

## Exhibit E3 to the DVD+RW/+R Recorder Patent License Agreement

Essential Philips patents relevant to DVD+RW +R Recorder / DVD+RW Video 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 017516 -	P000103204	26-Jun-00		22-Jun-06	AR025182	26-Jun-20	Order of Titles
AR	N 017517 -	P000103206	26-Jun-00		15-Feb-06	AR025184B1	26-Jun-20	Numbering of video objects and cells
AR	N 017518 -	P000103205	26-Jun-00		16-Feb-06	AR025183B1	26-Jun-20	Incomplete streams
AR	N 017522 -	P000103253	28-Jun-00		21-Feb-06	AR024876	28-Jun-20	Data allocation in DVD recording
AT	N 015087 -	95934799.8	08-Nov-95	0740832-B1	07-Jun-00	E193782	08-Nov-15	Data structure indicator in header
AT	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	E347168	21-Jun-20	Order of Titles
AT	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	E341156	23-Jun-20	Numbering of video objects and cells
AT-EP	N 017380 -	00918776.6	09-Mar-00	1082856-A1			09-Mar-20	Controlled one-pass VBR MPEG
AT-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording
AU	N 015087 -	95-37081	08-Nov-95	95-37081 690751	13-Aug-98	690751	08-Nov-15	Data structure indicator in header
AU	N 017191 -	00-17748	05-Nov-99	763462	06-Nov-03	763462	05-Nov-19	One pass recording, dynamic pointers
AU	N 017517 -	00-56860	23-Jun-00	771833	15-Jul-04	771833	23-Jun-20	Numbering of video objects and cells
AU	N 017518 -	00-58200	23-Jun-00	771828	15-Jul-04	771828	23-Jun-20	Incomplete streams
BE	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
BE	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
BE	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
BE-EP	N 017172 -	99962137.8	05-Nov-99	1057184-A1			05-Nov-19	One pass recording, static data
BE-EP	N 017191 -	99960966.2	05-Nov-99	1050049-A1			05-Nov-19	One pass recording, dynamic pointers
BE-EP	N 017380 -	00918776.6	09-Mar-00	1082856-A1			09-Mar-20	Controlled one-pass VBR MPEG
BE-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording
BR	N 017191 -	PI9907016.2	05-Nov-99				05-Nov-19	One pass recording, dynamic pointers
BR	N 017380 -	PI0005551.4	09-Mar-00				09-Mar-20	Controlled one-pass VBR MPEG
BR	N 017516 -	PI0006855.1	21-Jun-00				21-Jun-20	Order of Titles
BR	N 017517 -	PI0006852.7	23-Jun-00				23-Jun-20	Numbering of video objects and cells
BR	N 017518 -	PI0006856.0	23-Jun-00				23-Jun-20	Incomplete streams

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BR	N 017522 -	PI0006866.7	23-Jun-00				23-Jun-20	Data allocation in DVD recording
CA	N 015087 -	2181460	08-Nov-95		26-Apr-05	2181460	08-Nov-15	Data structure indicator in header
CA	N 017191 -	2318120	05-Nov-99				05-Nov-19	One pass recording, dynamic pointers
CA	N 017516 -	2341658	21-Jun-00				21-Jun-20	Order of Titles
CA	N 017517 -	2342137	23-Jun-00				23-Jun-20	Numbering of video objects and cells
CA	N 017518 -	2341493	23-Jun-00				23-Jun-20	Incomplete streams
CA	N 017522 -	2341910	23-Jun-00				23-Jun-20	Data allocation in DVD recording
CH	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
CH	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
CH	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
CH-EP	N 017191 -	99960966.2	05-Nov-99	1050049-A1			05-Nov-19	One pass recording, dynamic pointers
CH-EP	N 017380 -	00918776.6	09-Mar-00	1082856-A1			09-Mar-20	Controlled one-pass VBR MPEG
CN	N 015087 -	95191995.4	08-Nov-95	1143423-A			08-Nov-15	Data structure indicator in header
CN	N 015087 A	200310123905.X	08-Nov-95	1534663-A	02-May-07	1314043	08-Nov-15	Data structure indicator in header
CN	N 017191 -	99804059.2	05-Nov-99	1293815-A	16-Jun-04	99804059.2	05-Nov-19	One pass recording, dynamic pointers
CN	N 017380 -	00800960.0	09-Mar-00	1310922-A			09-Mar-20	Controlled one-pass VBR MPEG
CN	N 017516 -	00801793.X	21-Jun-00	1321317-A	02-May-07	1314048	21-Jun-20	Order of Titles
CN	N 017517 -	00801794.8	23-Jun-00	1321392-A	05-Jan-05	00801794.8	23-Jun-20	Numbering of video objects and cells
CN	N 017518 -	00801797.2	23-Jun-00	1321393-A	18-May-05	00801797.2	23-Jun-20	Incomplete streams
CN	N 017522 -	00801847.2	23-Jun-00	1321318-A			23-Jun-20	Data allocation in DVD recording
CY	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
CY	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
CZ	N 017516 -	01-PV693	21-Jun-00				21-Jun-20	Order of Titles
CZ	N 017518 -	01-PV691	23-Jun-00		11-Aug-06	297186	23-Jun-20	Incomplete streams
DE	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	69517413.4	08-Nov-15	Data structure indicator in header
DE	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	60032105.3	21-Jun-20	Order of Titles
DE	N 017517 -	00942133.0	23-Jun-00	60030944-T2	27-Sep-06	60030944.4	23-Jun-20	Numbering of video objects and cells

