

Title (en)

HEARING AID COMPENSATING FOR ACOUSTIC FEEDBACK.

Title (de)

HÖRGERÄT MIT AUSGLEICH DER AKUSTISCHEN RÜCKKOPPLUNG.

Title (fr)

PROTHESE AUDITIVE A COMPENSATION DE LA REACTION ACOUSTIQUE.

Publication

EP 0634084 A1 19950118 (EN)

Application

EP 93908828 A 19930323

Priority

- DK 9300106 W 19930323
- DK 43292 A 19920331

Abstract (en)

[origin: WO9320668A1] A hearing aid with digital, electronic compensation for acoustic feedback comprises a microphone (5), a preamplifier (7), a digital compensation circuit (3), an output amplifier (9) and a transducer (11). The digital circuit (3) comprises a noise generator (33) for the insertion of noise, and an adjustable, digital filter (27) for the adaptation of the feedback signal. The adaptation takes place using a correlation circuit (31). The circuit further comprises a digital circuit (79) which carries out a statistical evaluation of the filter coefficients in the correlation circuit, and changes the feedback function in accordance with this evaluation.

IPC 1-7

H04R 25/00

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP)

H04R 25/453 (2013.01); **H04R 25/505** (2013.01)

Citation (search report)

See references of WO 9320668A1

Cited by

DE102005008318A1; DE102005008318B4; US8842862B2; US6668204B2

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

WO 9320668 A1 19931014; AU 3948293 A 19931108; DE 69327951 D1 20000406; DE 69327951 T2 20000817; DK 170600 B1 19951106; DK 43292 A 19931001; DK 43292 D0 19920331; EP 0634084 A1 19950118; EP 0634084 B1 20000301; JP H07505271 A 19950608

DOCDB simple family (application)

DK 9300106 W 19930323; AU 3948293 A 19930323; DE 69327951 T 19930323; DK 43292 A 19920331; EP 93908828 A 19930323; JP 51699393 A 19930323