

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)
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• [X] EP 0283823 A1 19880928 - SIEMENS AG [DE]
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Designated contracting state (EPC)
BE DE GB IT

Designated extension state (EPC)
AL BA RS

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