Essential Philips patents relevant to DVD+RW +R Recorder / DVD+RW Video part

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DE	N 017518 -	00943889.6	23-Jun-00		01-Feb-06	60025828.9	23-Jun-20	Incomplete streams
DE-EP	N 017172 -	99962137.8	05-Nov-99	1057184-A1			05-Nov-19	One pass recording, static data
DE-EP	N 017191 -	99960966.2	05-Nov-99	1050049-A1			05-Nov-19	One pass recording, dynamic pointers
DE-EP	N 017380 -	00918776.6	09-Mar-00	1082856-A1			09-Mar-20	Controlled one-pass VBR MPEG
DE-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording
DK	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
DK	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
DK	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
EG	N 017522 -	00-849	28-Jun-00		08-Jan-03	22391	27-Jun-20	Data allocation in DVD recording
EP	N 017517 A	06117309.2	23-Jun-00	1708199-A2			23-Jun-20	Numbering of video objects and cells
ES	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
ES	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
ES	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
ES-EP	N 017172 -	99962137.8	05-Nov-99	1057184-A1			05-Nov-19	One pass recording, static data
ES-EP	N 017191 -	99960966.2	05-Nov-99	1050049-A1			05-Nov-19	One pass recording, dynamic pointers
ES-EP	N 017380 -	00918776.6	09-Mar-00	1082856-A1			09-Mar-20	Controlled one-pass VBR MPEG
ES-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording
FI	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
FI	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
FR	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
FR	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
FR	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
FR	N 017518 -	00943889.6	23-Jun-00		01-Feb-06	1108328	23-Jun-20	Incomplete streams
FR-EP	N 017172 -	99962137.8	05-Nov-99	1057184-A1			05-Nov-19	One pass recording, static data
FR-EP	N 017191 -	99960966.2	05-Nov-99	1050049-A1			05-Nov-19	One pass recording, dynamic pointers
FR-EP	N 017380 -	00918776.6	09-Mar-00	1082856-A1			09-Mar-20	Controlled one-pass VBR MPEG
FR-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording

