan-96		25-May-99	34670	26-Jan-16	Subtitle runlength compression
SG	N 014351 -	9607095.8	24-Dec-93	0048111	28-Dec-01	48111	24-Dec-13	Interlayer crosstalk for Multilayer
SG	N 014478 -	9608777.0	26-May-94	0048304	22-Jan-02	48304	26-May-14	Wide screen signaling
SG	N 014752 -	9607077.6	14-Feb-95	0050623-A	24-Dec-01	50623	14-Feb-15	Block format error interleaving
SG	N 014986 -	9700759.5	16-Aug-95		22-Jun-99	37758	16-Aug-15	Multilayer with spherical aberration control
SG	N 015087 -	9702180.2	08-Nov-95		22-Jun-99	41092	08-Nov-15	Data structure indicator in sector header
SG	N 015093 -	9703040.7	31-Oct-95		22-Feb-99	42670	31-Oct-15	Disc size on disc
SG	N 015110 -	9611198.4	16-Nov-95		28-Sep-98	34467	16-Nov-15	Variable bitrate read-out from buffer
SG	N 015395 -	9704506.6	12-Jul-96		19-Dec-00	45664	12-Jul-16	Subtitle duration
SG	N 015424 -	9701248.8	02-Aug-96		17-Jan-02	39073	02-Aug-16	Path control system for multi-version
SG	N 015424 A	9904246.7	02-Aug-96		30-Sep-04	103807	02-Aug-16	Path control system for multi-version
SG	N 015452 -	9703300.5	26-Aug-96		15-Feb-02	44185	26-Aug-16	DC control for EFM+
SG	N 016384 -	9900467.3	20-Apr-98		18-Feb-02	61360	20-Apr-18	Muting when switching audio bit stream IEC958 (1)
SI	N 014746 -	95905746.4	01-Feb-95	0745254-A1	04-Nov-98	9530188	01-Feb-15	EFM+ channel coding
SK	N 014746 -	96-PP1051	01-Feb-95	96-PP1051	19-Nov-03	283798	01-Feb-15	EFM+ channel coding
SK	N 015093 -	96-PP920	31-Oct-95		12-Aug-02	282592	31-Oct-15	Disc size on disc
TH	N 015424 -	032650	02-Aug-96	27257	14-Dec-07	22929	02-Aug-16	Path control system for multi-version
TH	N 015424 A	0701003935	02-Aug-96	94394			02-Aug-16	Path control system for multi-version
TR	B 033973 -	96-00787	26-Jan-96		21-May-02	TR1996/00787	26-Jan-16	Subtitle runlength compression
TR	N 014746 -	95-0136	15-Feb-95		22-Oct-02	29626	15-Feb-15	EFM+ channel coding

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TR	N 014752	- 95-0143	16-Feb-95		03-May-99	29401	16-Feb-15	Block format error interleaving
TR	N 015093	- 95-1446	17-Nov-95		22-Dec-97	TR199501446B	17-Nov-15	Disc size on disc
TW	B 033752	- 81109437	25-Nov-92	223160	12-Aug-94	65774	25-Nov-12	Apparatus for reproducing stored sequence items
TW	N 014351	- 83101489	22-Feb-94		31-Dec-94	67573	22-Feb-14	Interlayer crosstalk for Multilayer
TW	N 014746	- 84101360	15-Feb-95	294862	15-Apr-97	82864	15-Feb-15	EFM+ channel coding
TW	N 014752	- 84101856	28-Feb-95	256904	20-Dec-95	73076	28-Feb-15	Block format error interleaving
TW	N 014789	- 84101322	14-Feb-95	267279	11-Apr-96	75391	14-Feb-15	DC-free channel code
TW	N 014986	- 84110771	13-Oct-95	292389	13-Mar-97	852158	13-Oct-15	Multilayer with spherical aberration control
TW	N 015087	- 84113943	27-Dec-95	292382	13-Mar-97	82165	27-Dec-15	Data structure indicator in sector header
TW	N 015093	- 84113944	27-Dec-95		01-Sep-05	I239004	27-Dec-15	Disc size on disc
TW	N 015110	- 85102221	27-Feb-96	439365	25-Sep-01	NI-133095	27-Feb-16	Variable bitrate read-out from buffer
TW	N 015395	- 84108602	17-Aug-95		03-Apr-97	82652	17-Aug-15	Subtitle duration
TW	N 015424	- 85111151	12-Sep-96	353847	01-Mar-99	NI-101612	12-Sep-16	Path control system for multi-version
TW	N 015452	- 85112032	02-Oct-96	394931	19-Oct-00	116382	02-Oct-16	DC control for EFM+
TW	N 016384	- 87106929	05-May-98	368648	12-Jan-00	106917	05-May-18	Muting when switching audio bit stream IEC958 (1)
UA	N 014746	- 96083269	01-Feb-95		15-Nov-01	42757	01-Feb-15	EFM+ channel coding
UA	N 015093	- 96072883	31-Oct-95		15-Oct-01	42015	31-Oct-15	Disc size on disc
US	B 033752	- 07/976107	13-Nov-92		05-Apr-94	5301172	13-Nov-12	Apparatus for reproducing stored sequence items
US	N 013146	B 08/003345	12-Jan-93		31-Oct-95	5463607	31-Oct-12	Discontinuous reading using buffers
US	N 013547	V 08/299861	01-Sep-94		14-Oct-97	5677903	14-Oct-14	System for Multilayer optical disc
US	N 013547	Y 10/348121	21-Jan-03	2003-0133391-A1	06-Nov-07	7292515	25-Mar-11	System for Multilayer optical disc
US	N 014351	- 08/175331	29-Dec-93		23-Apr-96	5511057	29-Dec-13	Interlayer crosstalk for Multilayer
US	N 014351	W 08/791097	23-Jan-97		26-Jan-99	5864530	29-Dec-13	Interlayer crosstalk for Multilayer
US	N 014351	Y 09/442959	18-Nov-99				29-Dec-13	Interlayer crosstalk for Multilayer
US	N 014746	S 12/435714	08-Feb-95				08-Feb-15	EFM+ channel coding
US	N 014752	B 09/136650	19-Aug-98		04-Apr-00	6047397	16-Feb-15	Block format error interleaving
US	N 014789	- 08/388865	15-Feb-95		24-Jun-97	5642113	15-Feb-15	DC-free channel code

