

Title (en)

ULTRASOUND SENSOR HAVING A POT-SHAPED OSCILLATING ELEMENT

Title (de)

ULTRASCHALLSENSOR MIT EINEM TOPFFÖRMIGEN SCHWINGEELEMENT

Title (fr)

DETECTEUR A ULTRASONS AVEC ELEMENT OSCILLANT EN FORME DE CUVETTE

Publication

**EP 1173842 A1 20020123 (DE)**

Application

**EP 01903687 A 20010201**

Priority

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- EP 0101075 W 20010201

Abstract (en)

[origin: WO0163595A1] The invention relates to an ultrasound sensor, especially for parking aids in motor vehicles, comprising a pot-shaped oscillating element (4). The bottom of said element serves as a membrane. According to the invention, at least two disc-shaped piezoelectric transducers (6, 7) are fixed next to one another in the membrane (5). The inventive ultrasound sensor is characterised by a sound directional diagram being provided with particularly high asymmetry.

IPC 1-7

**G10K 9/125**; **G01S 15/93**

IPC 8 full level

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CPC (source: EP)

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