



(51) International Patent Classification:

H04R 1/10 (2006.01) H04R 15/00 (2006.01)
H04R 25/00 (2006.01)

(21) International Application Number:

PCT/EP2011/061962

(22) International Filing Date:

13 July 2011 (13.07.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/363,814 13 July 2010 (13.07.2010) US
61/385,635 23 September 2010 (23.09.2010) US

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(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.

(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,
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,
ML, MR, NE, SN, TD, TG).

Published:

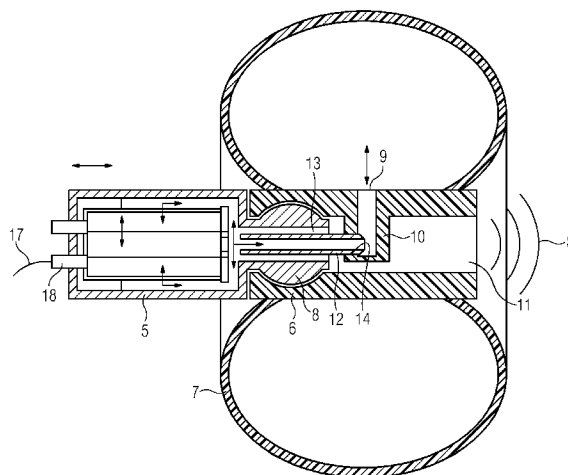
- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

28 March 2013

(54) Title: INFLATABLE EAR MOLD CONNECTION SYSTEM

FIG 2



(57) Abstract: An inflatable ear piece (4) is formed for insertion and placement in an external auditory canal (2). The ear piece has an inflatable balloon (7) that may be selectively inflated and deflated. When the balloon is inflated, it expands and braces against the walls of the auditory canal (2). The ear piece has a receiver module (5) with a sound generator (12) and a connection to an exterior device (e.g., a hearing aid, an MP3 player, a cell phone). The sound waves generated in the receiver module are guided to the ear drum (3) via a carrier (6) which also holds the balloon (7). A pump and valve assembly is integrated in the receiver module, for inflating, or selectively deflating, the balloon (7). The pump is connected by way of a micro tube that projects centrally inside the sound channel of the balloon carrier (6) and its tip projects into a radial projection (10) or a bridge across the sound channel. The receiver module (5) and the balloon module (6, 7) are rotationally symmetrical relative to one another, that is, they may be connected in any rotational orientation.



INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2011/061962

A. CLASSIFICATION OF SUBJECT MATTER

INV. H04R1/10 H04R25/00
 ADD. H04R15/00

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

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

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

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	WO 2010/132359 A2 (ASIUS TECHNOLOGIES LLC [US]; AMBROSE STEPHEN D [US]; GIDO SAMUEL P [US] 18 November 2010 (2010-11-18) page 13, paragraph 146 - page 14, paragraph 147; figures 37, 41, 44 page 35, paragraph 235 - page 36, paragraph 240 page 41, paragraph 258 - page 44, paragraph 277	1-15
A	----- EP 1 272 003 A1 (SONIONMICROTRONIC AS [DK] SONION AS [DK]) 2 January 2003 (2003-01-02) column 3, paragraph 11 - column 11, paragraph 57; figures 1-18 ----- -/-	1-15



Further documents are listed in the continuation of Box C.



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Date of the actual completion of the international search

18 January 2013

Date of mailing of the international search report

01/02/2013

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2011/061962

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010/002897 A1 (KEADY JOHN P [US]) 7 January 2010 (2010-01-07) page 1, paragraph 7 - page 4, paragraph 43; figures 1-9 -----	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2011/061962

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