

Title (en)
Sound transducer system

Title (de)
Schallwandlersystem

Title (fr)
Dispositif transducteur sonore

Publication
EP 0927987 B1 20040204 (DE)

Application
EP 98124257 A 19981218

Priority
DE 19758243 A 19971230

Abstract (en)
[origin: EP0927987A2] At one end the housing (11) tubular section (12) is closed by a base (13) and at the opposite open end evolves into a widened section (14) which has the shape of a flat shell with an edge (15). In an opening in the base is a cable passage (16). The complete housing is rotation-symmetrical to its axis (A-A), so that the edge (15) of the widened section (14) is circular round. In the tubular section is an electro-mechanical converter (20) of the piezo-electrical type. In the widened flat section (14) is a thin circular-round bending vibration plate (30) which via a rod (31) is mechanically connected to the electro-mechanical converter. The front side (30a) of the bending vibration plate is in contact with the air in which the sound waves are radiated or from which they are received and is completely smooth and even.

IPC 1-7
G10K 13/00

IPC 8 full level
H04R 9/00 (2006.01); **G10K 9/13** (2006.01); **G10K 11/35** (2006.01); **G10K 13/00** (2006.01); **H04R 7/04** (2006.01)

CPC (source: EP US)
G10K 9/13 (2013.01 - EP US); **G10K 11/35** (2013.01 - EP US); **G10K 13/00** (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
DE FR GB IT

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EP 0927987 A2 19990707; **EP 0927987 A3 20011004**; **EP 0927987 B1 20040204**; CA 2257584 A1 19990630; CA 2257584 C 20010724; DE 19758243 A1 19990715; DE 59810709 D1 20040311; JP 3062170 B2 20000710; JP H11262087 A 19990924; US 6081064 A 20000627

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