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Düsseldorf June 5, 2009

Your ref.
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Essentiality Report of EP Patents mentioned in Annex A to the Patent License Agreement for the use of AC-3 technology in the manufacture of DVD-Video Players

Dear Sir or Madam:

Attached to this letter you find our report regarding certain European patents submitted by Koninklijke Philips Electronics N.V. to be evaluated as to the question whether or not these patents are essential for implementing the DVD-ROM Video AC-3 player Standard. The present report contains a list of summaries of the subject matter of the essential patents and the relevant DVD-ROM Video and Dolby AC-3 Standard portions.

In these reports we evaluated the essentiality of certain European Patents submitted by Koninklijke Philips Electronics N.V. with respect to the DVD Specification for Read-Only Disc, Part 3: "VIDEO SPECIFICATIONS", Version 1.1, December 1997 [DVD-ROM Video 1.1],

Digital Audio Compression Standard (AC-3) Doc. A/52 [Dolby AC-3 A/52].

We have concluded that the patents on the attached list are essential for implementing the technologies described in the DVD-ROM Video Standard and the Dolby AC-3 Standard in a DVD-ROM Video AC-3 player. Essentiality means that all of the features of the respective claims of the patents are used while working according to the referenced standard.

The reason for our findings are set out in our attached evaluations. These findings in this report are based upon:

1. Our review of the specification and certain claims of each patent on the list and prosecution history of the patent;
2. Claims analyses for certain patents presented to us by you;
3. Our review of the relevant DVD-ROM Video and Dolby AC-3 Standard portions;
4. Responses to questions regarding certain patents including written responses and face to face meetings

Please contact us if you require further assistance.

Yours faithfully,



Gottfried Schüll

Enclosures

Essentiality Report of EP Patents mentioned in Annex A to the Patent License Agreement for the use of AC-3 technology in the manufacture of DVD-Video Players

Patent No.	Claim	Summary of the Subject Matter of the Patent	Relevant Standard Portions
EP 0 599 825	1	Receiver for receiving a wide-band digital audio signal comprising at least a first and a second audio signal component from a transmission medium, the composite transmission signal further includes at least a first auxiliary digital signal component.	DVD-ROM Video 1.1: Sections 5.3, 5.4.2, Figs. 5.2.4-1, 5.3.2, 5.3-2; Dolby AC-3 A/52: Sections 1.1, 1.2, 1.3, 5.1, 5.3.3, 5.3.4, 5.4.1.1, 5.4.4, 5.4.4.1, 7.2.1, Figs. 1.1, 1.2, 1.3, 5.1, Table 5.3.1, 5.13
EP 0 811 295	1	Device for encoding an audio bitstream read from a DVD via an IEC958 interface comprising packaging means and pause burst generating means.	DVD-ROM Video 1.1: Sections 1, 1.3, 5.4.2 Annex Q; DVD-ROM Video IEC958 1.01: Sections 2, 3, 5.2, 5.2.2, 7.2, 7.4, 7.5, 7.6, Figures 5.2-1, 7.2-1, 7.5-1 and 7.6-1, Table 5.2.2-1
EP 0 660 540	1	A decoder for decoding an encoded digital signal that is obtained by encoding a wideband digital signal of sampling frequency F_s and that comprises consecutive frames that in turn comprise information packets with N bits each, wherein the number B of information packets in one frame is given as $P = BR \times n_s / (N \times F_s)$, if P is an integer, with BR denoting the bitrate of the encoded digital signal, and n_s denoting the number of samples of the wideband digital signal whose corresponding information in the encoded digital signal is included in one frame.	DVD-ROM Video 1.1: Sections: 5.4.2; Figures: 5.3-2, 5.4.2-1; Tables: 5.4.2.2-1; Dolby AC-3 A/52: Sections: 1.1, 5.1, 5.3, 5.3.1, 5.4.1.1, 5.4.1.3, 5.4.1.4; Figures: 1.1, 1.2, 1.3, 5.1; Tables: 5.1, 5.13, 5.18