

Title (en)  
A hearing aid with a self-test capability

Title (de)  
Hörgerät mit Selbstprüffähigkeit

Title (fr)  
Appareil auditif avec capacité d'auto-test

Publication  
**EP 1276349 A1 20030115 (EN)**

Application  
**EP 01610074 A 20010709**

Priority  
EP 01610074 A 20010709

Abstract (en)  
A hearing aid with a test controller (44) for detection of a defect in the signal path of the hearing head is provided. The test controller controls a test signal generator (40) and a probe means (42) for determination of a signal parameter, such as signal level, frequency spectrum, phase characteristic, auto-correlation, cross-correlation, etc. A set of signal switches (361,...,36p) controlled by the test controller is provided for connecting a desired test signal generator or a desired probe means to a desired point in the signal path for testing of a desired part of the hearing aid. Further signal switches (18) are provided for coupling hearing aid components into and out of the signal path of the hearing aid. <IMAGE>

IPC 1-7  
**H04R 25/00**

IPC 8 full level  
**H04R 25/00** (2006.01)

CPC (source: EP)  
**H04R 25/305** (2013.01); **H04R 25/356** (2013.01); **H04R 25/505** (2013.01); **H04R 25/70** (2013.01)

Citation (search report)  
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• [YA] DE 4128172 A1 19930304 - BOSCH GMBH ROBERT [DE]  
• [A] US 6118877 A 20000912 - LINDEMANN ERIC [US], et al

Cited by  
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**EP 01610074 A 20010709**; AT 01610074 T 20010709; CA 2446465 A 20020705; CN 02813688 A 20020705; DE 60105577 T 20010709; DK 01610074 T 20010709; EP 0207447 W 20020705; JP 2003513283 A 20020705