

Title (en)

Sound processing method and device for adapting a hearing aid for hearing impaired

Title (de)

Tonverarbeitungsverfahren und Vorrichtung zur Anpassung eines Hörgerätes für Hörbehinderte

Title (fr)

Procédé et dispositif pour le traitement des sons pour correction auditive des malentendants

Publication

**EP 1006511 A1 20000607 (FR)**

Application

**EP 99403027 A 19991203**

Priority

FR 9815354 A 19981204

Abstract (en)

A parameter characterizing a pitch is modified (61) by applying a multiplying factor to a value of the pitch. The parameter characterizing a voicing is modified (62) by a multiplying factor. A parameter characterizing the energy is modified (62) by a compression function. The parameter characterizing the spectral envelope is modified (64) by a compression rate of the frequency scale, and the length of interval of time taking into account of a synthesized phase (7) while multiplying a time interval of by a time factor. An Independent claim is included for: (a) a device for implementing a method

Abstract (fr)

Le procédé consiste à extraire (5) les paramètres caractérisant le pitch, le voisement, l'énergie et le spectre du signal de parole, à modifier (6) les paramètres pour rendre la parole intelligible à un malentendant, et à reconstituer (7) un signal de parole perceptible par le malentendant à partir des paramètres modifiés. Application : prothèses auditives. <IMAGE>

IPC 1-7

**G10L 21/02**; H04R 25/00

IPC 8 full level

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

CPC (source: EP US)

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Citation (search report)

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- [Y] US 4791672 A 19881213 - NUNLEY JAMES A [US], et al
- [A] WO 9616533 A2 19960606 - FINK FLEMING K [DK], et al
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EP1173044A3; US7376563B2; US6950799B2; WO03071523A1

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