

Title (en)
Method for operating a hearing aid system as well as a hearing aid system with a microphone system in which different directional characteristics are selectable.

Title (de)
Verfahren zum Betrieb eines Hörhilfegerätes, sowie Hörhilfegerät mit einem Mikrofonsystem, bei dem unterschiedliche Richtcharakteristiken einstellbar sind

Title (fr)
Procédé pour l'opération d'une prothèse auditive aussi qu'une prothèse auditive avec un système de microphone dans lequel des diagrammes de rayonnement différents sont sélectionnables.

Publication
EP 1489882 A3 20090729 (DE)

Application
EP 04010127 A 20040428

Priority
DE 10327891 A 20030620

Abstract (en)
[origin: EP1489882A2] The hearing aid has a microphone system (1A-1C), a signal processing unit (9) and an output transducer (10), whereby the microphone system contains at least two microphones from which microphone signals (R0-R2) emanate and that have directional characteristics of different order. The method involves carrying out a signal analysis on at least one microphone signal to determine signal characteristics at defined frequencies or in defined frequency bands and differently weighting the signals output from the microphone units with different directional characteristic depending on the results of the signal analysis and the frequency of the microphone signal. An independent claim is also included for the following: (a) a hearing aid for implementing the inventive method.

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
H04R 25/407 (2013.01 - EP US); **H04R 2225/41** (2013.01 - EP US); **H04R 2225/43** (2013.01 - EP US); **H04R 2430/03** (2013.01 - EP US)

Citation (search report)

- [X] WO 03003349 A1 20030109 - OTICON AS [DK], et al
- [DX] WO 0076268 A2 20001214 - SIEMENS AUDIOLOGISCHE TECHNIK [DE], et al
- [X] US 2003063759 A1 20030403 - BRENNAN ROBERT L [CA], et al

Cited by
EP2169984A3; CN107396270A; DE102010011730A1; US10701483B2; US8737652B2; DE102008023370A1; EP2120484A3; EP2230860A1; DE102009014053A1; DE102009014053B4; DE102008023370B4; WO2018129086A1; EP2373065A1; US8477974B2; EP2373065B1; EP2373065B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL HR LT LV MK

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EP 1489882 A2 20041222; EP 1489882 A3 20090729; AU 2004202682 A1 20050113; AU 2004202682 B2 20070111; US 2004258249 A1 20041223

DOCDB simple family (application)
EP 04010127 A 20040428; AU 2004202682 A 20040618; US 87171204 A 20040618