

Title (en)

VEHICLE AND MICROPHONE FOR MICROPHONE ARRANGEMENT IN THE VEHICLE

Title (de)

KRAFTFAHRZEUG UND MIKROFON FÜR EINE MIKROFON-ANORDNUNG IN DEM KRAFTFAHRZEUG

Title (fr)

VÉHICULE ET MICROPHONE POUR ARRANGEMENT DE MICROPHONES DANS LA VÉHICULE

Publication

**EP 2949131 A1 20151202 (DE)**

Application

**EP 14700967 A 20140122**

Priority

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- EP 2014000161 W 20140122

Abstract (en)

[origin: WO2014114451A1] The invention relates to a microphone (18) for sound detection in a motor vehicle (10), having a microphone capsule (32), which has at least one sound inlet opening (34), a microphone diaphragm arranged in the microphone capsule (32) and a driver circuit (38) arranged in the microphone capsule (32) for generating an individual electrical diaphragm signal depending on a movement of the microphone diaphragm. Connection contacts (42), which are arranged such that they can be reached from outside the microphone capsule (32) and are connected to the microphone capsule (32) emit an electrical microphone signal. The problem addressed by the invention is that of providing a microphone arrangement for sound detection in a motor vehicle, which requires little installation space. To this end, an interface circuit (40) is likewise arranged in the microphone capsule (32) and is designed to convert the individual diaphragm signal of the driver circuit (38) directly into a digital bus signal according to a predefined bus standard and to output the bus signal as the microphone signal via the connection contacts (42) to a data bus (28).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014114451A1

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