

Title (en)

Device and method for generating a number of loudspeaker signals for a loudspeaker array which defines a reproduction area

Title (de)

Vorrichtung und Verfahren zum Erzeugen einer Anzahl von Lautsprechersignalen für ein Lautsprecher-Array, das einen Wiedergaberaum definiert

Title (fr)

Dispositif et procédé pour produire un certain nombre de signaux de haut-parleur pour un réseau de haut-parleurs définissant un espace de restitution

Publication

**EP 2080411 B1 20120425 (DE)**

Application

**EP 07818894 A 20071010**

Priority

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- DE 102006053919 A 20061115

Abstract (en)

[origin: US8358091B2] An apparatus for generating a number of loudspeaker signals for a loudspeaker array defining a reproduction space includes a prestage configured to generate a plurality of output audio signals while using one or more audio signals associated with one or more virtual positions, each output audio signal being associated to a loudspeaker position such that the plurality of output audio signals together replicate a reproduction of the input audio signal(s) at the virtual position(s), and a number of output audio signals being smaller than a number of loudspeaker signals. The apparatus further includes a main stage configured to obtain the plurality of output audio signals and further to obtain, as a virtual position for each output audio signal, the loudspeaker positions, and to generate the number of loudspeaker signals for the loudspeaker array such that the loudspeaker positions are replicated as a virtual sources by the loudspeaker array.

IPC 8 full level

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