

Title (en)

HEARING AID WITH CANCELLATION OF ACOUSTIC FEEDBACK

Publication

EP 0585976 A3 19940601 (DE)

Application

EP 93118186 A 19931110

Priority

EP 93118186 A 19931110

Abstract (en)

[origin: EP0585976A2] In a hearing aid with a gain filter section, the acoustomechanical noise feedback is compensated for by means of a compensator (15). The signal connection at the compensator (15) and preferably also at the gain filter section (5) is in the frequency domain, for which purpose a differentiating unit (13), into which the compensator signal is injected, is followed by time-domain/frequency-domain transformation units (20, 28), or corresponding inverse transformation units (26, 24). <IMAGE>

IPC 1-7

H04R 25/00; **H04R 3/02**

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/453 (2013.01 - EP US); **H04R 25/505** (2013.01 - EP US)

Citation (search report)

- [A] EP 0252205 A2 19880113 - ANTIN MARK [US]
- [AD] S. M. KUO UND S. VOEPEL: "INTEGRATED FREQUENCY-DOMAIN DIGITAL HEARING AID WITH THE LAPPED TRANSFORM", ELECTRONICS LETTERS., vol. 28, no. 23, 5 November 1992 (1992-11-05), ENAGE GB, pages 2117 - 2118, XP000315938
- [AD] JAMES M. KATES: "FEEDBACK CANCELLATION IN HEARING AIDS: RESULTS FROM A COMPUTER SIMULATION", IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol. 39, no. 3, March 1991 (1991-03-01), NEW YORK US, pages 553 - 562, XP000224129

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