

Title (en)

ANTI-PINCH SENSOR AND EVALUATION CIRCUIT

Title (de)

EINKLEMMSENSOR SOWIE AUSWERTESCHALTUNG

Title (fr)

CAPTEUR ANTI-PINCEMENT ET CIRCUIT D'ÉVALUATION

Publication

**EP 2044690 A2 20090408 (DE)**

Application

**EP 07785802 A 20070602**

Priority

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Abstract (en)

[origin: WO2008006424A2] The invention relates to an anti-pinch sensor (1,1',1''), especially for detecting an obstacle in the path of a regulating element of a motor vehicle, said sensor comprising a sensor body (2), a first measuring electrode (4) which is arranged in the sensor body (2) and is used to produce a first outer electrical field (12) in relation to a counter-electrode (9), and an electrically separated second measuring electrode (6) which is arranged adjacently to the first measuring electrode (4) in the sensor body (2) and is used to produce a second outer electrical field (14) in relation to the counter electrode (9). The measuring electrodes (4, 6) are embodied in such a way that the first outer electrical field (12) has a larger range than the second outer electrical field (14). The invention also relates to an evaluation circuit suitable for evaluating an anti-pinch sensor (1,1',1''). The detection reliability of such a clamping sensor (1,1',1'') is not affected by dirt or water (10) on the surface thereof.

IPC 8 full level

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