

## Part of Exhibit E1 to the DVD-Audio Disc Patent License Agreement

Essential PH patents relevant to DVD-Audio Disc / DVD-ROM part

<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	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
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 014950 -	94203621.1	14-Dec-94	0660314-A1	27-Dec-00	E198386	14-Dec-14	Mastering write strategy
AT	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	E192878	31-Oct-15	Disc size on disc
AT	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	E201527	26-Aug-16	DC control for EFM+
AU	N 014746 -	95-14240	01-Feb-95	95-14240 692822	05-Nov-98	692822	01-Feb-15	EFM+ channel coding
AU	N 014752 -	95-15449	14-Feb-95	95-15449 689203	09-Jul-98	689203	14-Feb-15	Block format error interleaving
AU	N 015093 -	95-36720	31-Oct-95	698869	25-Feb-99	698869	31-Oct-15	Disc size on disc
AU	N 015452 -	96-66667	26-Aug-96	70391	15-Jul-99	703791	26-Aug-16	DC control for EFM+
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 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
BE	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
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	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			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
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+

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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 015452 -	2205565	26-Aug-96		09-Jan-07	2205565	26-Aug-16	DC control for EFM+
CA	Q 088053 -	591452	17-Feb-89		20-Jul-93	1320571	20-Jul-10	Affixing readable information on RO-disc
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 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
CN	N 014746 -	95192574.1	01-Feb-95	1155349-A			01-Feb-15	EFM+ channel coding
CN	N 014746 A	200310102653.2	01-Feb-95	1722283-A			01-Feb-15	EFM+ channel coding
CN	N 014752 -	95190261.X	14-Feb-95	1125994-A	09-Jun-04	1153209	14-Feb-15	Block format error interleaving
CN	N 014752 A	02122058.1	14-Feb-95	1389867-A			14-Feb-15	Block format error interleaving
CN	N 014752 B	200610095942.8	14-Feb-95				14-Feb-15	Block format error interleaving
CN	N 014752 C	200610093455.8	14-Feb-95				14-Feb-15	Block format error interleaving
CN	N 014950 -	94120798.6	23-Dec-94	1119323-A	10-Jul-02	1087464	23-Dec-14	Mastering write strategy
CN	N 015093 -	95191258.5	31-Oct-95	1138917-A	25-Dec-02	1097260	31-Oct-15	Disc size on disc
CN	N 015452 -	96191244.8	26-Aug-96	1166225-A	14-Apr-04	1145955	26-Aug-16	DC control for EFM+
CN	N 015452 A	02160474.6	26-Aug-96	1516175-A			26-Aug-16	DC control for EFM+
CN	N 015452 B	200610101665.7	26-Aug-96	1909097A			26-Aug-16	DC control for EFM+
CZ	N 014746 -	96-PV2389	01-Feb-95		01-Aug-02	290751	01-Feb-15	EFM+ channel coding
CZ	N 015093 -	96-PV2044	31-Oct-95		18-Jun-01	288682	31-Oct-15	Disc size on disc
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 014789 -	95910709.5	21-Mar-95	0702827-A1	26-Sep-01	69522880.3	21-Mar-15	DC-free channel code
DE	N 014950 -	94203621.1	14-Dec-94	0660314-A1	27-Dec-00	69426482.2	14-Dec-14	Mastering write strategy
DE	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	69516845.2	31-Oct-15	Disc size on disc
DE	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	69612955.8	26-Aug-16	DC control for EFM+

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DE	Q 088053 -	89102618.9	16-Feb-89	0329122-A1	11-Aug-93	68908201.0	16-Feb-09	Affixing readable information on RO-disc
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
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 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
ES	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
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				01-Feb-15	EFM+ channel coding
FI	N 014746 B	20060170	01-Feb-95				01-Feb-15	EFM+ channel coding
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 014789 -	95910709.5	21-Mar-95	0702827-A1	26-Sep-01	0702827	21-Mar-15	DC-free channel code
FR	N 014950 -	94203621.1	14-Dec-94	0660314-A1	27-Dec-00	0660314	14-Dec-14	Mastering write strategy
FR	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
FR	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
FR	Q 088053 -	89102618.9	16-Feb-89	0329122-A1	11-Aug-93	0329122	16-Feb-09	Affixing readable information on RO-disc
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 014789 -	95910709.5	21-Mar-95	0702827-A1	26-Sep-01	0702827	21-Mar-15	DC-free channel code
GB	N 014950 -	94203621.1	14-Dec-94	0660314-A1	27-Dec-00	0660314	14-Dec-14	Mastering write strategy
GB	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
GB	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
GB	Q 088053 -	89102618.9	16-Feb-89	0329122-A1	11-Aug-93	0329122	16-Feb-09	Affixing readable information on RO-disc
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 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc

