

Annex A to the Patent License Agreement for the use of AC-3 technology in the manufacture of DVD-Video Recorders

Essential Philips, France Telecom and IRT patents relevant to DVD-Video Recorders / AC-3 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 013241 -	317015	04-Jun-90		11-Oct-96	250211	11-Oct-11	Universal subband coder format
AT	IRT-PCT -	WO 87-00723	20-Nov-87	WO 88.04117		66.553	20-Nov-07	Subband coded audio signals transmission
AT	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	E114862	29-May-10	Universal subband coder format
AT	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	E211329	29-May-10	Universal subband coder format
AT	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	E206253	29-May-10	Universal subband coder format
AT	N 013241 D	96200046.9	29-May-90	0708533-A3	26-Sep-01	E206254	29-May-10	Universal subband coder format
AT	N 013241 F	99202037.0	29-May-90		25-Oct-06	E343873	29-May-10	Universal subband coder format
AT-EP	N 013241 G	05103587.1	29-May-90	1587219-A2			29-May-10	Universal subband coder format
AU	N 013241 -	90-56159	31-May-90	90-56159 641654	25-Jan-94	641654	31-May-10	Universal subband coder format
BA	N 013241 -	BAP97269A	31-May-90		13-Oct-04	BAP97269A	31-May-10	Universal subband coder format
BE	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	0402973	29-May-10	Universal subband coder format
BE	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	0599824	29-May-10	Universal subband coder format
BE	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	0599825	29-May-10	Universal subband coder format
BE	N 013241 D	96200046.9	29-May-90	0708533-A3	26-Sep-01	0708533	29-May-10	Universal subband coder format
BE	N 013241 F	99202037.0	29-May-90		25-Oct-06	0949763	29-May-10	Universal subband coder format
BE-EP	N 013241 G	05103587.1	29-May-90	1587219-A2			29-May-10	Universal subband coder format
BR	N 013241 -	PI9002617.9	01-Jun-90	PI9002617	25-Jul-95	PI9002617	01-Jun-10	Universal subband coder format
CA	N 013241 -	2017935	30-May-90		22-Oct-02	2017935	30-May-10	Universal subband coder format
CA	N 013241 A	2363045	30-May-90		16-Nov-04	2363045	30-May-10	Universal subband coder format
CA	N 013241 B	2475414	30-May-90				30-May-10	Universal subband coder format
CH	IRT-PCT -	WO 87-00723	20-Nov-87	WO 88.04117		0.290.581	20-Nov-07	Subband coded audio signals transmission
CH	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	0402973	29-May-10	Universal subband coder format
CH	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	0599824	29-May-10	Universal subband coder format
CH	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	0599825	29-May-10	Universal subband coder format
CH	N 013241 D	96200046.9	29-May-90	0708533-A3	26-Sep-01	0708533	29-May-10	Universal subband coder format

