Title (en)

A hearing aid with adaptive matching of input transducers

Title (de)

Hörhilfegerät mit adaptiver Anpassung von Eingangswandlern

Title (fr)

Prothèse auditive avec ajustement adaptatif des transducteurs d'entrée

Publication

EP 1196009 A3 20030102 (EN)

Application

EP 01610048 A 20010510

Priority

DK PA200001475 A 20001004

Abstract (en)

[origin: EP1196009A2] The present invention relates to a hearing aid with a directional characteristic, comprising at least two spaced apart input transducers and wherein transducer signal type, such as transducer noise, wind noise, sound emitted from a sound source located in the surroundings of the hearing aid, distorted signals, such as clipped signals, slew rate limited signals, etc, etc, is determined, and wherein signal processing in the hearing aid, such as transducer matching, filtering, signal combination, etc, is adapted according to the determined signal type. For example, the directional characteristic may be switched to an omnidirectional characteristic when at least one of the input transducer signals is dominated by noise or distortion, and/or adaptive matching of input transducers may be put on hold while at least one of the input transducer signals is dominated by noise or distortion. <IMAGE>

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H04R 25/00

IPC 8 full level

H04R 25/00 (2006.01); **H04R 29/00** (2006.01)

CPC (source: EP)

H04R 25/407 (2013.01); **H04R 29/006** (2013.01); H04R 2410/07 (2013.01)

Citation (search report)

- [YA] WO 9320668 A1 19931014 - GN DANAVOX AS [DK], et al
- [A] EP 1017253 A2 20000705 - SIEMENS CORP RES INC [US]
- [YA] PATENT ABSTRACTS OF JAPAN vol. 018, no. 608 (E - 1633) 18 November 1994 (1994-11-18)

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