Title (en)

DEVICE AND METHOD FOR GENERATION AND PROCESSING OF SOUND EFFECTS IN SPATIAL AUDIO REPRODUCTION SYSTEMS USING A GRAPHICAL USER INTERFACE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR GENERIERUNG UND BEARBEITUNG VON TONEFFEKTEN IN RÄUMLICHEN TONWIEDERGABESYSTEMEN MITTELS EINER GRAPHISCHEN BENUTZERSCHNITTSTELLE

Title (fr)

DISPOSITIF ET PROCEDE DE PRODUCTION ET DE TRAITEMENT D'EFFETS SONORES DANS DES SYSTEMES DE REPRODUCTION SONORE SPATIALE A L'AIDE D'UNE INTERFACE GRAPHIQUE D'UTILISATEUR

Publication

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Application

EP 06742644 A 20060421

Priority

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- DE 102005043641 A 20050913

Abstract (en)

[origin: US2008101616A1] The present invention is based on the finding that a sound-reproduction system, which can generate a spatial sound impression in a reproduction environment, can be efficiently and intuitively controlled by means of a graphic user interface when an impulse response associated with a spatial direction with respect to the reproduction environment is graphically represented, and when the possibility is created for a user to change the impulse response graphically so that, based on the user input of a change, the changed impulse response can be graphically represented and the changed graphical representation can be detected, in order to control the sound-reproduction system. Since it is system-theoretically possible to describe all known linear signal processing operations by impulse responses, it is possible, with the inventive graphic user interface, to provide a sound mixer, through a graphical representation, with an intuitive access to sound effects depending on the direction.

IPC 8 full level

H04S 7/00 (2006.01); **G10L 21/14** (2013.01)

CPC (source: EP US)

H04S 7/40 (2013.01 - EP US); H04S 7/305 (2013.01 - EP US); H04S 2420/13 (2013.01 - EP US)

Cited by

DE102011119642A1; WO2013079051A1

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