

Title (en)

PIEZOCERAMIC SHOCK-WAVE GENERATOR

Publication

EP 0372198 A3 19911113 (DE)

Application

EP 89118854 A 19891011

Priority

DE 8815090 U 19881203

Abstract (en)

[origin: EP0372198A2] Piezoceramic shock-wave generator, in particular for lithotripsy, comprising a carrier (T), a multiplicity of piezoelements (P), which are arranged flat or in the form of spherical segments, and contacts (silver conducting layer S, connecting wires A) on the front and rear of the piezoelements (P), the carrier (T) surrounding the piezoelements (P) both laterally and at the rear, thus being insulation and backing, and consisting of a plastic.

IPC 1-7

B06B 1/06

IPC 8 full level

A61B 17/22 (2006.01); **B06B 1/06** (2006.01)

CPC (source: EP)

B06B 1/0622 (2013.01)

Citation (search report)

- [AD] GB 2140693 A 19841205 - WOLF GMBH RICHARD
- [A] DE 3526488 A1 19860206 - HITACHI LTD [JP], et al
- [A] US 2829361 A 19580401 - CRANDELL ROBERT B, et al
- [A] US 4156863 A 19790529 - COOK RUFUS L [US], et al
- [A] FR 2168538 A1 19730831 - SIEMENS AG [DE]

Cited by

EP0421286A3; DE4307669A1; US5549110A

Designated contracting state (EPC)

CH DE ES FR IT LI NL

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DE 8815090 U1 19900215; EP 0372198 A2 19900613; EP 0372198 A3 19911113; JP H02195953 A 19900802

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DE 8815090 U 19881203; EP 89118854 A 19891011; JP 29946689 A 19891117