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GB	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
GB	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
GB	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
GB	N 017518 -	00943889.6	23-Jun-00		01-Feb-06	1108328	23-Jun-20	Incomplete streams
GB-EP	N 017172 -	99962137.8	05-Nov-99	1057184-A1			05-Nov-19	One pass recording, static data
GB-EP	N 017191 -	99960966.2	05-Nov-99	1050049-A1			05-Nov-19	One pass recording, dynamic pointers
GB-EP	N 017380 -	00918776.6	09-Mar-00	1082856-A1			09-Mar-20	Controlled one-pass VBR MPEG
GB-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording
GR	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
GR	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
GR	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
GR-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording
HK	N 015087 -	98114932.5	08-Nov-95	1013719-A 1013719-B	23-Mar-01	HK1013719	07-Nov-15	Data structure indicator in header
HK	N 017172 -	01103608.7	05-Nov-99	1033026-A 1033026-A			05-Nov-19	One pass recording, static data
HK	N 017191 -	01103159.0	05-Nov-99	1033383-A 1033383-A			05-Nov-19	One pass recording, dynamic pointers
HK	N 017380 -	01106003.1	09-Mar-00	1037442-A 1037442-A			09-Mar-20	Controlled one-pass VBR MPEG
HU	N 017516 -	P0103983	21-Jun-00	P0103983 P0103983	27-Feb-06	224951	21-Jun-20	Order of Titles
HU	N 017517 -	P0103739	23-Jun-00				23-Jun-20	Numbering of video objects and cells
HU	N 017518 -	P0103952	23-Jun-00	P0103952	07-Aug-06	224998	23-Jun-20	Incomplete streams
HU	N 017522 -	P01-04048	23-Jun-00	P01-04048 P01-04048			23-Jun-20	Data allocation in DVD recording
ID	N 017191 -	W-20001362	05-Nov-99	026867-A	12-Jun-03	ID0010894	05-Nov-19	One pass recording, dynamic pointers
ID	N 017380 -	W-002429	09-Mar-00	029.541 A			09-Mar-20	Controlled one-pass VBR MPEG
ID	N 017516 -	W-0100435	21-Jun-00	029100-A			21-Jun-20	Order of Titles
ID	N 017517 -	W-0100436	23-Jun-00	030177-A	13-Jan-06	ID0016902	23-Jun-20	Numbering of video objects and cells
ID	N 017518 -	W-00200100368	23-Jun-00	028.882 A	24-Feb-06	ID0017033	23-Jun-20	Incomplete streams
ID	N 017522 -	W-0100467	23-Jun-00	029.392 A			23-Jun-20	Data allocation in DVD recording
IE	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header

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IE	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
IE	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
IE-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording
IL	N 017191 -	137284	05-Nov-99	137284	13-Aug-04	137284	05-Nov-19	One pass recording, dynamic pointers
IL	N 017516 -	141620	21-Jun-00				21-Jun-20	Order of Titles
IL	N 017517 -	141585	23-Jun-00		21-Feb-06	141585	23-Jun-20	Numbering of video objects and cells
IL	N 017518 -	141619	23-Jun-00		21-Feb-06	141619	23-Jun-20	Incomplete streams
IL	N 017522 -	141643	23-Jun-00				23-Jun-20	Data allocation in DVD recording
IN	N 017191 -	IN/PCT/00/0018805	05-Nov-99				05-Nov-19	One pass recording, dynamic pointers
IN	N 017191 A	1393/CHE/2005	05-Nov-99				05-Nov-19	One pass recording, dynamic pointers
IN	N 017380 -	IN/PCT/00/0072309	09-Mar-00		16-Oct-06	202343	09-Mar-20	Controlled one-pass VBR MPEG
IN	N 017516 -	IN/PCT/01/0025821	21-Jun-00				21-Jun-20	Order of Titles
IN	N 017517 -	IN/PCT/01/0025923	21-Jun-00				23-Jun-20	Numbering of video objects and cells
IN	N 017518 -	IN/PCT/01/0026023	21-Jun-00				23-Jun-20	Incomplete streams
IN	N 017522 -	IN/PCT/01/0027423	21-Jun-00				23-Jun-20	Data allocation in DVD recording
IT	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
IT	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
IT	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
IT-EP	N 017172 -	99962137.8	05-Nov-99	1057184-A1			05-Nov-19	One pass recording, static data
IT-EP	N 017191 -	99960966.2	05-Nov-99	1050049-A1			05-Nov-19	One pass recording, dynamic pointers
IT-EP	N 017380 -	00918776.6	09-Mar-00	1082856-A1			09-Mar-20	Controlled one-pass VBR MPEG
IT-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording
JP	N 015087 -	96-516712	08-Nov-95	97-507947	08-Sep-06	3850031	08-Nov-15	Data structure indicator in header
JP	N 015087 A	06-156822	08-Nov-95				08-Nov-15	Data structure indicator in header
JP	N 017172 -	00-583036	05-Nov-99				05-Nov-19	One pass recording, static data
JP	N 017191 -	00-583037	05-Nov-99				05-Nov-19	One pass recording, dynamic pointers
JP	N 017380 -	00-608620	09-Mar-00				09-Mar-20	Controlled one-pass VBR MPEG

