

Title (en)
ULTRASONIC TRANSDUCER

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Application
EP 80101743 A 19800401

Priority
DE 2914031 A 19790406

Abstract (en)
[origin: US4354132A] In exemplary embodiments, a transmitting layer of material having a relatively high dielectric constant and high acoustic impedance, and a receiving layer of material having a relatively low dielectric constant and low acoustic impedance are superimposed such that an optimum construction is provided which simultaneously creates optimum results for the instance of transmission and reception. The two layers are interconnected by means of hybrid techniques such that they mate in a laminar manner.

IPC 1-7
H04R 17/00; **G10K 10/00**; **G10K 11/02**

IPC 8 full level
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CPC (source: EP US)
B06B 1/0688 (2013.01 - EP US); **G10K 11/02** (2013.01 - EP US); **H04R 17/00** (2013.01 - EP US); **Y10S 310/80** (2013.01 - EP US)

Citation (search report)

- DE 1116455 B 19611102 - SPERRY PROD INC
- GB 665451 A 19520123 - TECHNICAL ASSETS INC
- ACOUSTICAL IMAGING, Vol. 8, Seiten 69-95 Proc. 8th International Symposium 29.5. - 2.6.1978 Florida (US) * Abstract, Seite 70, Zeile 34 - Seite 74, Zeile 20; Figuren 1,2 *

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FR2496919A1; EP0086531A1

Designated contracting state (EPC)
AT CH DE FR GB NL

DOCDB simple family (publication)
US 4354132 A 19821012; AT E2293 T1 19830215; AU 5715680 A 19801009; CA 1154861 A 19831004; DE 2914031 B1 19800514; DE 2914031 C2 19810115; DE 3061665 D1 19830224; EP 0017216 A2 19801015; EP 0017216 A3 19801112; EP 0017216 B1 19830119; JP S55140392 A 19801101; JP S5856320 B2 19831214

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US 12537180 A 19800228; AT 80101743 T 19800401; AU 5715680 A 19800403; CA 349174 A 19800403; DE 2914031 A 19790406; DE 3061665 T 19800401; EP 80101743 A 19800401; JP 4402880 A 19800403