

## Exhibit E5 to the DVD Recordable Media Patent License Agreement

### Essential Pioneer Patents relevant to DVD-RAM Discs

<i>COUNTRY</i>	<i>REFERENCE</i>	<i>FILING NR</i>	<i>FILING DATE</i>	<i>PUBLICATION NR</i>	<i>GRANT NR</i>	<i>EXPIRY DATE</i>	<i>TITLE</i>
CN	504102CN01	96114320.7	05-Dec-1996	CN1156930A	ZL96114320.7	05-Dec-2016	Digital data transmitting
CN	504102CN02	200610093817.3	20-Jun-2006		ZL200610093817.3	05-Dec-2016	Digital data transmitting
CN	504102CN03	200610093831.3	20-Jun-2006		ZL200610093831.3	05-Dec-2016	Digital data transmitting
CN	504102CN04	200610093830.9	20-Jun-2006		ZL200610093830.9	05-Dec-2016	Digital data transmitting
DE	464373DE02	4345507.7	23-Jun-1999		4345507	29-Sep-2013	Layout of Header fields
DE	464373DE03	4345525.5	12-Jan-2001		4345525	28-Sep-2013	Layout of Header fields
EP	514022EP02	02025004.9	08-Nov-2002	1288944			Postamble field
DE-EP	504102EP02	03025667.1	07-Nov-2003	1403869	69636916.8	05-Dec-2016	Digital data transmitting
DE-EP	504102EP04	06115016.5	06-Jun-2006		69638200.8	05-Dec-2016	Digital data transmitting
DE-EP	504102EP05	06115021.5	06-Jun-2006		01715486	05-Dec-2016	Digital data transmitting
DE-EP	504188EP02	06001814.0	30-Jan-2006	1650755	69739836.6	27-Feb-2017	Minimum readout rate
DE-EP	514022EP01	97110132.4	20-Jun-1997	0817191	69721644.6	20-Jun-2017	Postamble field
FR-EP	504102EP02	03025667.1	07-Nov-2003	1403869	01403869	05-Dec-2016	Digital data transmitting
FR-EP	504102EP04	06115016.5	06-Jun-2006		01715485	05-Dec-2016	Digital data transmitting
FR-EP	504102EP05	06115021.5	06-Jun-2006		01715486	05-Dec-2016	Digital data transmitting
FR-EP	504188EP02	06001814.0	30-Jan-2006	1650755	01650755	27-Feb-2017	Minimum readout rate
FR-EP	514022EP01	97110132.4	20-Jun-1997	0817191	00817191	20-Jun-2017	Postamble field
GB-EP	504102EP02	03025667.1	07-Nov-2003	1403869	01403869	05-Dec-2016	Digital data transmitting
GB-EP	504102EP04	06115016.5	06-Jun-2006		01715485	05-Dec-2016	Digital data transmitting
GB-EP	504102EP05	06115021.5	06-Jun-2006		01715486	05-Dec-2016	Digital data transmitting
GB-EP	504188EP02	06001814.0	30-Jan-2006	1650755	01650755	27-Feb-2017	Minimum readout rate
GB-EP	514022EP01	97110132.4	20-Jun-1997	0817191	00817191	20-Jun-2017	Postamble field
NL-EP	504102EP02	03025667.1	07-Nov-2003	1403869	01403869	05-Dec-2016	Digital data transmitting
NL-EP	504102EP04	06115016.5	06-Jun-2006		01715485	05-Dec-2016	Digital data transmitting
NL-EP	504102EP05	06115021.5	06-Jun-2006		01715486	05-Dec-2016	Digital data transmitting
HK	504102HK02	04106418.7	26-Aug-2004		1063685	05-Dec-2016	Digital data transmitting
HK	504188HK01	06107154.1	23-Jun-2006		1087242	27-Feb-2017	Minimum readout rate
HK	514022HK01	03106004.8	21-Aug-2003				Postamble field
ID	504102ID01	P-963596	05-Dec-1996		0005541	05-Dec-2016	Digital data transmitting

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IN	504102IN01	2183/MAS/1996	04-Dec-1996		194873	04-Dec-2016	Digital data transmitting
JP	464373JP01	1992259961	29-Sep-1992	1994111480	03133509	29-Sep-2012	Layout of Header fields
JP	464373JP02	1998330449	20-Nov-1998	1999232702	03135534	29-Sep-2012	Layout of Header fields
JP	484116JP01	1993282514	11-Nov-1993	1995134869	02849033	11-Nov-2013	Structure of SYNC Codes
JP	504102JP01	1995316420	05-Dec-1995	1997162857	03394127	05-Dec-2015	Digital data transmitting
JP	504188JP01	1996041943	28-Feb-1996	1997231677	04112644	28-Feb-2016	Minimum readout rate
JP	504188JP02	2001400061	28-Dec-2001	2002237150	04112857	28-Feb-2016	Minimum readout rate
KR	504102KR01	62001/96	05-Dec-1996	97-56160	00329456	05-Dec-2016	Digital data transmitting
MX	504102MX01	966099	05-Dec-1996		195994	05-Dec-2016	Digital data transmitting
MY	504102MY01	PI9605068	03-Dec-1996		MY-112856-A	03-Dec-2016	Digital data transmitting
SG	504102SG01	9611511-8	04-Dec-1996		79210	04-Dec-2016	Digital data transmitting
TH	504102TH01	9601004164	02-Dec-1996		9825	02-Dec-2016	Digital data transmitting
TW	504102TW01	85114966	04-Dec-1996		88955	03-Dec-2016	Digital data transmitting
US	464373US02	08/891308	10-Jul-1997				Layout of Header fields
US	484116US01	08/699191	07-Nov-1994		05629924	07-Nov-2014	Structure of SYNC Codes
US	504102US02	10/785864	25-Feb-2004		RE40312	03-Dec-2016	Digital data transmitting
US	504188US01	08/806458	26-Feb-1997		06236804	26-Feb-2017	Minimum readout rate
US	504188US02	09/822259	02-Apr-2001		06741797	26-Feb-2017	Minimum readout rate
US	504188US03	10/106355	27-Mar-2002	2002-0172499	07398010	26-Feb-2017	Minimum readout rate
US	514022US01	08/879969	20-Jun-1997		06058087	20-Jun-2017	Postamble field
VN	504102VN01	1-1996-90429	04-Dec-1996		1-0001518	04-Dec-2016	Digital data transmitting