

Title (en)
ULTRASOUND SENSOR

Title (de)
ULTRASCHALLSENSOR

Title (fr)
CAPTEUR À ULTRASONS

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Application
EP 12797803 A 20121121

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Abstract (en)
[origin: WO2013107542A1] The invention relates to an ultrasound sensor for sending and/or receiving ultrasound signals, comprising a diaphragm cup (3) having a transducer (11) and a housing (7), wherein the diaphragm cup (3) is releasably connected to the housing (7), a decoupling ring (13) is accommodated between the membrane cup (3) and the housing (7), and the membrane cup (3) is filled with a filling material (15). The decoupling ring (13) comprises a lip (27) that is designed in such a way that a gap (31) is formed between the lip (27) and the housing inner wall and the filling material (15) is accommodated in a space at the decoupling ring (13), which space is enclosed by the membrane cup (3) and the lip (27). The invention further relates to a use of the ultrasound sensor.

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