

Title (en)

DEVICE AND METHOD FOR GENERATING A MULTI-CHANNEL SIGNAL USING VOICE SIGNAL PROCESSING

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ERZEUGEN EINES MULTIKANALSIGNALS MIT EINER SPRACHSIGNALVERARBEITUNG

Title (fr)

DISPOSITIF ET PROCÉDÉ PERMETTANT DE GÉNÉRER UN SIGNAL MULTICANAL PAR TRAITEMENT D'UN SIGNAL VOCAL

Publication

**EP 2206113 B1 20110427 (DE)**

Application

**EP 08802737 A 20081001**

Priority

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Abstract (en)

[origin: US8731209B2] In order to generate a multi-channel signal having a number of output channels greater than a number of input channels, a mixer is used for upmixing the input signal to form at least a direct channel signal and at least an ambience channel signal. A speech detector is provided for detecting a section of the input signal, the direct channel signal or the ambience channel signal in which speech portions occur. Based on this detection, a signal modifier modifies the input signal or the ambience channel signal in order to attenuate speech portions in the ambience channel signal, whereas such speech portions in the direct channel signal are attenuated to a lesser extent or not at all. A loudspeaker signal outputter then maps the direct channel signals and the ambience channel signals to loudspeaker signals which are associated to a defined reproduction scheme, such as, for example, a 5.1 scheme.

IPC 8 full level

**G10L 21/02** (2006.01); **H04S 5/02** (2006.01); **G10L 19/00** (2006.01); **G10L 19/008** (2013.01); **G10L 25/78** (2013.01)

CPC (source: EP US)

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