

Title (en)
Piezoceramic transducer.

Title (de)
Piezokeramischer Wandler.

Title (fr)
Transducteur piézocéramique.

Publication
EP 0438623 A1 19910731 (DE)

Application
EP 90101577 A 19900126

Priority
DE 3833234 A 19880930

Abstract (en)
A piezoelectric transducer is used both as a sound receiver and a sound transmitter, in particular as a hydrophone, and has a ceramic body with segmented electrodes which may be disc-shaped, cylindrical or a part-spherical shell. A suitable electrical circuit for operation is also disclosed.
<IMAGE>

Abstract (de)
Piezokeramischer Wandler als Schallempfänger und Schallsender, insbesondere als Hydrophon, mit segmentierter Elektrodenbelegung (4a,4b) auf einem gemeinsamen Grundkörper.(1) <IMAGE>

IPC 1-7
B06B 1/06

IPC 8 full level
B06B 1/06 (2006.01); **H04R 17/00** (2006.01)

CPC (source: EP)
B06B 1/0644 (2013.01); **H04R 17/00** (2013.01)

Citation (search report)
• [X] US 3800270 A 19740326 - BAILEY J
• [A] FR 1141962 A 19570912 - ELECTROACUSTIC GMBH
• [A] FR 2278217 A1 19760206 - SCHLUMBERGER PROSPECTION [FR]
• [A] US 4168628 A 19790925 - VILKOMERSON DAVID H R

Cited by
DE4134456A1; CN100432004C

Designated contracting state (EPC)
DK FR SE

DOCDB simple family (publication)
EP 0438623 A1 19910731; **EP 0438623 B1 19951025**; DE 3833234 A1 19900412; DE 3833234 C2 19950316; GB 2223377 A 19900404; GB 2223377 B 19930602; GB 8921990 D0 19891115; IT 1232453 B 19920217; IT 8967838 A0 19890929

DOCDB simple family (application)
EP 90101577 A 19900126; DE 3833234 A 19880930; GB 8921990 A 19890929; IT 6783889 A 19890929