

Title (en)

SENSOR TO BE FITTED IN OR ON A VEHICLE

Title (de)

IN ODER AN EINEM FAHRZEUG ANZUBRINGENDER SENSOR

Title (fr)

CAPTEUR MONTABLE DANS OU SUR UN VEHICULE

Publication

**EP 0688277 A1 19951227 (DE)**

Application

**EP 94908276 A 19940301**

Priority

- DE 9400220 W 19940301
- DE 4308353 A 19930316

Abstract (en)

[origin: DE4308353C1] Sensor, which can be mounted on a vehicle, and is suitable for the early diagnosis of the consequences of accidents. For the detection of a mechanical change in shape, the sensor contains a plurality of electrically conductive strips which run in parallel over a longitudinal extent which is large in comparison with the width of the strip. A first strip (W) has a clearly measurable ohmic longitudinal resistance (Rx) and when deformation takes place it comes into galvanic contact with a second strip (W) so that in the case of an accident the location (O) of the contact can be at least approximately measured by measuring the ohmic resistance (Rx) between terminals (A) of the first and of the second strip (W). A third strip (C) interacts capacitively with another one of the strips (C) in the case of deformation of the sensor, so that in the case of an accident the size of the surface of the third strip (C) affected by the deformation can be at least approximately measured by measuring the change in capacitance between the third strip and the other strip (C). <IMAGE>

IPC 1-7

**B60R 21/00**; **B60R 21/32**; **B60R 22/46**

IPC 8 full level

**B60R 21/01** (2006.01); **G01D 5/16** (2006.01); **G01D 5/24** (2006.01); **G01P 15/00** (2006.01); **G01P 15/12** (2006.01); **G01P 15/125** (2006.01); **G01P 15/135** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 9421492A1

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