Title (en)

Method and device for creating an environmental signal

Title (de)

Vorrichtung und Verfahren zum Erzeugen eines Umgebungssignals

Title (fr)

Dispositif et procédé de production d'un signal d'environnement

Publication

EP 2402943 A3 20120620 (DE)

Application

EP 11182965 A 20070130

Priority

- EP 07703145 A 20070130
- DE 102006017280 A 20060412
- 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 (2006.01); H04S 5/00 (2006.01); G10L 19/00 (2006.01); G10L 19/008 (2013.01)

CPC (source: EP US)

H04S 5/005 (2013.01 - EP US); G10L 19/008 (2013.01 - EP US); H04R 5/04 (2013.01 - EP US)

Citation (search report)

- [A] US 2006018486 A1 20060126 - NEORAN ITAI [IL], et al
- [A] US 4076969 A 19780228 - SACKS JACK
- [YA] DEUTSCH ET AL: "Restoration of Historical Recordings by means of Digital Signal Processing", AUDIO ENGINEERING SOCIETY. CONVENTION PREPRINT, XX, XX, no. 2091, 30 March 1984 (1984-03-30), pages 1 - 9, XP007917714
- [YA] XAVIER RODET ET AL: "Detection and modeling of fast attack transients", PROC. OF INTL. COMPUTER MUSIC CONF. (ICMC), 1 September 2001 (2001-09-01), pages 1 - 4, XP055027013
- [A] GOODWIN M ET AL: "ENHANCEMENT OF AUDIO SIGNALS USING TRANSIENT DETECTION AND MODIFICATION", AUDIO ENGINEERING SOCIETY CONVENTION PAPER, NEW YORK, NY, US, vol. 6255, 2004, pages 2 - 11, XP008061973

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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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US 73462007 A 20070412; CA 2643862 A 20070130; CN 200780012962 A 20070130; DE 102006017280 A 20060412; EP 07703145 A 20070130; EP 11182960 A 20070130; EP 11182965 A 20070130; EP 2007000791 W 20070130; ES 11182965 T 20070130; HK 09103745 A 20090423; JP 2009504579 A 20070130; PL 11182965 T 20070130; US 201213442649 A 20120409; ZA 200809604 A 20081111