

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/069681 A1

(51) International Patent Classification⁷: **H04R 19/04**

(21) International Application Number:
PCT/KR2004/002526

(22) International Filing Date: 1 October 2004 (01.10.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2004-0004250 20 January 2004 (20.01.2004) KR

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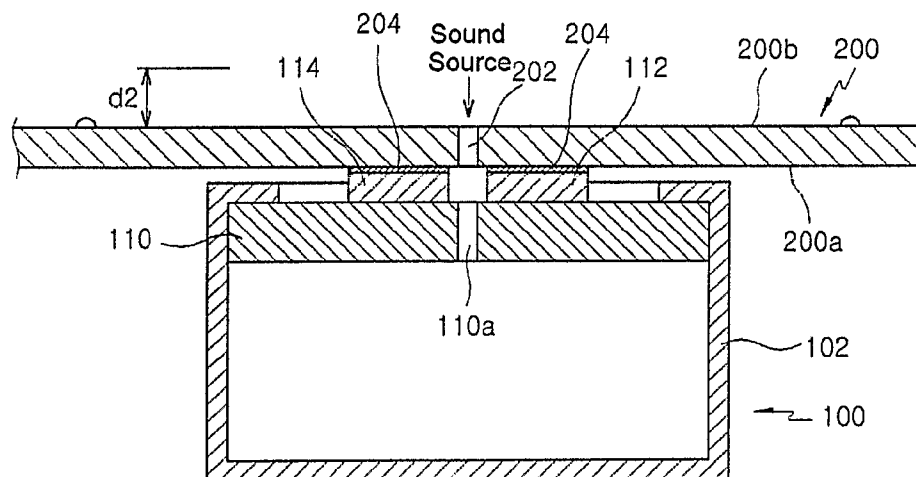
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(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, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: A CONDENSER MICROPHONE MOUNTABLE ON MAIN PCB



(57) Abstract: A condenser microphone mountable on a main PCB is disclosed. The condenser microphone of the present invention comprises a cylinder-shaped case having one side which is opened and the other side which is closed; a first metal ring inserted into the case for an electrical connection; a disk-shaped back plate having a sound hole to be connected electrically to the case through the first metal ring; a ring-shaped spacer; a cylinder-shaped insulating ring having an open top part and an open bottom part to provide an electrical insulation and a mechanical support; a diaphragm inserted into the insulating ring and facing to the back plate while interposing the spacer between the diaphragm and the back plate; a second metal ring for being connected electrically to the diaphragm and supporting mechanically the diaphragm; and a PCB that is mounted with electronic components and is formed with a sound hole, the PCB being connected to the back plate through the second metal ring and the case, the PCB including connection terminals connected to the outside. Accordingly, the condenser microphone maintains the sound quality in a good state since the sound wave transfer path is short even if the component mount region of the main PCB on which the condenser microphone is mounted is directed toward an inner side of the electronic product at need.

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