

Title (en)

DEVICE AND METHOD FOR GENERATING A LOUDSPEAKER SIGNAL BASED ON A RANDOMLY OCCURRING AUDIO SOURCE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ERZEUGEN EINES LAUTSPRECHERSIGNALS AUFGRUND EINER ZUFÄLLIG AUFTRETENDEN AUDIOQUELLE

Title (fr)

DISPOSITIF ET PROCEDE PERMETTANT DE GENERER UN SIGNAL DE HAUT-PARLEUR SUR LA BASE D'UNE SOURCE AUDIO D'APPARITION ALEATOIRE

Publication

**EP 1880577 B1 20091021 (DE)**

Application

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Priority

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- DE 102005027978 A 20050616

Abstract (en)

[origin: WO2006133812A1] Disclosed is a particle generator for generating a loudspeaker signal for a loudspeaker channel in a multichannel reproduction environment. Said particle generator comprises a position generator (14) for providing a plurality of positions in which an audio source is to occur, and a time generator (18) for supplying times during which the audio source is to occur, a time being allocated to a position. An individual pulse response generator (16) is also provided for generating individual pulse response data for each of the plurality of positions. A combined pulse response is formed by a pulse response combining unit (20) to combine the individual pieces of pulse response data according to the times during which the same occur. Said combined pulse response is finally used for adjusting a filter (21), with the aid of which the audio signal is finally filtered.

IPC 8 full level

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