

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 December 2008 (04.12.2008)

PCT

(10) International Publication Number
WO 2008/147215 A1

(51) International Patent Classification:
H04R 1/10 (2006.01) *H04M 1/05* (2006.01)

(74) Agent: TANDBERGS PATENTKONTOR A/S; oks
7085, N-0306 Oslo (NO).

(21) International Application Number:
PCT/NO2008/000190

(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, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, 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, 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.

(22) International Filing Date: 30 May 2008 (30.05.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2007 2812 1 June 2007 (01.06.2007) NO

(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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*):
FREEBIT AS [NO/NO]; Postboks 3150 Elisenberg,
N-0208 Oslo (NO).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): STEENFELDT
BERG, Richard [NO/NO]; C/O Metafax AS, Boks,
N-3150 Elisenberg (NO).

Published:
— with international search report

(54) Title: IMPROVED EARPIECE

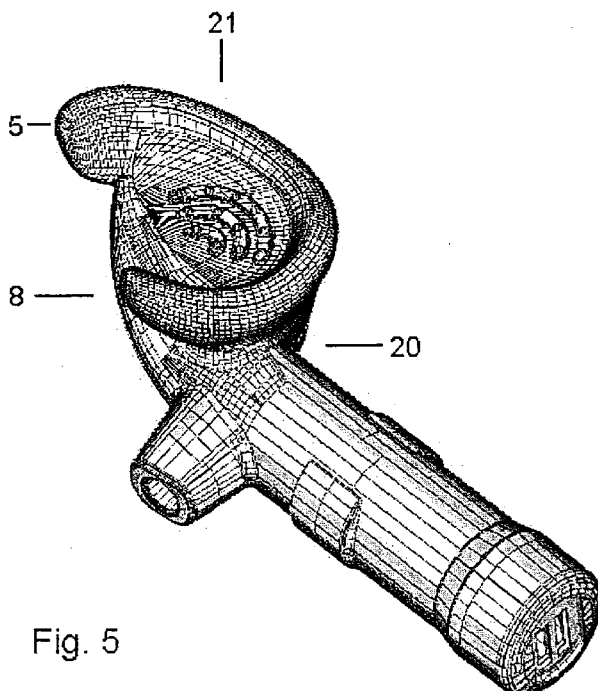


Fig. 5

(57) Abstract: Device called ear unit for stable fittings in an ear, characterised in that said ear unit (10) is shaped as a decremental curve and that the distance between the ends (5, 8) of the decremental curve is approximately equal to the distance between a first cavity from the under the tragus (4) of the ear and second cavity covered by the lower node (15) of the antihelix of the ear, the upper part of the curve projecting in underneath a flap (2) covering the lower part of the second cavity, and said ear piece having a curvature providing an improved attachment in that said curvature follows the bottom of the ear mussel (22). The ear unit (10) optionally comprises a part (T) extending downwards, the transition between said part (T) and the ear piece is formed in such a way that it aligns along the intertragic notch (14). The ear unit is optionally arranged with at least one unit from the group comprising ear phone and microphone. The ear unit is optionally arranged with a unit from the group of wireless communication unit for use with mobile phone and the like, and wired communication unit for use with music

system and the like. Said ear unit (10) is arranged with a curvature (21) in such a way that it traces along the bottom of the ear mussel (22) when the ear unit (10) is positioned into the ear and optionally arranged with an incision (20) in such a way that it aligns along the intertragic notch (14) when said ear unit is brought into the ear. This provides a further stability and increased comfort.