

## Part of Exhibit E1 + E2 to the DVD-Audio Disc Patent License Agreement

Essential PH patents relevant to DVD-Audio Disc / DVD-Audio 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 016650 -	P980106046	30-Nov-98		29-Nov-05	AR014937	30-Nov-18	Variable rate audio disk header at block start
AR	N 016657 -	P980106045	30-Nov-98		29-Nov-05	AR016426	30-Nov-18	Audio multi-accessible through TOC and file system
AT	D 088009 -	89200081.1	16-Jan-89	0325325-A3	04-Sep-96	E142391	16-Jan-09	Transfer of multiple texts with audio/video
AT	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	E 308790	24-Nov-18	Audio multi-accessible through TOC and file system
AT-EP	N 016194 A	03102217.1	07-Jan-98	1363283-A3			07-Jan-18	Data compression on digital information signals
AT-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
AU	D 088009 -	89-28557	18-Jan-89	639411	06-Dec-93	639411	18-Jan-09	Transfer of multiple texts with audio/video
AU	N 016657 -	99-10497	24-Nov-98	99-10497 762489	09-Oct-03	762489	24-Nov-18	Audio multi-accessible through TOC and file system
BE	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
BE	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
BE-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
BG	N 016657 -	103602	24-Nov-98	103602	30-Mar-04	64242	24-Nov-18	Audio multi-accessible through TOC and file system
BR	N 016650 -	PI9807013.4	24-Nov-98				24-Nov-18	Variable rate audio disk header at block start
BR	N 016657 -	PI9807016.9	24-Nov-98				24-Nov-18	Audio multi-accessible through TOC and file system
BR	N 017216 -	PI9906328.0	02-Mar-99				02-Mar-19	Audio transmission encoding selection
CA	D 088009 -	588304	16-Jan-89		28-Sep-93	1322593	28-Sep-10	Transfer of multiple texts with audio/video
CA	N 016650 -	2278646	24-Nov-98		17-Apr-07	2278646	24-Nov-18	Variable rate audio disk header at block start
CA	N 016657 -	2278642	24-Nov-98		20-Mar-07	2278642	24-Nov-18	Audio multi-accessible through TOC and file system
CA	N 017216 -	2290644	02-Mar-99				02-Mar-19	Audio transmission encoding selection
CH	D 088009 -	89200081.1	16-Jan-89	0325325-A3	04-Sep-96	0325325	16-Jan-09	Transfer of multiple texts with audio/video
CH	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
CH	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
CH-EP	N 016194 A	03102217.1	07-Jan-98	1363283-A3			07-Jan-18	Data compression on digital information signals
CH-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
CN	D 088009 -	89101069.6	19-Jan-89	1035577-A	10-Oct-93	1023265	19-Jan-09	Transfer of multiple texts with audio/video

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CN	D 088009 A	92102717.6	19-Jan-89	1068673-A	01-Jun-94	1025701	19-Jan-09	Transfer of multiple texts with audio/video
CN	N 016194 -	98800034.2	07-Jan-98	1216178-A	28-Apr-04	1148004	07-Jan-18	Data compression on digital information signals
CN	N 016194 A	03140973.3	07-Jan-98	1480940-A			07-Jan-18	Data compression on digital information signals
CN	N 016650 -	98802103.X	24-Nov-98	1244944-A			24-Nov-18	Variable rate audio disk header at block start
CN	N 017216 -	99800722.6	02-Mar-99	1269070-A	14-Jul-04	1157853	02-Mar-19	Audio transmission encoding selection
CZ	D 088009 -	89-PV287	16-Jan-89		21-Dec-98	284768	16-Jan-09	Transfer of multiple texts with audio/video
CZ	N 016657 -	99-PV2685	24-Nov-98				24-Nov-18	Audio multi-accessible through TOC and file system
DE	D 088009 -	89200081.1	16-Jan-89	0325325-A3	04-Sep-96	68927063.1	16-Jan-09	Transfer of multiple texts with audio/video
DE	N 016648 -	98954651.0	23-Nov-98		26-Apr-06	69834317.4	23-Nov-18	Bit rate management for variable rate audio
DE	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	69831396.8	24-Nov-18	Variable rate audio disk header at block start
DE	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	69832151.0	24-Nov-18	Audio multi-accessible through TOC and file system
DE-EP	N 016194 A	03102217.1	07-Jan-98	1363283-A3			07-Jan-18	Data compression on digital information signals
DE-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
DK	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
DK	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
DK-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
ES	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
ES	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
ES-EP	N 016194 A	03102217.1	07-Jan-98	1363283-A3			07-Jan-18	Data compression on digital information signals
ES-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
FR	D 088009 -	89200081.1	16-Jan-89	0325325-A3	04-Sep-96	0325325	16-Jan-09	Transfer of multiple texts with audio/video
FR	N 016648 -	98954651.0	23-Nov-98		26-Apr-06	0956555	23-Nov-18	Bit rate management for variable rate audio
FR	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
FR	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
FR-EP	N 016194 A	03102217.1	07-Jan-98	1363283-A3			07-Jan-18	Data compression on digital information signals
FR-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
GB	D 088009 -	89200081.1	16-Jan-89	0325325-A3	04-Sep-96	0325325	16-Jan-09	Transfer of multiple texts with audio/video

