

Title (en)

ULTRASOUND TRANSDUCER FOR USING IN A FLUID MEDIUM

Title (de)

ULTRASCHALLWANDLER ZUM EINSATZ IN EINEM FLUIDEN MEDIUM

Title (fr)

TRANSDUCTEUR ULTRASONORE DESTINÉ À ÊTRE UTILISÉ DANS UN MILIEU FLUIDE

Publication

**EP 2494319 A1 20120905 (DE)**

Application

**EP 10751677 A 20100910**

Priority

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- EP 2010063294 W 20100910

Abstract (en)

[origin: WO2011051042A1] The invention relates to an ultrasound transducer (110) for using in a fluid medium (120). The ultrasound transducer (110) comprises at least one transducer core (112) having at least one electric-acoustic transducer element (114). The ultrasound transducer (110) also comprises at least one housing (118) having at least two housing parts (122, 124). At least one first housing part (122) at least partially surrounds the transducer core. A rear side of the electric-acoustic transducer element (114) facing away from the fluid medium (120) is accessible. At least one second housing part (124) is connected to the first housing part (122). The ultrasound transducer (110) is essentially sealed by the second housing part (124), on its side facing away from the fluid medium (120).

IPC 8 full level

**G01F 1/66** (2006.01); **G10K 9/22** (2006.01)

CPC (source: EP KR US)

**G01F 1/662** (2013.01 - KR); **G01F 23/296** (2013.01 - EP KR US); **G01F 23/2968** (2013.01 - EP KR US); **G01N 29/2437** (2013.01 - US); **G10K 9/122** (2013.01 - EP US); **G10K 9/13** (2013.01 - KR); **G10K 9/22** (2013.01 - EP KR US); **Y10T 29/49005** (2015.01 - EP US)

Citation (search report)

See references of WO 2011051042A1

Cited by

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DOCDB simple family (publication)

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