

Title (en)  
Sound or ultrasound transducer

Title (de)  
Schall- oder Ultraschallsensor

Title (fr)  
Transducteur à son ou ultrason

Publication  
**EP 0807924 A3 19990602 (DE)**

Application  
**EP 97105884 A 19970410**

Priority  
DE 19620133 A 19960518

Abstract (en)  
[origin: EP0807924A2] The sensor has a radiation element (3) with a planar front surface (34) and a transducer element (1) for oscillation of the front surface at a given stimulation frequency, so that the entire front surface is deflected in phase with the same deflection amplitude. The front surface has a number of concentric ribs (32) with concentric gaps (33) between them, with a metal disc (5) attached to the ribs so that the parts between the ribs act as a membrane segments.

IPC 1-7  
**G10K 13/00**; **G10K 9/12**

IPC 8 full level  
**B06B 1/06** (2006.01); **G10K 13/00** (2006.01)

CPC (source: EP US)  
**B06B 1/0618** (2013.01 - EP US); **G10K 13/00** (2013.01 - EP US)

Citation (search report)

- [A] US 5452267 A 19950919 - SPEVAK LEV [US]
- [A] US 4333028 A 19820601 - PANTON STANLEY
- [A] EP 0590799 A2 19940406 - FEDERAL IND IND GROUP INC [CA]
- [A] US 3949349 A 19760406 - MASSA FRANK, et al

Cited by  
WO2008071563A3

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**EP 0807924 A2 19971119**; **EP 0807924 A3 19990602**; **EP 0807924 B1 20021211**; CA 2203583 A1 19971118; CA 2203583 C 20000208; DE 19620133 A1 19971127; DE 19620133 C2 20010913; DE 59708924 D1 20030123; HU 216670 B 19990830; HU 9700904 D0 19970728; HU P9700904 A2 19980428; HU P9700904 A3 19981228; US 5726952 A 19980310

DOCDB simple family (application)  
**EP 97105884 A 19970410**; CA 2203583 A 19970424; DE 19620133 A 19960518; DE 59708924 T 19970410; HU P9700904 A 19970515; US 84771497 A 19970428