

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 September 2007 (07.09.2007)

PCT

(10) International Publication Number
WO 2007/099115 A1

(51) International Patent Classification:
H04R 25/00 (2006.01)

(21) International Application Number:
PCT/EP2007/051890

(22) International Filing Date:
28 February 2007 (28.02.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/778,376 3 March 2006 (03.03.2006) US

(71) Applicant (for all designated States except US): **WIDEX**
A/S [DK/DK]; Ny Vestergaardsvej 25, DK-3500 Varlose
(DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NORDAHN,**
Morten Agerbak [DK/DK]; Vangeleddet 3, DK-2700
Bronshøj (DK). **PALUDAN-MULLER, Carsten**
[DK/DK]; Dronnings Ingrid's Vej 16, DK-3650 Ol-
stykke (DK).

(74) Agent: **BETTEN & RESCH**; Theatinerstr. 8, 80333 Mu-
nich (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS,
LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY,
MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,
RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

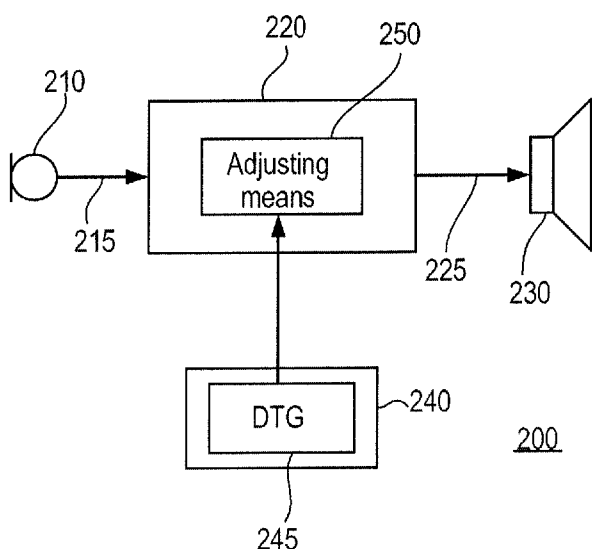
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND SYSTEM OF NOISE REDUCTION IN A HEARING AID



(57) Abstract: A hearing aid (200) comprises at least one mi-
crophone (210), a signal processing means (220) and an output
transducer (230). The signal processing means is adapted to re-
ceive an input signal from the microphone. The signal processing
means is adapted to apply a hearing aid gain to the input signal
to produce an output signal to be output by the output transducer,
and the signal processing means comprises means for adjusting
the hearing aid gain by a direct transmission gain calculated for
the hearing aid.

WO 2007/099115 A1