

Title (en)  
Ultrasound transducer

Title (de)  
Ultraschallwandler

Title (fr)  
Transducteur ultrasonique

Publication  
**EP 2131353 A1 20091209 (DE)**

Application  
**EP 09012236 A 20090415**

Priority  
• EP 09005354 A 20090415  
• DE 102008023187 A 20080510

Abstract (en)  
The transducer has a transmitter emitting ultrasonic waves, and a receiver receiving the ultrasonic waves. A transducer housing (15) is made of soft material, which forms a unit for body sound isolation. The housing has a groove (20) in which a piezoelectric element (17) is engaged. The housing exhibits the form of a sleeve with a front sided opening, which is closed with the piezoelectric element. An adjusting layer (19) is engaged with the piezoelectric element in the groove of the transducer housing.

Abstract (de)  
Die Erfindung betrifft einen Ultraschallwandler (14), der zur Ausbildung eines Ultraschallwellen emittierenden Senders (6) und/oder eines Ultraschallwellen empfangenden Empfängers (7), insbesondere für einen Ultraschallsensor (1), dient. Der Ultraschallwandler (14) weist ein Wandlergehäuse (15) aus weichem Material auf, welches ein Mittel zur Körperschallentkopplung bildet.

IPC 8 full level  
**G10K 11/00** (2006.01)

CPC (source: EP)  
**G10K 11/004** (2013.01)

Citation (applicant)  
• FR 2783915 A1 20000331 - SCHLUMBERGER IND SA [FR]  
• EP 0283823 A1 19880928 - SIEMENS AG [DE]  
• DE 202005006831 U1 20050707 - LEUZE ELECTRONIC GMBH & CO KG [DE]

Citation (search report)  
• [X] FR 2783915 A1 20000331 - SCHLUMBERGER IND SA [FR]  
• [X] EP 0283823 A1 19880928 - SIEMENS AG [DE]  
• [X] DE 202005006831 U1 20050707 - LEUZE ELECTRONIC GMBH & CO KG [DE]

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BE DE GB IT

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2116474 A1 20091111; EP 2116474 B1 20100505**; DE 102008023187 A1 20091119; DE 502009000016 D1 20100617;  
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