

Title (en)

Feedback compensation for hearing-aids with system distance estimation

Title (de)

Feedbackkompensation für Hörgeräte mit Systemabstandsschätzung

Title (fr)

Compensation de la rétroaction pour prothèses auditives avec système d'estimation de la distance

Publication

EP 1401242 A3 20080220 (DE)

Application

EP 03021037 A 20030917

Priority

DE 10244184 A 20020923

Abstract (en)

[origin: EP1401242A2] An estimation device (6 to 11) is connected between a signal input device (3) and an acoustic feedback reduction device (5,12,13,14), and is used to determine an estimate of the system noise-free level, defined by the separation of the loop gain of the fed-back system from its stability limit, so that parameters of the feedback reduction device can be controlled based on the estimate. An Independent claim is included for an acoustic feedback compensation method.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/453 (2013.01 - EP US)

Citation (search report)

- [A] US 2001002930 A1 20010607 - KATES JAMES MITCHELL [US]
- [A] WO 0122775 A2 20010329 - SONIC INNOVATIONS INC [US]
- [A] WO 0106812 A1 20010125 - OTICON AS [DK], et al

Cited by

EP1858289A1; CN111629313A; EP2360945A3; US8280088B2; US8538053B2

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 PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1401242 A2 20040324; EP 1401242 A3 20080220; EP 1401242 B1 20081203; AT E416591 T1 20081215; DE 10244184 B3 20040415; DE 50310852 D1 20090115; DK 1401242 T3 20090406; US 2004109578 A1 20040610

DOCDB simple family (application)

EP 03021037 A 20030917; AT 03021037 T 20030917; DE 10244184 A 20020923; DE 50310852 T 20030917; DK 03021037 T 20030917; US 66885503 A 20030923