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JP	N 017516 -	01-506550	21-Jun-00				21-Jun-20	Order of Titles
JP	N 017517 -	01-506228	23-Jun-00				23-Jun-20	Numbering of video objects and cells
JP	N 017518 -	01-506227	23-Jun-00				23-Jun-20	Incomplete streams
JP	N 017522 -	01-506551	23-Jun-00				23-Jun-20	Data allocation in DVD recording
KR	N 015087 -	96-704010	08-Nov-95		09-Jun-03	388370	08-Nov-15	Data structure indicator in header
KR	N 017172 -	10-2000-700781	205-Nov-99	01-34180	18-May-06	10-583358	05-Nov-19	One pass recording, static data
KR	N 017191 -	10-2000-700781	105-Nov-99	01-34179	18-May-06	10-0583357	05-Nov-19	One pass recording, dynamic pointers
KR	N 017380 -	10-2000-701321	1709-Mar-00	01-25105			09-Mar-20	Controlled one-pass VBR MPEG
KR	N 017516 -	10-2001-700225	321-Jun-00	10-2001-0072854	29-Jan-07	10-0678451	21-Jun-20	Order of Titles
KR	N 017517 -	10-2001-700225	223-Jun-00	01-0072853	20-Apr-07	10-0712105	23-Jun-20	Numbering of video objects and cells
KR	N 017518 -	10-2001-700225	123-Jun-00	01-0072852	24-Jul-06	10-0606868	23-Jun-20	Incomplete streams
KR	N 017522 -	10-2001-700241	1323-Jun-00	01-0072969	24-Jul-06	10-0606869	23-Jun-20	Data allocation in DVD recording
LI	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222		Order of Titles
LI	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327		Numbering of video objects and cells
LU	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
LU	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
LU	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
MC	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
MC	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
MC	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
MX	N 015087 -	962808	08-Nov-95		17-Dec-01	205654	08-Nov-15	Data structure indicator in header
MX	N 017516 -	01-002074	21-Jun-00				21-Jun-20	Order of Titles
MX	N 017517 -	01-002072	23-Jun-00				23-Jun-20	Numbering of video objects and cells
MX	N 017518 -	01-001965	23-Jun-00				23-Jun-20	Incomplete streams
MX	N 017522 -	01-002070	23-Jun-00				23-Jun-20	Data allocation in DVD recording
MY	N 017172 -	PI9904933	12-Nov-99		30-Aug-06	125630A	30-Aug-21	One pass recording, static data
MY	N 017380 -	PI20001144	23-Mar-00		31-May-06	MY-123505-A	31-May-21	Controlled one-pass VBR MPEG

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MY	N 017516 -	PI20002826	22-Jun-00		31-Jan-07	128211-A	31-Jan-22	Order of Titles
MY	N 017517 -	PI20002862	23-Jun-00					Numbering of video objects and cells
MY	N 017518 -	PI20002860	23-Jun-00		31-Jul-06	125087	31-Jul-21	Incomplete streams
MY	N 017522 -	PI20002884	27-Jun-00					Data allocation in DVD recording
NL	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
NL	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
NL	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
NL-EP	N 017191 -	99960966.2	05-Nov-99	1050049-A1			05-Nov-19	One pass recording, dynamic pointers
NL-EP	N 017380 -	00918776.6	09-Mar-00	1082856-A1			09-Mar-20	Controlled one-pass VBR MPEG
NL-EP	N 017522 -	00947879.3	23-Jun-00	1110223-A1			23-Jun-20	Data allocation in DVD recording
PL	N 017516 -	P346264	21-Jun-00				21-Jun-20	Order of Titles
PL	N 017517 -	P346279	23-Jun-00				23-Jun-15	Numbering of video objects and cells
PL	N 017518 -	P346241	23-Jun-00				23-Jun-15	Incomplete streams
PL	N 017522 -	P346334	23-Jun-00				23-Jun-15	Data allocation in DVD recording
PT	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
PT	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
PT	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
RU	N 017516 -	2001107839	21-Jun-00		27-Dec-05	2267172	21-Jun-20	Order of Titles
RU	N 017517 -	2001107849	23-Jun-00		27-Apr-06	2275752	23-Jun-20	Numbering of video objects and cells
RU	N 017518 -	2001107837	23-Jun-00		10-Dec-05	2265963	23-Jun-20	Incomplete streams
RU	N 017522 -	2001108363	23-Jun-00		10-Jan-06	2267822	23-Jun-20	Data allocation in DVD recording
SE	N 015087 -	95934799.8	08-Nov-95	0740832-A1	07-Jun-00	0740832	08-Nov-15	Data structure indicator in header
SE	N 017516 -	00943846.6	21-Jun-00		29-Nov-06	1110222	21-Jun-20	Order of Titles
SE	N 017517 -	00942133.0	23-Jun-00		27-Sep-06	1108327	23-Jun-20	Numbering of video objects and cells
SG	N 015087 -	9702180.2	08-Nov-95		22-Jun-99	41092	08-Nov-15	Data structure indicator in header
SG	N 017172 -	200003930.5	05-Nov-99		02-Oct-02	74787	05-Nov-19	One pass recording, static data
SG	N 017380 -	200006886.6	09-Mar-00		31-Oct-03	77750	09-Mar-20	Controlled one-pass VBR MPEG

