

Exhibit E4 to the DVD-Audio Disc Patent License Agreement

Essential PH Patents relevant to DVD-Audio Disc / 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
US	N 013241 A	07/997158	21-Dec-92		21-Jun-94	5323396	24-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 (*)
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 K	11/007377	08-Dec-04	2006-0206341-A1	21-Jul-09	7565298	30-Mar-11	Universal subband coder format (*)

(*) Relevant only if "channel coupling" (see section 7.4 of ATSC STANDARD "DIGITAL AUDIO COMPRESSION (AC-3)" 20 Dec 1995) is used on the disc

