

Title (en)

Ultrasonic sensor, decoupling material for an ultrasonic sensor and method for painting an ultrasonic sensor

Title (de)

Ultraschallsensor, Entkopplungsmaterial für einen Ultraschallsensor und Verfahren zur Lackierung eines Ultraschallsensors

Title (fr)

Capteur à ultrasons, matériau de découplage pour capteur à ultrasons et procédé destiné au laquage d'un capteur à ultrasons

Publication

EP 1752967 A1 20070214 (DE)

Application

EP 06012928 A 20060623

Priority

DE 102005039093 A 20050808

Abstract (en)

Ultrasound sensor (10) comprises a decoupling material (20) made from silicone-urea copolymers, preferably polydimethylsiloxane-urea copolymers, arranged between a housing (12) and an oscillating sensor membrane (14). Independent claims are also included for the following: (1) Decoupling material for the ultrasound sensor; and (2) Method for lacquering the active surface (18) and surface of the decoupling material between the housing and active surface.

IPC 8 full level

G10K 11/00 (2006.01); **G01S 15/93** (2006.01)

CPC (source: EP)

G10K 11/002 (2013.01)

Citation (search report)

- [E] EP 1710785 A2 20061011 - VALEO SCHALTER & SENSOREN GMBH [DE]
- [Y] EP 1489129 A1 20041222 - WACKER CHEMIE GMBH [DE]
- [Y] US 6218498 B1 20010417 - OBERNEDER STEFAN [DE], et al
- [Y] DE 19927797 C1 20001207 - FRAUNHOFER GES FORSCHUNG [DE]
- [Y] DE 19601987 A1 19970724 - TEVES GMBH ALFRED [DE]
- [T] "Geniomer 60", TECHNISCHES INFORMATIONSLATT VON WACKER, 17 August 2004 (2004-08-17), XP002405088
- [Y] WPI WORLD PATENT INFORMATION DERWENT, DERWENT, GB, vol. 1992, no. 28, 7 October 1991 (1991-10-07), XP002149456

Cited by

DE102009046972A1; US8973442B2

Designated contracting state (EPC)

CZ DE ES FR GB IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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