

Title (en)
MEASURING DEVICE FOR THE CONTACTLESS MEASUREMENT OF AN ANGLE OF ROTATION

Title (de)
MESSVORRICHTUNG ZUR BERÜHRUNGSLOSEN ERFASSUNG EINES DREHWINKELS

Title (fr)
DISPOSITIF DE MESURE SANS CONTACT D'UN ANGLE DE ROTATION

Publication
EP 1133676 A1 20010919 (DE)

Application
EP 99955755 A 19990922

Priority
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• DE 19852915 A 19981117

Abstract (en)
[origin: DE19852915A1] The inventive measuring device for the contactless measurement of an angle of rotation gamma consists of a soft-magnetic base plate (14) which serves as a rotor. Two segments (16, 17) are arranged in one plane with the base plate (14) and are separated by a slot (21) and a spacer gap (22). The base plate (14) is mounted on the pin (11). The extension (12) of said pin or the pin (11) itself consists of magnetically conductive material. A magnet (15) is arranged on the base plate (14). Said magnet (15) is smaller than the angle of rotation gamma and can be a single-block magnet or a magnet consisting of several members. The arrangement of the magnet (15) facilitates reproduction of various sections, for example, plateaus or sections deviating from the linear measuring line, within the measuring curve detected by the measuring device.

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G01D 5/14

IPC 8 full level
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