

Title (en)
METHOD FOR MEASURING MAGNETIC FIELD

Title (de)
VERFAHREN ZUR MAGNETFELDMESSUNG

Title (fr)
PROCÉDÉ POUR MESURER UN CHAMP MAGNÉTIQUE

Publication
EP 2630511 A4 20150624 (EN)

Application
EP 10858732 A 20101130

Priority
• UA A201012413 A 20101021
• UA 2010000090 W 20101130

Abstract (en)
[origin: WO2012054000A1] The method for measuring magnetic field includes measuring the output voltage of the galvanomagnetic transducer and calculation induction of the measured magnetic field according to the measured values of the output voltage and sensitivity of the galvanomagnetic transducer; herewith, the galvanomagnetic transducer contains, at least, two pairs of leads, and measurements are carried out in two stages - at the first stage the first pair of leads is used to supply power to the galvanomagnetic transducer, while the other pair is used to measure the output voltage; at the second stage the first pair of leads is used to measure the output voltage, whereas the other pair is used to supply power to the galvanomagnetic transducer. Sensitivity of the galvanomagnetic transducer is found, at least at one of the above stages by measuring at least two values of the output voltage, the first of which is caused by the action of measured magnetic field only, and the second is caused by the sum of the measured magnetic field and the test field, whose magnitude is given in advance.

IPC 8 full level
G01R 33/00 (2006.01); **G01R 33/06** (2006.01)

CPC (source: EP)
G01R 33/0035 (2013.01); **G01R 33/07** (2013.01)

Citation (search report)
• [X] EP 1637898 A1 20060322 - LEM LIAISONS ELECTRON MEC [CH]
• [X] WO 2008017348 A2 20080214 - FRAUNHOFER GES FORSCHUNG [DE], et al
• [A] N PETOUSIS ET AL: "Galvanomagnetic EffectSensors based on Hall Effectlassis", JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY REVIEW, 1 January 2009 (2009-01-01), pages 1 - 7, XP055118075, Retrieved from the Internet <URL:http://www.jestr.org/downloads/volume2/fulltext109.pdf> [retrieved on 20140515]
• See references of WO 2012054000A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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WO 2012054000 A1 20120426; EP 2630511 A1 20130828; EP 2630511 A4 20150624; UA 99187 C2 20120725

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