

Title (en)  
PERFORMANCE-OPTIMIZED ACTUATION OF A FLUX GATE SENSOR

Title (de)  
LEISTUNGSOPTIMIERTE ANSTEUERUNG EINES FLUXGATESENSORS

Title (fr)  
COMMANDE OPTIMISÉE EN PUISSANCE D'UN DÉTECTEUR DE FLUX

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Application  
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Abstract (en)  
[origin: WO2011035973A1] The invention relates to a measuring device for measuring a magnetic field, comprising an excitation coil that is arranged around a soft magnetic core and connected to an excitation signal generator, and a detector coil that is arranged around the soft magnetic core and connected to an evaluation unit, wherein the excitation signal generator is designed to generate an excitation signal for creating a magnetic field and outputting it to the excitation coil, and wherein the evaluation unit is designed to evaluate a measured signal output by the detector coil. According to the invention, the excitation signal generator comprises a DC signal generator and an AC signal generator connected in series to the DC signal generator.

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