Title (en)

REMOTE TEMPERATURE SENSING DEVICE AND RELATED REMOTE TEMPERATURE SENSING METHOD

Title (de)

FERNTEMPERATURERFASSUNGSEINRICHTUNG UND DIESBEZÜGLICHES FERNTEMPERATURERFASSUNGSVERFAHREN

Title (fr)

DISPOSITIF DE DÉTECTION À DISTANCE DE TEMPÉRATURES, ET PROCÉDÉ CORRESPONDANT DE DÉTECTION À DISTANCE DE TEMPÉRATURES

Publication

EP 2269018 A4 20130925 (EN)

Application

EP 08743055 A 20080418

Priority

US 2008005019 W 20080418

Abstract (en)

[origin: WO2009145746A1] A device and method of remote temperature sensing, the device having a temperature sensor placeable on a rotating item utilizing the temperature sensor being a plurality of rectangular shaped amorphous magnetic alloy strips connected magnetically, wherein at least one of the strips has a predetermined ferromagnetic Curie temperature and another strip has a magnetic permeability exceeding 2,000.

IPC 8 full level

G01K 1/02 (2006.01); **G01K 7/38** (2006.01); **G01K 13/08** (2006.01)

CPC (source: EP)

G01K 1/024 (2013.01); **G01K 7/38** (2013.01); **G01K 13/08** (2013.01)

Citation (search report)

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- [A] US 2007263699 A1 20071115 - CLOTHIER BRIAN L [US], et al
- [L] EP 2269017 A1 20110105 - METGLAS INC [US]
- [X] RICHARD R FLETCHER ET AL: "Remotely Interrogated Temperature Sensors Based on Magnetic Materials", IEEE TRANSACTIONS ON MAGNETICS, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. 36, no. 5, September 2000 (2000-09-01), XP011032927, ISSN: 0018-9464
- [T] AZUMA D ET AL: "Remote Temperature Sensor Based on Amorphous Metal Strips", IEEE TRANSACTIONS ON MAGNETICS, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. 45, no. 10, October 2009 (2009-10-01), pages 4503 - 4505, XP011277224, ISSN: 0018-9464, DOI: 10.1109/TMAG.2009.2023611
- See references of WO 2009145746A1

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EP2269017A4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009145746 A1 20091203; CN 102066889 A 20110518; CN 102066889 B 20140702; EP 2269018 A1 20110105; EP 2269018 A4 20130925; HK 1157861 A1 20120706; JP 2011518331 A 20110623; JP 5351956 B2 20131127; KR 101419263 B1 20140716; KR 20100133019 A 20101220

DOCDB simple family (application)

US 2008005019 W 20080418; CN 200880129842 A 20080418; EP 08743055 A 20080418; HK 11111904 A 20111103; JP 2011504973 A 20080418; KR 20107025906 A 20080418