Essential Philips patents relevant to DVD+RW +R Recorder / DVD+RW Video 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>
TH	N 017517 -	058521	23-Jun-00	49598			23-Jun-20	Numbering of video objects and cells
TH	N 017522 -	058549	26-Jun-00	49599			26-Jun-20	Data allocation in DVD recording
TR	N 017517 -	01-00641	23-Jun-00		23-Feb-04	000641B	23-Jun-20	Numbering of video objects and cells
TR	N 017518 -	01-00568	23-Jun-00		22-Mar-04	00568	23-Jun-20	Incomplete streams
TR	N 017522 -	01-00602	23-Jun-00	2001-00602	23-Jan-06	2001-00602	23-Jun-20	Data allocation in DVD recording
TW	N 015087 -	84113943	27-Dec-95	292382	13-Mar-97	82165	27-Dec-15	Data structure indicator in header
TW	N 017172 -	088123277	30-Dec-99	455849	25-Jan-02	141903	29-Dec-19	One pass recording, static data
TW	N 017191 -	088121445	08-Dec-99	459217	01-Feb-02	142224	07-Dec-19	One pass recording, dynamic pointers
TW	N 017380 -	089102701	17-Feb-00	477152	06-Jun-02	150584	16-Feb-20	Controlled one-pass VBR MPEG
TW	N 017516 -	089116167	11-Aug-00	472240	07-May-02	148739	11-Aug-20	Order of Titles
TW	N 017517 -	089116164	11-Aug-00	488160	05-Sep-02	NI-155544	11-Aug-20	Numbering of video objects and cells
TW	N 017518 -	089116165	11-Aug-00	548976	16-Dec-03	183718	11-Aug-20	Incomplete streams
TW	N 017522 -	089116009	09-Aug-00	513701	17-Apr-03	NI-168501	08-Aug-20	Data allocation in DVD recording
US	N 015087 -	08/558515	16-Nov-95		06-Jul-99	5920874	16-Nov-15	Data structure indicator in header
US	N 017172 -	09/439198	12-Nov-99		23-Apr-02	6377518	12-Nov-19	One pass recording, static data
US	N 017172 A	10/061179	01-Feb-02	2002-0131767-A1	03-Apr-07	7200073	12-Nov-19	One pass recording, static data
US	N 017191 -	09/439197	12-Nov-99	2003-0044163-A1	12-Nov-02	6480666	12-Nov-19	One pass recording, dynamic pointers
US	N 017191 A	10/270399	11-Oct-02		08-Jun-04	6748159	12-Nov-19	One pass recording, dynamic pointers
US	N 017191 B	10/738555	16-Dec-03	2003-0131332-A1	16-Oct-07	7283723	12-Nov-19	One pass recording, dynamic pointers
US	N 017380 -	09/534219	24-Mar-00		28-Sep-04	6798978	24-Mar-20	Controlled one-pass VBR MPEG
US	N 017380 A	10/881229	30-Jun-04	2005-0053363-A1			24-Mar-20	Controlled one-pass VBR MPEG
US	N 017516 -	09/763442	21-Jun-00				21-Jun-20	Order of Titles
US	N 017517 -	09/763301	23-Jun-00		15-Nov-05	6965729	15-Sep-22	Numbering of video objects and cells
US	N 017517 A	11/244681	06-Oct-05	2006-0039683-A1			23-Jun-20	Numbering of video objects and cells
US	N 017518 -	09/763440	23-Jun-00		27-Feb-07	7184648	23-Jun-20	Incomplete streams
US	N 017522 -	09/763439	23-Jun-00		18-Oct-05	6957009	17-Feb-23	Data allocation in DVD recording
US	N 017522 B	11/233124	22-Sep-05	2006-0093334-A1			23-Jun-20	Data allocation in DVD recording



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VN	N 017191 -	S20000662	05-Nov-99		04-Dec-03	3970	05-Nov-19	One pass recording, dynamic pointers
ZA	N 017191 -	003527	05-Nov-99		28-Nov-01	2000/3527	05-Nov-19	One pass recording, dynamic pointers