

Title (en)
MOTOR VEHICLE ULTRASONIC TRANSDUCER FOR DISTANCE MEASUREMENT, CORRESPONDING MANUFACTURING METHOD AND USE

Title (de)
KRAFTFAHRZEUGULTRASCHALLWANDLER ZUR ENTFERNUNGSMESSUNG, ZUGEHÖRIGES HERSTELLUNGSVERFAHREN UND VERWENDUNG

Title (fr)
CAPTEUR A ULTRASON DE VEHICULE AUTOMOBILE POUR MESURE DE DISTANCE, PROCEDE DE FABRICATION CORRESPONDANT ET UTILISATION

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Application
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Abstract (en)
[origin: WO2016042223A1] The invention relates to an ultrasonic transducer (10) of the type comprising a housing (16) provided with an electrical connector (17), at least one ultrasonic transducer (15) and an electronic card (13) for controlling said transducer and which is arranged inside the housing and consists of a printed circuit board (14) on which active components (11) and passive components (12) are mounted. According to the invention, the active components include integrated active components (11) which are completely embedded in a substrate of the printed circuit board and the passive components include integrated passive components (12) which are completely embedded in the substrate. According to another feature, the active components and the passive components include surface-mounted components (7) arranged solely on one side of the printed circuit board and the transducer is mounted on an opposite side.

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Cited by
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