

Title (en)
DEVICE FOR NON-DESTRUCTIVELY EXAMINING AN OBJECT

Title (de)
EINRICHTUNG ZUR ZERSTÖRUNGSFREIEN UNTERSUCHUNG EINES OBJEKTS

Title (fr)
DISPOSITIF D'EXAMEN NON DESTRUCTEUR D'UN OBJET

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Application
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Priority
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Abstract (en)
[origin: WO2006046859A1] A device (100) is described for generating a measuring signal (M) being indicative for surface properties of an object (3) which is substantially manufactured of a ferromagnetic material (1). The device comprises: at least one magnet (20) with a magnet axis (21); two magnetic field sensors (30; 40) arranged at mutually different axial positions with respect to the said magnet axis (21); a control member (10) provided with inputs (12; 14) coupled with the magnetic field sensors (30; 40) for receiving the sensor signals (S1; S2) generated by these magnetic field sensors (30; 40), and provided with an output (19) for issuing the measuring signal (M). The control member (10) is adapted for generating the measuring signal (M) based on the sensor signals (S1; S2) received from both magnetic field sensors (30; 40), according to the formula $M = aS1 - a\beta S2$, wherein a and β are multiplication factors.

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Citation (search report)
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