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CH	N 013241	F	99202037.0		29-May-90				
						25-Oct-06	0949763	29-May-10	Universal subband coder format
CH-EP	N 013241	G	05103587.1		29-May-90	1587219-A2		29-May-10	Universal subband coder format
CN	N 013241	-	90103226.3		30-May-90	1048473-A			
						15-Oct-95	90103226.3	30-May-10	Universal subband coder format
CN	N 013241	A	94103143.8		30-May-90	1096619-A		30-May-10	Universal subband coder format
CN	N 013241	B	94103142.X		30-May-90	1096618-A			
						12-May-04	94103142.X	30-May-10	Universal subband coder format
CZ	N 013241	-	90-PV2678		30-May-90				
						10-Mar-98	283598	30-May-10	Universal subband coder format
DE	IRT-PCT	-	DE 36.39.753		21-Nov-86	36.39.753			
							36.39.753	20-Nov-07	Subband coded audio signals transmission
DE	IRT-PCT	-	WO 87-00723		20-Nov-87	WO 88.04117			
							37.72.381	20-Nov-07	Subband coded audio signals using scale factors
DE	N 013241	-	90201356.4		29-May-90	0402973-A1			
							69014422.9	29-May-10	Universal subband coder format
DE	N 013241	A	94200239.5		29-May-90	0599824-A3			
							69033882.1	29-May-10	Universal subband coder format
DE	N 013241	B	94200240.3		29-May-90	0599825-A3			
							69033811.2	29-May-10	Universal subband coder format
DE	N 013241	D	96200046.9		29-May-90	0708533-A3			
							69033813.9	29-May-10	Universal subband coder format
DE	N 013241	F	99202037.0		29-May-90	0949763-A3			
							69034231.4	29-May-10	Universal subband coder format
DE-EP	N 013241	G	05103587.1		29-May-90	1587219-A2			
								29-May-10	Universal subband coder format
DK	IRT-PCT	-	WO 87-00723		20-Nov-87	DK 4050/88			
							172.621	20-Nov-07	Subband coded audio signals transmission
DK	N 013241	-	90201356.4		29-May-90	0402973-A1			
								30-Nov-94	0402973
							0402973	29-May-10	Universal subband coder format
DK	N 013241	A	94200239.5		29-May-90	0599824-A3			
							0599824	29-May-10	Universal subband coder format
DK	N 013241	B	94200240.3		29-May-90	0599825-A3			
							0599825	29-May-10	Universal subband coder format
DK	N 013241	D	96200046.9		29-May-90	0708533-A3			
							0708533	29-May-10	Universal subband coder format
DK	N 013241	F	99202037.0		29-May-90				
								25-Oct-06	0949763
								29-May-10	Universal subband coder format
DK-EP	N 013241	G	05103587.1		29-May-90	1587219-A2			
								29-May-10	Universal subband coder format
ES	N 013241	-	90201356.4		29-May-90	0402973-A1			
								30-Nov-94	0402973
							0402973	29-May-10	Universal subband coder format
ES	N 013241	A	94200239.5		29-May-90	0599824-A3			
							0599824	29-May-10	Universal subband coder format
ES	N 013241	B	94200240.3		29-May-90	0599825-A3			
							0599825	29-May-10	Universal subband coder format
ES	N 013241	D	96200046.9		29-May-90	0708533-A3			
							0708533	29-May-10	Universal subband coder format
ES	N 013241	F	99202037.0		29-May-90				
								25-Oct-06	0949763
								29-May-10	Universal subband coder format
ES-EP	N 013241	G	05103587.1		29-May-90	1587219-A2			
								29-May-10	Universal subband coder format

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FI	IRT-PCT -	WO 87-00723	20-Nov-87	FI 88.3446		84.538	20-Nov-07	Subband coded audio signals transmission
FR	IRT-PCT -	WO 87-00723	20-Nov-87	WO 88.04117		0.290.581	20-Nov-07	Subband coded audio signals transmission
FR	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	0402973	29-May-10	Universal subband coder format
FR	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	0599824	29-May-10	Universal subband coder format
FR	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	0599825	29-May-10	Universal subband coder format
FR	N 013241 D	96200046.9	29-May-90	0708533-A3	26-Sep-01	0708533	29-May-10	Universal subband coder format
FR	N 013241 F	99202037.0	29-May-90		25-Oct-06	0949763	29-May-10	Universal subband coder format
FR-EP	N 013241 G	05103587.1	29-May-90	1587219-A2			29-May-10	Universal subband coder format
GB	IRT-PCT -	WO 87-00723	20-Nov-87	WO 88.04117		0.290.581	20-Nov-07	Subband coded audio signals transmission
GB	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	0402973	29-May-10	Universal subband coder format
GB	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	0599824	29-May-10	Universal subband coder format
GB	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	0599825	29-May-10	Universal subband coder format
GB	N 013241 D	96200046.9	29-May-90	0708533-A3	26-Sep-01	0708533	29-May-10	Universal subband coder format
GB	N 013241 F	99202037.0	29-May-90		25-Oct-06	0949763	29-May-10	Universal subband coder format
GB-EP	N 013241 G	05103587.1	29-May-90	1587219-A2			29-May-10	Universal subband coder format
GR	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	0402973	29-May-10	Universal subband coder format
GR	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	0599824	29-May-10	Universal subband coder format
GR	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	0599825	29-May-10	Universal subband coder format
GR	N 013241 F	99202037.0	29-May-90		25-Oct-06	3060607	29-May-10	Universal subband coder format
GR-EP	N 013241 G	05103587.1	29-May-90	1587219-A2			29-May-10	Universal subband coder format
HK	N 013241 -	NOT GIVEN	29-May-90		07-Mar-96	0960416	29-May-10	Universal subband coder format
HK	N 013241 A	98113036.2	29-May-90	1012112-A 1012112-B	23-Aug-02	HK1012112	28-May-10	Universal subband coder format
HK	N 013241 B	98113037.1	29-May-90	1012113-A 1012113-B	03-May-02	HK1012113	28-May-10	Universal subband coder format
HK	N 013241 C	98114929.0	29-May-90	1013743-A 1013743-A	24-Nov-00	HK1013743	28-May-10	Universal subband coder format
HK	N 013241 D	98114934.3	29-May-90	1013744-A 1013744-B	10-May-02	HK1013744	28-May-10	Universal subband coder format
HK	N 013241 E	06104399.3	29-May-90	1082852-A 1082852-A				Universal subband coder format
HU	N 013241 -	90-3284	31-May-90		26-Aug-95	210644	31-May-10	Universal subband coder format

