

Title (en)

CONTACTLESS DISPLACEMENT MEASURING SYSTEM

Title (de)

BERÜHRUNGSLOS ARBEITENDES WEGMESSSYSTEM

Title (fr)

SYSTEME DE MESURE DE DEPLACEMENT FONCTIONNANT SANS CONTACT

Publication

EP 1685365 A2 20060802 (DE)

Application

EP 04790056 A 20041028

Priority

- DE 2004002408 W 20041028
- DE 10354375 A 20031120

Abstract (en)

[origin: WO2005052506A2] The invention relates to a contactless displacement measuring system comprising a sensor (2) which contains a measuring coil (1) that can be subjected to an alternating current, said measuring coil (1) having at least two voltage taps (7). The system also comprises an electrically and/or magnetically conductive measurement object (4) that is allocated to the sensor (2) and an evaluation circuit (3). The sensor (2) and the measurement object (4) are displaceable in relation to one another in the longitudinal direction of the measuring coil (1). The invention is characterised in that the measurement object (4) has at least one marking (8) that influences the impedance of the measuring coil (1) between two voltage taps (7), so that the evaluation circuit (3) produces an output signal (9) that correlates with the position of the measurement object (4) in relation to the voltage taps (7).

IPC 8 full level

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