

Title (en)

POSITION SENSOR AND METHOD FOR OPERATING A POSITION SENSOR

Title (de)

POSITIONSSENSOR UND VERFAHREN ZUM BETREIBEN EINES POSITIONSSENSORS

Title (fr)

CAPTEUR DE POSITION ET PROCEDE POUR FAIRE FONCTIONNER UN CAPTEUR DE POSITION

Publication

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Application

**EP 06778295 A 20060821**

Priority

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Abstract (en)

[origin: WO2007025894A2] The invention relates to a position sensor and to a method for operating a position sensor. In a position sensor, in particular, a selection area sensor in an automatic gearbox of a motor vehicle, wherein a displaceable slot is in magnetic contact in a contactless manner with a line of Hall elements, whereby the slot is arranged in the direction of displacement of each Hall sensor and comprises a strip made of bit-coded permanent magnets, an evaluation system is connected to the Hall elements which are used to transfer measuring signals of each Hall element. The evaluation system is embodied such that it can determine the actual position of the slot based on measuring signals of each of the Hall elements. The aim of the invention is to improve the connection between the position sensor and a respective evaluation system. As a result, the signal outputs of the two Hall elements are combined in order to add the output signals.

IPC 8 full level

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