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IN	N 013241 -	438/Cal/90	28-May-90	175971	12-Sep-97	175971	28-May-10	Universal subband coder format
IN	N 013241 A	217/Cal/95	28-May-90		03-Sep-04	192221	28-May-10	Universal subband coder format
IN	N 013241 B	218/Cal/95	28-May-90		03-Sep-04	192222	28-May-10	Universal subband coder format
IN	N 013241 E	577/CAL/2002	28-May-90				28-May-10	Universal subband coder format
IN	N 013241 F	715/Cal/2002	28-May-90				28-May-10	Universal subband coder format
IN	N 013241 G	570/kol/2003	28-May-90				28-May-10	Universal subband coder format
IT	IRT-PCT -	WO 87-00723	20-Nov-87	WO 88.04117		0.290.581	20-Nov-07	Subband coded audio signals transmission
IT	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	0402973	29-May-10	Universal subband coder format
IT	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	0599824	29-May-10	Universal subband coder format
IT	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	0599825	29-May-10	Universal subband coder format
IT	N 013241 D	96200046.9	29-May-90	0708533-A3	26-Sep-01	0708533	29-May-10	Universal subband coder format
IT	N 013241 F	99202037.0	29-May-90		25-Oct-06	0949763	29-May-10	Universal subband coder format
IT-EP	N 013241 G	05103587.1	29-May-90	1587219-A2			29-May-10	Universal subband coder format
JP	IRT-PCT -	WO 87-00723	20-Nov-87	JP 1501435		2.599.624	20-Nov-07	Subband coded audio signals transmission
JP	N 013241 -	90-141693	01-Jun-90	91-24834	17-Dec-99	3012849	01-Jun-10	Universal subband coder format
JP	N 015603 A	06-339470	21-Nov-96	07-109397	13-Jul-07	3983268	21-Nov-16	Multichannel interface via IEC 958
KR	IRT-PCT -	WO 87-00723	20-Nov-87	WO 88.04117		9.514.066	20-Nov-07	Subband coded audio signals transmission
KR	N 013241 -	90-8138	02-Jun-90		10-Jun-98	149862	10-Jun-13	Universal subband coder format
LU	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	0402973	29-May-10	Universal subband coder format
LU	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	0599824	29-May-10	Universal subband coder format
LU	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	0599825	29-May-10	Universal subband coder format
LU	N 013241 D	96200046.9	29-May-90	0708533-A3	26-Sep-01	0708533	29-May-10	Universal subband coder format
LU	N 013241 F	99202037.0	29-May-90		25-Oct-06	0949763	29-May-10	Universal subband coder format
LU-EP	N 013241 G	05103587.1	29-May-90	1587219-A2			29-May-10	Universal subband coder format
MX	N 013241 -	20972	01-Jun-90		17-Dec-93	172513	01-Jun-10	Universal subband coder format
MY	N 013241 -	PI9000923	02-Jun-90		30-Jan-95	105780	30-Jan-10	Universal subband coder format
NL	IRT-PCT -	WO 87-00723	20-Nov-87	WO 88.04117		0.290.581	20-Nov-07	Subband coded audio signals transmission

