

Title (en)
Speaker

Title (de)
Lautsprecher

Title (fr)
Haut-parleur

Publication
EP 0873039 A3 20070404 (EN)

Application
EP 98400928 A 19980415

Priority
• JP 9766597 A 19970415
• JP 11105897 A 19970428
• JP 4563498 A 19980226

Abstract (en)
[origin: EP0873039A2] There is provided a speaker which is small and which allows the low sound range to be generated and a low sound level to be fully obtained. A speaker 10 comprises a cylindrical main body 12. Both ends of the main body 12 constitute open sections thereof and a sounding body 16 pinched by ringed first dampers 14 is secured to each of the open sections so that the inside of the main body 12 is kept air-tight. A circular first opening 18 is created at the middle part of the side of the main body 12. Bottomed cylindrical lid members 20 are secured on the outside of the two sounding bodies 16 via ringed second dampers 24 so as to keep the inside of the lid member 20 air-tight. A circular second opening 22 is created around the middle of the bottom of the lid member 20.

IPC 8 full level
H04R 1/28 (2006.01)

CPC (source: EP)
H04R 1/2842 (2013.01); **H04R 1/2834** (2013.01)

Citation (search report)
• [XPD] EP 0812124 A2 19971210 - MURATA MANUFACTURING CO [JP]
• [A] US 5031222 A 19910709 - TAKAYA TADASHI [JP]
• [A] US 4413198 A 19831101 - BOST JONATHAN R [US]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated extension state (EPC)
AL LT LV MK RO SI

DOCDB simple family (publication)
EP 0873039 A2 19981021; EP 0873039 A3 20070404; CN 1151699 C 20040526; CN 1214605 A 19990421

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EP 98400928 A 19980415; CN 98106938 A 19980415