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GB	N 016648 -	98954651.0	23-Nov-98		26-Apr-06	0956555	23-Nov-18	Bit rate management for variable rate audio
GB	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
GB	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
GB-EP	N 016194 A	03102217.1	07-Jan-98	1363283-A3			07-Jan-18	Data compression on digital information signals
GB-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
GR	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
GR	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
GR-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
HK	D 088009 -	98106421.9	16-Jan-89		01-Apr-99	HK1007226	16-Jan-09	Transfer of multiple texts with audio/video
HK	N 016657 -	00102699.0	24-Nov-98	1023835-A	1023835-A13-Jan-06	HK1023835	24-Nov-18	Audio multi-accessible through TOC and file system
HK	N 017216 -	00105211.2	02-Mar-99	1027446-A	1027446-A		02-Mar-19	Audio transmission encoding selection
ID	N 016194 -	W-980078	07-Jan-98		06-Oct-03	UNKNOWN	07-Jan-18	Data compression on digital information signals
ID	N 016650 -	W-990729	24-Nov-98		29-Aug-06	UNKNOWN	24-Nov-18	Variable rate audio disk header at block start
ID	N 016657 -	W-990731	24-Nov-98		27-Dec-02	ID0009496	24-Nov-18	Audio multi-accessible through TOC and file system
IE	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
IE	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
IL	N 016657 -	131098	24-Nov-98		11-Jul-06	131098	24-Nov-18	Audio multi-accessible through TOC and file system
IL	N 017216 -	132964	02-Mar-99		09-Dec-04	132964	02-Mar-19	Audio transmission encoding selection
IN	N 016194 -	2488/Cal/97	31-Dec-97		22-Dec-06	200312	31-Dec-17	Data compression on digital information signals
IN	N 016650 -	2082/Cal/98	26-Nov-98				26-Nov-18	Variable rate audio disk header at block start
IN	N 016650 A	720/kol/2004	26-Nov-98				26-Nov-18	Variable rate audio disk header at block start
IN	N 016657 -	2080/Cal/98	26-Nov-98		09-Feb-07	201648	26-Nov-18	Audio multi-accessible through TOC and file system
IN	N 017216 -	IN/PCT/99/0009402	02-Mar-99				02-Mar-19	Audio transmission encoding selection
IT	D 088009 -	89200081.1	16-Jan-89	0325325-A3	04-Sep-96	0325325	16-Jan-09	Transfer of multiple texts with audio/video
IT	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
IT-EP	N 016194 A	03102217.1	07-Jan-98	1363283-A3			07-Jan-18	Data compression on digital information signals
IT-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection

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JP	D 088009 -	89-8736	19-Jan-89	90-7176	28-Jul-00	3092924	19-Jan-09	Transfer of multiple texts with audio/video
JP	D 088009 A	00-133455	02-May-00	00-331437	10-Mar-06	3779127	19-Jan-09	Transfer of multiple texts with audio/video
JP	D 088009 B	06-005815	02-May-00				19-Jan-09	Transfer of multiple texts with audio/video
JP	N 016194 -	98-529165	07-Jan-98	00-508146	20-Apr-07	3945827	07-Jan-18	Data compression on digital information signals
JP	N 016648 -	99-530432	23-Nov-98	01-510619			23-Nov-18	Bit rate management for variable rate audio
JP	N 016650 -	99-530437	24-Nov-98				24-Nov-18	Variable rate audio disk header at block start
JP	N 016657 -	99-530436	24-Nov-98				24-Nov-18	Audio multi-accessible through TOC and file system
JP	N 017216 -	99-546757	02-Mar-99	01-527735			02-Mar-19	Audio transmission encoding selection
KR	D 088009 -	89-517	19-Jan-89		16-Feb-98	138112	16-Feb-13	Transfer of multiple texts with audio/video
KR	N 016194 -	98-707303	07-Jan-98	00-64612	01-Nov-05	0526942	07-Jan-18	Data compression on digital information signals
KR	N 016650 -	10-1999-700680	24-Nov-98	00-70554	06-063729	216-0637292	24-Nov-18	Variable rate audio disk header at block start
KR	N 016657 -	10-1999-700680	24-Nov-98	00-70557	09-Aug-06	10-0610161	24-Nov-18	Audio multi-accessible through TOC and file system
KR	N 017216 -	10-1999-701062	02-Mar-99	01-12668	18-Jul-06	10-0604363	02-Mar-19	Audio transmission encoding selection
MX	N 016650 -	996859	24-Nov-98		24-May-05	228637	24-Nov-18	Variable rate audio disk header at block start
MX	N 016657 -	996949	24-Nov-98		28-Apr-05	227790	24-Nov-18	Audio multi-accessible through TOC and file system
MY	N 016194 -	PI9800152	14-Jan-98		30-Aug-05	119912-A	30-Aug-20	Data compression on digital information signals
MY	N 016650 -	PI98005386	27-Nov-98					Variable rate audio disk header at block start
MY	N 016657 -	PI9805389	27-Nov-98		30-Jun-06	124655-A	30-Jun-21	Audio multi-accessible through TOC and file system
MY	N 017216 -	PI9901000	17-Mar-99		31-May-06	123270-A	31-May-21	Audio transmission encoding selection
NL	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
NL	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
NL-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
PL	N 016657 -	P335045	24-Nov-98				24-Nov-18	Audio multi-accessible through TOC and file system
PL	N 016657 A	P378475	24-Nov-98				24-Nov-18	Audio multi-accessible through TOC and file system
PT	N 016650 -	98952984.7	24-Nov-98		31-Aug-05	0956559	24-Nov-18	Variable rate audio disk header at block start
PT	N 016657 -	98952981.3	24-Nov-98		02-Nov-05	0956558	24-Nov-18	Audio multi-accessible through TOC and file system
PT-EP	N 016194 A	03102217.1	07-Jan-98	1363283-A3			07-Jan-18	Data compression on digital information signals