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NL	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	0402973	29-May-10	Universal subband coder format
NL	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	0599824	29-May-10	Universal subband coder format
NL	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	0599825	29-May-10	Universal subband coder format
NL	N 013241 D	96200046.9	29-May-90	0708533-A3	26-Sep-01	0708533	29-May-10	Universal subband coder format
NL	N 013241 F	99202037.0	29-May-90	0949763	25-Oct-06	0949763	29-May-10	Universal subband coder format
NL-EP	N 013241 G	05103587.1	29-May-90	1587219-A2			29-May-10	Universal subband coder format
PL	N 013241 -	P285437	01-Jun-90	285437	02-Mar-95	167271	01-Jun-10	Universal subband coder format
RU	N 013241 -	4830112	29-May-90				29-May-10	Universal subband coder format
SE	IRT-PCT -	WO 87-00723	20-Nov-87	WO 88.04117		0.290.581	20-Nov-07	Subband coded audio signals transmission
SE	N 013241 -	90201356.4	29-May-90	0402973-A1	30-Nov-94	0402973	29-May-10	Universal subband coder format
SE	N 013241 A	94200239.5	29-May-90	0599824-A3	19-Dec-01	0599824	29-May-10	Universal subband coder format
SE	N 013241 B	94200240.3	29-May-90	0599825-A3	26-Sep-01	0599825	29-May-10	Universal subband coder format
SE	N 013241 D	96200046.9	29-May-90	0708533-A3	26-Sep-01	0708533	29-May-10	Universal subband coder format
SE	N 013241 F	99202037.0	29-May-90		25-Oct-06	0949763	29-May-10	Universal subband coder format
SE-EP	N 013241 G	05103587.1	29-May-90	1587219-A2			29-May-10	Universal subband coder format
SG	N 013241 -	9690189.7	29-May-90		15-Jun-96	28659	29-May-10	Universal subband coder format
SG	N 013241 A	9607808.4	29-May-90		04-Jan-02	44803	29-May-10	Universal subband coder format
SG	N 013241 B	9604520.8	29-May-90	0046416			29-May-10	Universal subband coder format
SI	N 013241 -	9011071	21-Feb-94		23-Aug-96	9011071	31-May-10	Universal subband coder format
SK	N 013241 -	90-PV2678	30-May-90		29-Dec-99	280559	30-May-10	Universal subband coder format
TW	N 013241 -	79104265	25-May-90		13-Jun-91	45033	25-May-10	Universal subband coder format
UA	N 013241 -	93004526	29-May-90		15-Jan-03	52573	29-May-10	Universal subband coder format
UA	N 013241 A	2002054163	29-May-90		15-Aug-05	73532	29-May-10	Universal subband coder format
US	IRT-PCT -	WO 87-00723	20-Nov-87	WO 88.04117		4.972.484	20-Nov-07	Subband coded audio signals transmission
US	N 013241 A	07/997158	21-Dec-92		21-Jun-94	5323396	21-Jun-11	Universal subband coder format
US	N 013241 E	08/488318	07-Jun-95		23-Jul-96	5539829	23-Jul-13	Universal subband coder format
US	N 013241 G	08/483009	06-Jun-95		25-Jun-96	5530655	25-Jun-13	Universal subband coder format

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US	N 013241 H	09/521052	08-Mar-00		11-Sep-01	6289308	01-Jun-10	Universal subband coder format
US	N 013241 I	09/908932	19-Jul-01	2001-0044713-A1	10-Feb-04	6691086	05-Jun-11	Universal subband coder format
US	N 013241 J	10/745215	23-Dec-03		24-Apr-07	7209565	01-Jun-10	Universal subband coder format
US	N 013241 K	11/007377	08-Dec-04	2006-0206341-A1			01-Jun-10	Universal subband coder format
YU	N 013241 -	P-901071	31-May-90	90-P1071	16-Dec-96	48202	31-May-10	Universal subband coder format