

Title (en)  
APPARATUS AND METHOD FOR PRODUCTION OF A SURROUNDING-AREA SIGNAL

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM ERZEUGEN EINES UMGEBUNGSSIGNALS

Title (fr)  
DISPOSITIF ET PROCÉDÉ POUR LA GÉNÉRATION D'UN SIGNAL D'AMBIANCE

Publication  
**EP 2005421 B1 20130626 (DE)**

Application  
**EP 07703145 A 20070130**

Priority  
• EP 2007000791 W 20070130  
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• US 74471806 P 20060412

Abstract (en)  
[origin: US2007242833A1] A transient detector is provided for generating an ambience signal suitable for being emitted via loudspeakers for which there is no special loudspeaker signal to detect a transient period. A synthesis signal generator produces a synthesis signal which fulfils the transient condition on the one hand and the continuity condition for the synthesis signal on the other hand. A signal substituter will then substitute a portion of the examination signal by the synthesis signal to obtain an ambience signal for the surround channels.

IPC 8 full level  
**G10L 19/02** (2013.01); **H04S 5/00** (2006.01); **G10L 19/00** (2006.01); **G10L 19/008** (2013.01)

CPC (source: EP US)  
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Citation (examination)  
• US 2005114128 A1 20050526 - HETHERINGTON PHILLIP A [CA], et al  
• US 4076969 A 19780228 - SACKS JACK  
• DEUTSCH, W.A., NOLL, A.: "Restoration of historical recordings by means of Digital Signal Processing", PREPRINTS OF THE 75TH CONVENTION OF THE AES, 30 March 1984 (1984-03-30), pages 1 - 8

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DOCDB simple family (publication)  
**US 2007242833 A1 20071018; US 8577482 B2 20131105**; CA 2643862 A1 20071025; CA 2643862 C 20141216; CN 101421779 A 20090429; CN 101421779 B 20130417; DE 102006017280 A1 20071018; EP 2005421 A1 20081224; EP 2005421 B1 20130626; EP 2402942 A2 20120104; EP 2402942 A3 20120523; EP 2402942 B1 20160601; EP 2402943 A2 20120104; EP 2402943 A3 20120620; EP 2402943 B1 20160824; ES 2604133 T3 20170303; HK 1124951 A1 20090724; JP 2009533910 A 20090917; JP 4664431 B2 20110406; PL 2402943 T3 20170228; US 2012195434 A1 20120802; US 9326085 B2 20160426; WO 2007118533 A1 20071025; ZA 200809604 B 20100331

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