

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
6 January 2011 (06.01.2011)(10) International Publication Number
WO 2011/000383 A8(51) International Patent Classification:
A61B 5/0478 (2006.01) *H04R 25/00* (2006.01)**UNGSTRUP, Michael** [DK/DK]; Vestvej 26, DK-3450
Alleroed (DK).(21) International Application Number:
PCT/DK2010/050174(74) Agents: **RØRDAM, Troels, Peter** et al.; Awapatent A/S,
Rigensgade 11, DK-1316 København K (DK).(22) International Filing Date:
1 July 2010 (01.07.2010)(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
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, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/DK2009/050156 2 July 2009 (02.07.2009) DK(71) Applicant (for all designated States except US): **WIDEX**
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[DK/DK]; Myrholmen 24, DK-2760 Maaløv (DK).(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,
ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,

[Continued on next page]

(54) Title: AN EAR PLUG WITH SURFACE ELECTRODES

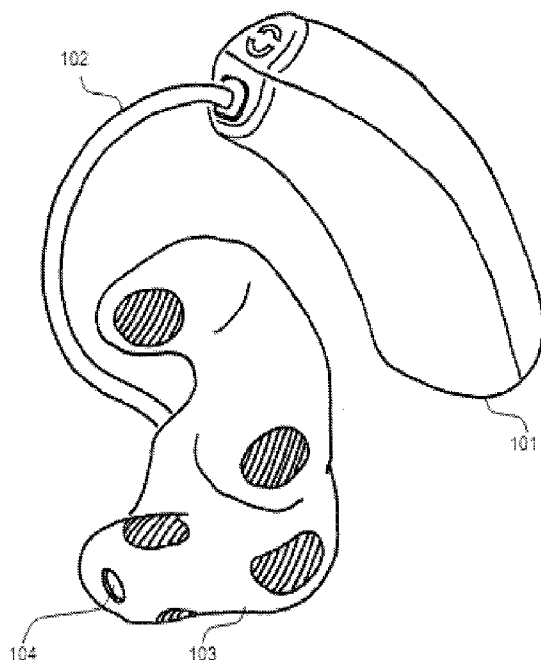


Fig. 1

(57) Abstract: An ear plug (200) comprising a shell (206)
with at least two electrodes (201 - 205) adapted for measur-
ing brain wave signals, said electrodes (201 - 205) being
connected with means for processing the measured signals,
wherein the contours of the outer surface of the ear plug
(200) and the electrodes (201 - 205) are individually
matched to at least part of the ear canal and the concha of
the user.



TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(48) Date of publication of this corrected version:

26 May 2011

(15) Information about Correction:

see Notice of 26 May 2011

Published:

— with international search report (Art. 21(3))