



- (51) **International Patent Classification:**
H04R 25/00 (2006.01) *A61F 2/18* (2006.01)
- (21) **International Application Number:**
PCT/IB2013/056005
- (22) **International Filing Date:**
22 July 2013 (22.07.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
13/555,358 23 July 2012 (23.07.2012) US
- (71) **Applicant:** COCHLEAR LIMITED [AU/AU]; c/o IP Department, 1 University Avenue, Macquarie University, New South Wales 2109 (AU).
- (72) **Inventors:** MESKENS, Werner; Cochlear Limited, C/O IP Department, 1 University Ave, Macquarie University, New South Wales 2109 (AU). BAELEN, Erika; Cochlear Limited, C/O IP Department, 1 University Ave, Macquarie University, New South Wales 2109 (AU). VAN DEN HEUVEL, Koen; Cochlear Limited, C/O IP Department, 1 University Ave, Macquarie University, New South Wales 2109 (AU). VAN GERWEN, Peter; Cochlear Limited, C/O IP Department, 1 University Ave, Macquarie University, New South Wales 2109 (AU).
- (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, BN, 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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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.

- (84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

- (88) **Date of publication of the international search report:**
8 May 2014



WO 2014/016756 A3

(54) **Title:** HEARING PROSTHESIS WITH A STANDARD WIRE INTERFACE

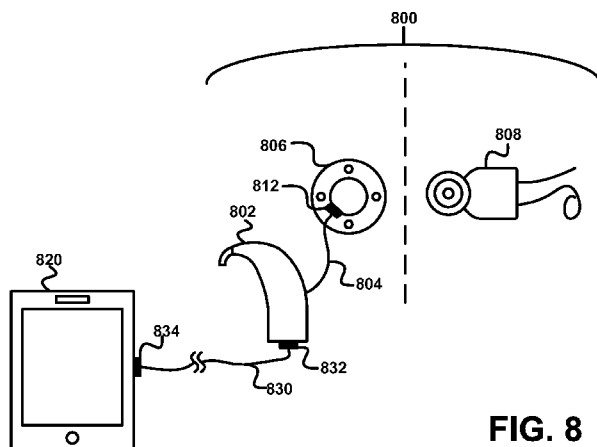


FIG. 8

(57) **Abstract:** Methods, systems, and devices for receiving a data signal and a power signal by a hearing prosthesis are disclosed. An input signal is received at a first unit of a hearing prosthesis. The first unit receives the input signal at a wired interface module that conforms to a standardized interface. The first unit identifies a data signal and a power signal included in the input signal. The first unit transfers at least a portion of the power signal to a second unit of the hearing prosthesis. The second unit is implanted in a body and is configured to stimulate an auditory organ, allowing a user to perceive at least a portion of a sound.

A. CLASSIFICATION OF SUBJECT MATTER**H04R 25/00(2006.01)i, A61F 2/18(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04R 25/00; A61N 1/378; A61F 11/04; A61F 11/00; A61F 2/02; A61N 1/36; A61N 1/00; A61F 2/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords:auditory, hearing, cochlear, data, power, separate, audio, sound, wire, cable, implant, prosthesis

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2012-0095528 A1 (SCOTT ALLAN MILLER, III et al.) 19 April 2012 See paragraphs [0003], [0012]-[0013], [0015], [0019]-[0023], [0044], [0048]-[0049], [0052] and figures 1A-3C.	1-7, 14-17, 29-32, 37-40
Y		8-13, 18-28, 33-36
Y	US 2012-0041515 A1 (WERNER MESKENS et al.) 16 February 2012 See paragraphs [0010], [0027], [0037], [0081], [0084]; claim 1 and figures 1A, 6.	8-13, 18-28, 33-36
Y	US 2007-0282392 A1 (FRANCOIS CALLIAS et al.) 06 December 2007 See paragraphs [0022]-[026]; claims 1, 22 and figure 1.	35-36
A	JP 2001-511409 A (ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH et al.) 14 August 2001 See abstract; paragraphs [0035]-[0055] and figures 1A-1E.	1-40
A	US 5824022 A (YITZHAK ZILBERMAN et al.) 20 October 1998 See column 2, line 21 - column 4, line 17 and figure 5.	1-40

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"&" document member of the same patent family


Date of the actual completion of the international search

19 March 2014 (19.03.2014)

Date of mailing of the international search report

20 March 2014 (20.03.2014)

Name and mailing address of the ISA/KR

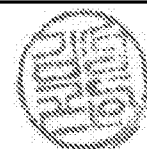

 International Application Division
 Korean Intellectual Property Office
 189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan City, 302-701,
 Republic of Korea

Facsimile No. +82-42-472-7140

Authorized officer

KIM, Sung Gon

Telephone No. +82-42-481-8746



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/IB2013/056005

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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