

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 January 2002 (10.01.2002)

PCT

(10) International Publication Number
WO 02/003752 A3

(51) International Patent Classification⁷: **H04R 1/38**, 1/34

(21) International Application Number: PCT/IB01/01166

(22) International Filing Date: 2 July 2001 (02.07.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/216,463 6 July 2000 (06.07.2000) US

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(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK (utility model), SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

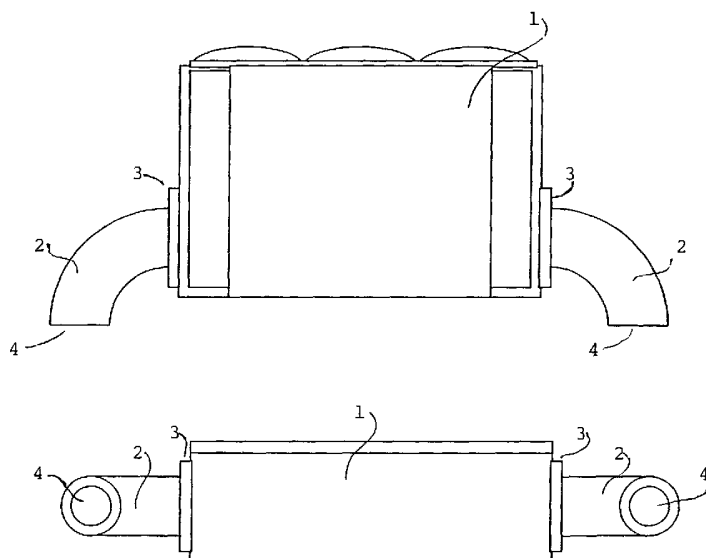
Published:

— with international search report

(88) Date of publication of the international search report:
5 December 2002

[Continued on next page]

(54) Title: A DIRECTIONAL MICROPHONE



(57) Abstract: A directional microphone assembly comprising a surface part having at least two inlet holes for sound, a microphone having at least two sound inlets, and means for transporting sound from each inlet hole to a respective sound inlet, where the transporting means are hollow and at least substantially rigid. The microphone assembly may be used in directional microphones such as for use in hearing aids. The advantage of using rigid transporting means is seen in that the assembly may simply be forced against a face plate instead of soft tubes having to be assembled thereto. It is further described how the shape of the rigid transporting means (e.g. the diameter, the inner surface and the curvature) influences the frequency response and directionality of the tubing and how the diameter of the inlet hole influences the directionality.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 01/01166

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04R1/38 H04R1/34

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)

IPC 7 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 practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^o	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 075 869 A (ROBERTS MATTHEW J ET AL) 13 June 2000 (2000-06-13) column 6, line 25 -column 9, line 62 ----	1,8,14
A	US 5 524 056 A (WALDHAUER DECEASED FRED ET AL) 4 June 1996 (1996-06-04) column 3, line 12 -column 4, line 15 column 10, line 47 -column 12, line 26 ----	1,8,14
A	EP 0 681 410 A (AT & T CORP) 8 November 1995 (1995-11-08) column 3, line 47 -column 8, line 47 ----- -/--	1,8,14



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Patent family members are listed in annex.

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Date of the actual completion of the international search

4 September 2002

Date of mailing of the international search report

11/09/2002

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International Application No

PCT/IB 01/01166

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	BUERKLI-HALEVY O: "THE DIRECTIONAL MICROPHONE ADVANTAGE" August 1987 (1987-08) , HEARING INSTRUMENTS, HARCOURT BRACE JOVANOVIH PUBL. DULUTH, MINNESOTA, US, VOL. 38, NR. 8, PAGE(S) 34,36-38 XP000795077 ISSN: 0092-4466 -----	

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