

Title (en)

DEVICE, ARRANGEMENT, AND METHOD FOR DETERMINING A TEMPERATURE

Title (de)

VORRICHTUNG, ANORDNUNG UND VERFAHREN ZUR BESTIMMUNG EINER TEMPERATUR

Title (fr)

DISPOSITIF, SYSTÈME ET PROCÉDÉ PERMETTANT DE DÉTERMINER UNE TEMPÉRATURE

Publication

**EP 2307866 A1 20110413 (DE)**

Application

**EP 08785411 A 20080731**

Priority

EP 2008006505 W 20080731

Abstract (en)

[origin: WO2010012296A1] The present invention relates to a particularly effective device for determining a temperature that can be used over a wide temperature range, having an electrical oscillation circuit (S) comprising at least one temperature-dependent member (TS1, TS2), a generator for exciting the oscillation circuit (S), a detection device (D) for capturing the oscillation of the oscillation circuit and for determining the temperature using at least one temperature-dependent parameter of the oscillation circuit (S), and an inductive coupling device (K) for inductively coupling the oscillation circuit to the generator (G) and the detection device (D). The invention further relates to an arrangement and a method for determining a temperature.

IPC 8 full level

**G01K 7/32** (2006.01); **G01K 13/08** (2006.01)

CPC (source: EP)

**G01K 7/32** (2013.01); **G01K 13/08** (2013.01)

Citation (search report)

See references of WO 2010012296A1

Citation (examination)

- DE 19510134 A1 19961002 - HYDROMETER GMBH [DE]
- DE 3248034 A1 19840705 - HEWLETT PACKARD GMBH [DE]
- DE 3007705 A1 19810917 - BBC BROWN BOVERI & CIE [DE]

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**WO 2010012296 A1 20100204**; EP 2307866 A1 20110413

DOCDB simple family (application)

**EP 2008006505 W 20080731**; EP 08785411 A 20080731