

Title (en)
Ultrasound transducer

Title (de)
Ultraschallwandler

Title (fr)
Transducteur ultrasonore

Publication
EP 0838271 B1 20040107 (DE)

Application
EP 97117979 A 19971016

Priority
DE 19644762 A 19961028

Abstract (en)
[origin: EP0838271A2] The ultrasonic transducer includes a recess (14,16) in the edge region of the piezoelectric body and which is in the form of a groove. The groove is arranged on a flat side of the piezoelectric body. Alternatively, the recess can be arranged at the corners of the piezoelectric body. The body has an electrically conducting film (6b) at least in a central region of its flat sides. The film on at least one flat side covers the edge region of the adjacent end surface (10,12).

IPC 1-7
B06B 1/06

IPC 8 full level
B06B 1/06 (2006.01); **G10K 11/26** (2006.01); **G10K 11/32** (2006.01)

CPC (source: EP)
B06B 1/0648 (2013.01); **G10K 11/26** (2013.01); **G10K 11/32** (2013.01)

Cited by
CN101279318A; EP1262245A3; US6774540B2

Designated contracting state (EPC)
BE DE FR SE

DOCDB simple family (publication)
EP 0838271 A2 19980429; EP 0838271 A3 20000719; EP 0838271 B1 20040107; DE 59711179 D1 20040212

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EP 97117979 A 19971016; DE 59711179 T 19971016