

Title (en)

Device for improving the intelligibility of audio signals containing speech

Title (de)

Schaltungsanordnung zur Verbesserung der Verständlichkeit von Sprache enthaltenden Audiosignalen

Title (fr)

Dispositif pour améliorer l'intelligibilité de signaux audio contenant de la parole

Publication

**EP 1258865 B1 20061018 (DE)**

Application

**EP 02005495 A 20020311**

Priority

DE 10124699 A 20010518

Abstract (en)

[origin: EP1258865A2] A variable high-pass filter (VHPF) (20) can be altered in its cut-off frequency ( $f_c$ ), for which purpose it has a controlling input where a control signal can be applied to alter the cut-off frequency. A low-pass filter (10) feeds an audio signal for improvement to the VHPF and an input terminal (1) sets up the audio signal. At the output of the VHPF there is an amplifier stage (30) to amplify the output signal from the VHPF by a factor ( $g$ ) between 1.5 and 4.

IPC 8 full level

**H04R 3/04** (2006.01); **G10L 13/00** (2006.01); **G10L 21/02** (2013.01); **H03G 5/16** (2006.01); **H04R 25/00** (2006.01); **H04S 7/00** (2006.01); **G10L 21/0232** (2013.01)

CPC (source: EP US)

**G10L 21/0364** (2013.01 - EP US); **G10L 21/0232** (2013.01 - EP US); **H04R 2225/43** (2013.01 - EP US)

Cited by

EP2739069A1; EP3340658A1; US6799101B2; US8693716B1; US9407998B2; EP2979267B1; EP3598448B1

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DOCDB simple family (publication)

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