

Title (en)

Hearing-aid with speech specific adjustment and corresponding method

Title (de)

Hörgerät mit sprachspezifischer Einstellung und entsprechendes Verfahren

Title (fr)

Prothèse auditive avec ajustement spécifique de la parole et procédé correspondant

Publication

EP 1705951 A3 20080625 (DE)

Application

EP 06111369 A 20060320

Priority

DE 102005012983 A 20050321

Abstract (en)

[origin: EP1705951A2] The aid has a memory device (S) storing data (VS1) that is characteristic for a language, and a processing device (VE) processing an input signal. Another data (VS2), characteristic of another language, is stored in the device (S), such that the signal is alternatively processed depending on the data (VS1) or the data (VS2). The two data contain a language-specific amplifying pattern with amplification values for each frequency band. An independent claim is also included for a method of operating an ear hearing aid.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/00 (2013.01 - EP US); **H04R 2225/41** (2013.01 - EP US)

Citation (search report)

- [X] WO 2004034739 A1 20040422 - RION CO [JP], et al
- [A] US 2005027537 A1 20050203 - KRAUSE LEE S [US], et al
- [A] TARNOCZY T ET AL: "Some remarks on the average speech spectrum", Q.P.S.R. REPORT NO. 4., 1 January 1964 (1964-01-01), pages 13 - 14, XP008091016
- [A] ELIZABETH W. W. CHUA: "Speech recognition predictability of a Cantonese speech intelligibility index", May 2004, HONG KONG UNIVERSITY, XP002479427
- [A] AMY H.S. HO: "A preliminary study of the frequency importance function of Cantonese sentences", 2002, HONG KONG UNIVERSITY, XP002479521
- [PA] WONG ET AL.: "Development of the Cantonese speech intelligibility index", ACOUSTICAL SOCIETY OF AMERICA. JOURNAL, ACOUSTICAL SOCIETY OF AMERICA, MELVILLE, NY, US, vol. 121, no. 6, 16 May 2007 (2007-05-16), pages 2350 - 2361, XP002478237, ISSN: 0001-4966 & DE 10393463 T5 20050901 - RION CO [JP], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1705951 A2 20060927; EP 1705951 A3 20080625; EP 1705951 B1 20100210; AT E457605 T1 20100215; DE 102005012983 A1 20060928; DE 502006006088 D1 20100325; DK 1705951 T3 20100607; US 2006215861 A1 20060928; US 7742611 B2 20100622

DOCDB simple family (application)

EP 06111369 A 20060320; AT 06111369 T 20060320; DE 102005012983 A 20050321; DE 502006006088 T 20060320; DK 06111369 T 20060320; US 38504906 A 20060317