

Title (en)
ANGLE SENSOR

Title (de)
WINKELSENSOR

Title (fr)
DETECTEUR D'ANGLE

Publication
EP 1842032 A1 20071010 (EN)

Application
EP 06701784 A 20060113

Priority

- IB 2006050123 W 20060113
- EP 05100261 A 20050118
- EP 06701784 A 20060113

Abstract (en)
[origin: WO2006077508A1] In an angle sensor comprising at least one flat magnetoresistive sensor element, each of these has: at least one first and at least one second supply terminal for being acted upon by at least one supply voltage for generating a drop in the supply voltage in a predefined direction along the flat dimension of the sensor element and/or at least one supply current for generating a flow of the supply current in the predefined direction, at least two tapping electrodes for tapping off a differential voltage which is produced by the drop in the supply voltage or by the flow of the supply current under the effect of the field strength and/or the direction of a magnetic field acting on the angle sensor between the tapping electrodes. In order to avoid the influence of lead resistances, at least the first supply terminal or one of the first supply terminals and at least the second supply terminal or one of the second supply terminals of at least one of the sensor elements is coupled to a power source for supplying an impressed supply voltage to the at least one sensor element.

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