

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 A3 20040506 (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 (fc), 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 1-7

G10L 21/02; H03G 5/16; H04R 25/00

IPC 8 full level

H04R 3/04 (2006.01); **G10L 13/00** (2006.01); **G10L 21/02** (2013.01); **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)

Citation (search report)

- [X] US 5083312 A 19920121 - NEWTON JAMES R [US], et al
- [A] US 5170434 A 19921208 - ANDERSON JAMES R [US]

Cited by

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

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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EP 1258865 A2 20021120; **EP 1258865 A3 20040506**; **EP 1258865 B1 20061018**; DE 10124699 C1 20021219; DE 50208467 D1 20061130; JP 2003018691 A 20030117; JP 4141736 B2 20080827; US 2002173950 A1 20021121; US 7418379 B2 20080826

DOCDB simple family (application)

EP 02005495 A 20020311; DE 10124699 A 20010518; DE 50208467 T 20020311; JP 2002143204 A 20020517; US 15215902 A 20020520