

Title (en)

DEVICE FOR CORRECTING THE LEVEL IN A WAVE FIELD SYNTHESIS SYSTEM

Title (de)

VORRICHTUNG ZUM PEGEL-KORRIGIEREN IN EINEM WELLENFELDSYNTHESESYSTEM

Title (fr)

DISPOSITIF DE CORRECTION DE NIVEAU DANS UN SYSTEME DE SYNTHESE DE CHAMP D'ONDES

Publication

**EP 1525776 A1 20050427 (DE)**

Application

**EP 04739176 A 20040511**

Priority

- DE 10321986 A 20030515
- EP 2004005045 W 20040511

Abstract (en)

[origin: US7751915B2] For a level correction in a wave field synthesis system having a wave field synthesis module and an array of loudspeakers for providing sound to a presentation region, a correction value which is based on a set amplitude state in a presentation region is determined, the set amplitude state depending on a position of the virtual source or a type of the virtual source, and the actual amplitude state in the presentation region depending on the component signals for the loudspeakers due to the virtual source. The correction value determined is fed to a manipulator manipulating the audio signal associated to the virtual source before feeding to the wave field synthesis module, or the component signals for the individual loudspeakers due to the virtual source are manipulated to reduce a deviation between a set amplitude state and an actual amplitude state at one point or several in the presentation region.

IPC 1-7

**H04S 3/00**

IPC 8 full level

**H04S 3/00** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP US)

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