

Title (en)  
MULTI-CHANNEL AUDIO SIGNAL CORRECTION DEVICE

Title (de)  
MEHRKANAL-AUDIOSIGNAL-KORREKTUREINRICHTUNG

Title (fr)  
DISPOSITIF DE CORRECTION DE SIGNAL AUDIO MULTICANAL

Publication  
**EP 1933596 A4 20080910 (EN)**

Application  
**EP 06782960 A 20060824**

Priority  
• JP 2006316556 W 20060824  
• JP 2005253679 A 20050901

Abstract (en)  
[origin: EP1933596A1] The present invention provides a multi-channel audio signal correction capable of preventing an increase in the number of steps for installing a speaker or/and an amplifier, which is/are connected to a multi-channel audio reproduction apparatus. The multi-channel audio signal correction device 3 transmits a predetermined measurement signal to a speaker module 2 connected through a network 4 to the multi-channel audio signal correction device 3 and receives a sound output from the speaker module 2. The multi-channel audio signal correction device 3 measures a propagation delay time of each of the received sounds and estimates the position of a speaker 21 provided in the target speaker module 2, in accordance with each of the measured propagation delay times. The multi-channel audio signal correction device 3 assigns an output channel to the target speaker module 2 in accordance with the estimated position of the speaker 21. The multi-channel audio signal correction device 3 generates a correction value used to correct an output of the target speaker module 2 and transmits the correction value to the target speaker module 2.

IPC 8 full level  
**H04S 5/02** (2006.01)

CPC (source: EP)  
**H04S 7/301** (2013.01); **H04R 5/027** (2013.01)

Citation (search report)  
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• [Y] JP 2001025085 A 20010126 - TOSHIBA CORP  
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• See references of WO 2007029507A1

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