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GR	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
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 014789 -	98114634.6	21-Mar-95	1013359-A 1013359-B	12-Apr-02	HK1013359	20-Mar-15	DC-free channel code
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 015452 -	98103966.7	26-Aug-96	1004699-A 1004699-A	17-Dec-04	HK1004699	26-Aug-16	DC control for EFM+
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 015452 -	P9801354	26-Aug-96		23-Jul-02	221391	26-Aug-16	DC control for EFM+
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	UNKNOWN	16-Feb-15	Block format error interleaving
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 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
IL	N 015452 -	120740	26-Aug-96		27-Oct-00	120740	26-Aug-16	DC control for EFM+
IN	N 014746 A	1577/Cal/98	13-Feb-95		27-Jul-01	185349	13-Feb-15	EFM+ channel coding
IN	N 014746 B	1578/Cal/98	13-Feb-95		20-Apr-01	184753	13-Feb-15	EFM+ channel coding
IN	N 014746 C	312/MAS/99	13-Feb-95				13-Feb-15	EFM+ channel coding
IN	N 014746 D	877/CHENP/2004	13-Feb-95				13-Feb-15	EFM+ channel coding
IN	N 014746 E	878/CHE/2004	13-Feb-95				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 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+
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

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IT	N 014789 -	95910709.5	21-Mar-95	0702827-A1	26-Sep-01	0702827	21-Mar-15	DC-free channel code
IT	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
IT	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
IT	Q 088053 -	89102618.9	16-Feb-89	0329122-A1	11-Aug-93	0329122	16-Feb-09	Affixing readable information on RO-disc
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 A	04-348053	14-Feb-95				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 014950 -	94-336413	22-Dec-94	95-320208	29-Jul-05	3703515	22-Dec-14	Mastering write strategy
JP	N 014950 A	05-152186	22-Dec-94				22-Dec-14	Mastering write strategy
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	Q 088053 -	89-38492	20-Feb-89	90-56750	07-Aug-98	2810950	20-Feb-09	Affixing readable information on RO-disc
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 014950 -	1994-0037014	24-Dec-94	95-0020435	29-Aug-03	0397686	24-Dec-14	Mastering write strategy
KR	N 015093 -	96-703818	31-Oct-95	97-0700906	01-Dec-03	410711	31-Oct-15	Disc size on disc
KR	N 015452 -	97-702860	26-Aug-96	10-1997-0707543	02-May-05	0488634	26-Aug-16	DC control for EFM+
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
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
MX	N 014746 -	9603394	01-Feb-95		28-Jul-98	189493	01-Feb-15	EFM+ channel coding
MX	N 015452 -	973161	26-Aug-96		06-Oct-03	216755	26-Aug-16	DC control for EFM+
MY	N 014746 -	PI9500357	14-Feb-95		30-Apr-01	112136	30-Apr-16	EFM+ channel coding

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MY	N 014752 -	PI9500378	15-Feb-95		30-Jun-04	117269	30-Jun-19	Block format error interleaving
MY	N 015452 -	PI9603603	29-Aug-96		30-Sep-03	MY-115841-A	30-Sep-18	DC control for EFM+
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 014950 -	94203621.1	14-Dec-94	0660314-A1	27-Dec-00	0660314	14-Dec-14	Mastering write strategy
NL	N 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
NL	N 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
NL	Q 088053 -	89102618.9	16-Feb-89	0329122-A1	11-Aug-93	0329122	16-Feb-09	Affixing readable information on RO-disc
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 014746 -	278137	01-Feb-95	278137	23-Jun-97	278137	01-Feb-15	EFM+ channel coding
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 015093 -	P315584	31-Oct-95		29-Jun-00	180182	31-Oct-15	Disc size on disc
PL	N 015093 A	P337170	31-Oct-95		03-Jul-00	180307	31-Oct-15	Disc size on disc
PL	N 015452 -	P320006	26-Aug-96		18-Oct-02	183099	26-Aug-16	DC control for EFM+
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 015093 -	95934262.7	31-Oct-95	0740831-A1	10-May-00	0740831	31-Oct-15	Disc size on disc
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 014746 A	01-00059	01-Feb-95		30-Apr-04	119260	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	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 015452 -	97108582	26-Aug-96	15	20-Jul-00	2153200	26-Aug-16	DC control for EFM+

