

Title (en)

Method and device for frequency compression with selective frequency shifting

Title (de)

Verfahren und Vorrichtung zur Frequenzkompression mit selektiver Frequenzverschiebung

Title (fr)

Procédé et dispositif de compression de fréquence à décalage de fréquence sélectif

Publication

**EP 2437258 A3 20130904 (DE)**

Application

**EP 11183051 A 20110928**

Priority

DE 102010041653 A 20100929

Abstract (en)

[origin: EP2437258A2] The method involves providing an audio signal in a frequency channel (14'). A dominant instantaneous frequency (14'') is determined in the frequency channel. The channel including the instantaneous frequency is displaced or reproduced in another channel. A permanent frequency position (fd) for the instantaneous frequency is determined by a preset compression characteristic line in the latter channel based on a frequency position (fs) of the instantaneous frequency. The instantaneous frequency is displaced or reproduced from an intermediate frequency position (fz) to the permanent position. An independent claim is also included for a device for compressing frequency of an audio signal.

IPC 8 full level

**G10L 21/00** (2006.01); **H04R 25/00** (2006.01); **G10L 19/02** (2006.01); **G10L 21/06** (2013.01)

CPC (source: EP US)

**G10L 21/00** (2013.01 - EP US); **H04R 25/353** (2013.01 - EP US); **G10L 19/0204** (2013.01 - EP US)

Citation (search report)

- [I] WO 2007000161 A1 20070104 - WIDEX AS [DK], et al
- [AD] EP 1333700 A2 20030806 - PHONAK AG [CH]
- [A] WO 2005015952 A1 20050217 - VAST AUDIO PTY LTD [AU], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2437258 A2 20120404**; **EP 2437258 A3 20130904**; **EP 2437258 B1 20151111**; DE 102010041653 A1 20120329;  
DE 102010041653 B4 20150402; DK 2437258 T3 20160215; US 2012076333 A1 20120329; US 9031269 B2 20150512

DOCDB simple family (application)

**EP 11183051 A 20110928**; DE 102010041653 A 20100929; DK 11183051 T 20110928; US 201113248167 A 20110929