

Title (en)
Ultrasound transducer

Title (de)
Ultraschallwandler

Title (fr)
Transducteur ultrasonore

Publication
EP 0838271 A3 20000719 (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)

Citation (search report)
• [XA] EP 0688610 A2 19951227 - KRAUTKRAEMER GMBH [DE]
• [A] US 5422532 A 19950606 - INOUE JIRO [JP], et al
• [X] US 5481154 A 19960102 - KAIDA HIROAKI [JP]

Cited by
CN101279318A; EP1262245A3; US6774540B2

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)
EP 0838271 A2 19980429; EP 0838271 A3 20000719; EP 0838271 B1 20040107; DE 59711179 D1 20040212

DOCDB simple family (application)
EP 97117979 A 19971016; DE 59711179 T 19971016