

Title (en)

MAGNETIC FIELD SENSOR AND METHOD FOR OPERATING SAID MAGNETIC FIELD SENSOR

Title (de)

MAGNETFELDSSENSOR UND VERFAHREN ZUM BETRIEB DES MAGNETFELDSSENSORS

Title (fr)

CAPTEUR DE CHAMP MAGNETIQUE ET PROCEDE POUR FAIRE FONCTIONNER UN TEL CAPTEUR

Publication

EP 1527350 A1 20050504 (DE)

Application

EP 03766411 A 20030729

Priority

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- EP 0350342 W 20030729

Abstract (en)

[origin: WO2004013645A1] Disclosed is a magnetic field sensor for measuring at least one component of a magnetic field, comprising a ferromagnetic core (4) used as a magnetic field concentrator, an excitation coil (3), and a readout sensor (5). Preferably, the readout sensor (5) is provided with two sensors that are arranged near the outer edge of the ferromagnetic core (4) and measures the at least one component of the magnetic field. The ferromagnetic core (4) is ring-shaped. The excitation coil (3) is temporarily impinged upon by a current when the magnetic field sensor is operated in order to bring the ferromagnetic core (4) into a state of predetermined magnetization.

IPC 1-7

G01R 33/04; **G01R 33/06**

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2004013645A1

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