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Essential Philips Patents relevant to DVD-Video Players

<i>COUNTRY</i>	<i>REFERENCE</i>	<i>FILING NR</i>	<i>FILING DATE</i>	<i>PUBLICATION NR</i>	<i>GRANT DATE</i>	<i>GRANT NR</i>	<i>EXPIRY DATE</i>	<i>TITLE</i>
US	N 015087	-	08/558515		06-Jul-99	5920874	16-Nov-15	Data structure indicator in sector header
US	N 015110	A	08/858482				27-Nov-15	Variable bitrate read-out from buffer
US	N 015156	A	10/685245	2004-0075668-A1	12-Jan-10	7647620	13-Dec-15	Subtitle compression (region/subregion)
US	N 015156	R			14-Oct-03		13-Dec-15	Subtitle compression (region/subregion)
US	N 015395	A	10/309588	2003-0117529-A1			18-Aug-15	Subtitle duration
US	N 015424	-	08/692918		31-Jul-96		31-Jul-16	Path control system for multi-version
US	N 015424	A	09/938252		27-Feb-07	7184647	31-Jul-16	Path control system for multi-version
US	N 015452	-	08/706048		30-Aug-96		30-Aug-16	DC control for EFM+
US	N 015471	B	10/614411	2004-0095879-A1	24-Apr-07	7209431	18-Dec-15	Layer number info on disc
US	N 015603	-	08/798198		09-Dec-96		09-Dec-16	Multichannel interface via IEC 958 (1)
US	N 015603	R	10/170822		13-Jun-02		09-Dec-19	Multichannel interface via IEC 958 (1)
US	N 016384	-	09/070214		30-Apr-98	6694030	30-Apr-18	Muting when switching audio bit stream IEC958 (1)
VE	N 015093	-	95-2032		17-Nov-95		17-Nov-15	Disc size on disc
VE	N 015452	-	96-1517		30-Aug-96		30-Aug-16	DC control for EFM+
VN	B 033973	-	S19960234		30-Sep-96		30-Sep-11	Subtitle runlength compression
VN	N 014746	-	S19960099		13-Aug-96		13-Aug-16	EFM+ channel coding
VN	N 014986	-	S19962028T1		23-Aug-94		23-Aug-14	Multilayer with spherical aberration control
VN	N 014986	A	S19962028T2		23-Aug-94		23-Aug-14	Multilayer with spherical aberration control
VN	N 015093	-	S19960035		15-Jul-96		15-Jul-11	Disc size on disc
VN	N 015110	-	S19960064		26-Jul-96		26-Jul-16	Variable bitrate read-out from buffer
VN	N 015424	-	S19970341		02-Aug-96		02-Aug-16	Path control system for multi-version
VN	N 015452	-	S19970327		25-Apr-97		25-Apr-17	DC control for EFM+
VN	N 015603	-	S19970704		21-Nov-96		21-Nov-16	Multichannel interface via IEC 958 (1)
VN	N 016384	-	S19990068		20-Apr-98		20-Apr-18	Muting when switching audio bit stream IEC958 (1)
ZA	B 033973	-	96-0754		31-Jan-96		31-Jan-16	Subtitle runlength compression
ZA	N 014746	-	95-1115		10-Feb-95		10-Feb-15	EFM+ channel coding
ZA	N 014752	-	951194		14-Feb-95		14-Feb-15	Block format error interleaving

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ZA	N 015093 -	959489	08-Nov-95		30-Jul-97	95-9489	08-Nov-15	Disc size on disc
ZA	N 015110 -	95-9939	22-Nov-95		30-Jul-97	95-9939	22-Nov-15	Variable bitrate read-out from buffer
ZA	N 015452 -	967261	27-Aug-96		27-May-98	96/7261	27-Aug-16	DC control for EFM+

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