

Title (en)
Sonic head

Title (de)
Schallkopf

Title (fr)
Tête sonore

Publication
EP 0858844 A3 20001004 (DE)

Application
EP 98102214 A 19980209

Priority
DE 19705321 A 19970212

Abstract (en)
[origin: EP0858844A2] The ultrasound transducer head (1) has a housing (2) enclosing an internal system (3) with a ceramic piezo-element (4) at the base of the housing and an overlying damping element (10). The piezo-element is coupled to a terminal tag (8) projecting from the housing, for connection to an external electronic circuit, with the internal system secured in the housing via a retaining ring (15) fitting into a reception groove (16) provided by the inside wall of the housing.

IPC 1-7
G10K 11/00; G10K 9/122

IPC 8 full level
G10K 9/122 (2006.01); **G10K 11/00** (2006.01)

CPC (source: EP)
G10K 11/004 (2013.01)

Citation (search report)
• [X] DE 3826799 A1 19900208 - SWF AUTO ELECTRIC GMBH [DE]
• [A] US 4705981 A 19871110 - INOUE JIRO [JP], et al
• [DA] US 3890423 A 19750617 - ZACHARIAS JR ELLIS M
• [A] GB 2282932 A 19950419 - MURATA MANUFACTURING CO [JP]
• [A] US 4326274 A 19820420 - HOTTA MITSUHIKO, et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 372 (P - 1091) 10 August 1990 (1990-08-10)

Cited by
CN104662603A; DE10047383C1; CN102449850A; EP2419968A4; DE102005001899A1; DE102005001899B4; WO2010120752A2;
WO2014016081A3; EP1731883A1; EP1701140A1

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

DOCDB simple family (publication)
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DK 0858844 T3 20021007

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