

Title (en)
ULTRASONIC TRANSDUCER

Publication
EP 0118837 A3 19850515 (DE)

Application
EP 84102147 A 19840229

Priority
DE 3309236 A 19830315

Abstract (en)
[origin: EP0118837A2] 1. An ultrasonic transducer having a supporting body (2), a transmitting layer (4) of a material with a relatively high dielectric constant and high acoustic impedance and a first $\lambda/4$ coupling layer (8) that faces the transmitting layer (4), and a second $\lambda/4$ coupling layer that faces a load, characterised in that the second $\lambda/4$ coupling layer also serves as a receiving layer (6) and that the first $\lambda/4$ coupling layer (8) also serves as backing for the receiving layer (6).

IPC 1-7
G10K 11/02

IPC 8 full level
A61B 8/00 (2006.01); **G01N 29/24** (2006.01); **G10K 11/02** (2006.01); **H04R 17/00** (2006.01)

CPC (source: EP)
G10K 11/02 (2013.01)

Citation (search report)

- [XP] US 4427912 A 19840124 - BUI TUAN S [AU], et al
- [Y] EP 0021534 A1 19810107 - PHILIPS NV [NL]
- [Y] US 4016530 A 19770405 - GOLL JEFFREY H

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Designated contracting state (EPC)
AT DE FR GB

DOCDB simple family (publication)
EP 0118837 A2 19840919; EP 0118837 A3 19850515; EP 0118837 B1 19880622; AT E35338 T1 19880715; CA 1252558 A 19890411; DE 3309236 A1 19840920; DE 3472318 D1 19880728; JP H0453117 Y2 19921214; JP S59161800 U 19841030

DOCDB simple family (application)
EP 84102147 A 19840229; AT 84102147 T 19840229; CA 449456 A 19840313; DE 3309236 A 19830315; DE 3472318 T 19840229; JP 3404784 U 19840309