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PT-EP	N 017216 -	99903866.4	02-Mar-99	0981862-A1			02-Mar-19	Audio transmission encoding selection
RU	D 088009 -	4613351	17-Jan-89		10-Nov-97	2095857	17-Jan-09	Transfer of multiple texts with audio/video
RU	N 016657 -	99119102	24-Nov-98		10-Mar-06	2271580	24-Nov-18	Audio multi-accessible through TOC and file system
SE	D 088009 -	89200081.1	16-Jan-89	0325325-A3	04-Sep-96	0325325	16-Jan-09	Transfer of multiple texts with audio/video
SG	N 016194 -	9804922.4	07-Jan-98		21-Aug-01	56435	07-Jan-18	Data compression on digital information signals
SG	N 016657 -	9903526.3	24-Nov-98		04-Jan-03	66964	24-Nov-18	Audio multi-accessible through TOC and file system
SG	N 017216 -	9905637.6	02-Mar-99		12-Oct-02	68997	02-Mar-19	Audio transmission encoding selection
SK	D 088009 -	89-PV0287	16-Jan-89		14-Mar-00	280685	16-Jan-09	Transfer of multiple texts with audio/video
TR	N 016650 -	99-01786	24-Nov-98				24-Nov-18	Variable rate audio disk header at block start
TR	N 016657 -	99-01788	24-Nov-98				24-Nov-18	Audio multi-accessible through TOC and file system
TW	D 088009 -	78100300	17-Jan-89		03-Sep-91	47153	17-Jan-09	Transfer of multiple texts with audio/video
TW	N 016194 -	87102116	16-Feb-98	418574	03-May-01	124972	16-Feb-18	Data compression on digital information signals
TW	N 016650 -	87120722	14-Dec-98	541796	31-Oct-03	NI-181048	13-Dec-18	Variable rate audio disk header at block start
TW	N 016657 -	87120529	10-Dec-98	408312	09-Mar-01	122045	10-Dec-18	Audio multi-accessible through TOC and file system
TW	N 017216 -	88103645	10-Mar-99	484284	06-Aug-02	NI-153766	10-Mar-19	Audio transmission encoding selection
UA	D 088009 -	93003372	17-Jan-89		28-Feb-00	26980	17-Jan-09	Transfer of multiple texts with audio/video
US	D 088009 B	08/300002	05-Apr-93		24-Dec-96	5587979	17-Jan-09	Transfer of multiple texts with audio/video
US	N 016194 -	09/007551	15-Jan-98		24-Jul-01	6266368	15-Jan-18	Data compression on digital information signals
US	N 016194 R	10/626427	24-Jul-03				15-Jan-18	Data compression on digital information signals
US	N 016648 -	09/355380	23-Nov-98		20-Nov-01	6320825	23-Nov-18	Bit rate management for variable rate audio
US	N 016650 -	09/341911	24-Nov-98		09-Dec-03	6661762	24-Nov-18	Variable rate audio disk header at block start
US	N 016650 A	10/680458	07-Oct-03		07-Nov-06	7133334	24-Nov-18	Variable rate audio disk header at block start
US	N 016657 -	09/355379	24-Nov-98		05-Mar-02	6353580	24-Nov-18	Audio multi-accessible through TOC and file system
US	N 016657 A	10/039713	29-Oct-01	2002-0064102-A1	27-Mar-07	7196976	24-Nov-18	Audio multi-accessible through TOC and file system
US	N 016657 B	11/682524	06-Mar-07				24-Nov-18	Audio multi-accessible through TOC and file system
US	N 017216 -	09/270440	16-Mar-99		18-Feb-03	6522695	16-Mar-19	Audio transmission encoding selection
US	N 017216 A	10/298975	18-Nov-02		27-Mar-07	7197079	16-Mar-19	Audio transmission encoding selection

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VN	N 016650 -	S19990609	24-Nov-98		07-Dec-04	4684	24-Nov-18	Variable rate audio disk header at block start