Essential PH patents relevant to DVD-Audio Disc / DVD-ROM part

<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>
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 015452 -	96926545.3	26-Aug-96	0789910-A1	23-May-01	0789910	26-Aug-16	DC control for EFM+
SG	N 014752 -	9607077.6	14-Feb-95	0050623-A	24-Dec-01	50623	14-Feb-15	Block format error interleaving
SG	N 015093 -	9703040.7	31-Oct-95		22-Feb-99	42670	31-Oct-15	Disc size on disc
SG	N 015452 -	9703300.5	26-Aug-96		15-Feb-02	44185	26-Aug-16	DC control for EFM+
SG	Q 088053 -	9691411.4	16-Feb-89		29-Jul-96	32083	16-Feb-09	Affixing readable information on RO-disc
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
TR	N 014746 -	95-0136	15-Feb-95		22-Oct-02	29626	15-Feb-15	EFM+ channel coding
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	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 014950 -	84100644	25-Jan-95	308686	02-Oct-97	87086	25-Jan-15	Mastering write strategy
TW	N 015093 -	84113944	27-Dec-95		01-Sep-05	I239004	27-Dec-15	Disc size on disc
TW	N 015452 -	85112032	02-Oct-96	394931	19-Oct-00	116382	02-Oct-16	DC control for EFM+
TW	Q 088053 -	78101164	17-Feb-89	128103	18-Jun-90	037151	16-Feb-09	Affixing readable information on RO-disc
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	N 006493 D	06/858550	23-Apr-86		26-Nov-91	5068846	26-Nov-08	Read out of optical disc via substrate
US	N 006493 K	90/007336					26-Mar-08	Read out of optical disc via substrate
US	N 014746 -	08/385533	08-Feb-95		09-Dec-97	5696505	08-Feb-15	EFM+ channel coding
US	N 014746 A	08/900275	08-Feb-95		06-Jul-99	5920272	08-Feb-15	EFM+ channel coding
US	N 014746 K	90/006637	09-May-03				09-May-23	EFM+ channel coding

Essential PH patents relevant to DVD-Audio Disc / DVD-ROM part

<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 014746 R	09/899091	08-Feb-95				08-Feb-15	EFM+ channel coding
US	N 014752 -	08/389369	16-Feb-95		17-Nov-98	5838696	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
US	N 014950 A	08/755614	25-Nov-96		04-Aug-98	5790512	22-Dec-14	Mastering write strategy
US	N 015093 -	08/558517	16-Nov-95		14-May-02	6388962	16-Nov-15	Disc size on disc
US	N 015093 C	10/134912	29-Apr-02	2002-0118632-A1	25-Feb-03	6526005	16-Nov-15	Disc size on disc
US	N 015452 -	08/706048	30-Aug-96		04-Aug-98	5790056	30-Aug-16	DC control for EFM+
US	Q 088053 V	07/380676	14-Jul-89		02-Oct-90	4961077	19-Feb-08	Affixing readable information on RO-disc
VE	N 015093 -	95-2032	17-Nov-95		04-Oct-02	57442	17-Nov-15	Disc size on disc
VE	N 015452 -	96-1517	30-Aug-96		07-Oct-02	57944	30-Aug-16	DC control for EFM+
VN	N 014746 -	S19960099	13-Aug-96		25-Oct-00	1407	13-Aug-11	EFM+ channel coding
VN	N 015093 -	S19960035	15-Jul-96		30-Jun-00	1338	15-Jul-11	Disc size on disc
VN	N 015452 -	S19970327	25-Apr-97		27-Nov-00	1598	25-Apr-17	DC control for EFM+
ZA	N 014746 -	95-1115	10-Feb-95		30-Oct-96	95-1115	10-Feb-15	EFM+ channel coding
ZA	N 014752 -	951194	14-Feb-95		30-Oct-96	95-1194	14-Feb-15	Block format error interleaving
ZA	N 015093 -	959489	08-Nov-95		30-Jul-97	95-9489	08-Nov-15	Disc size on disc
ZA	N 015452 -	967261	27-Aug-96		27-May-98	96/7261	27-Aug-16	DC control for EFM+