

Title (en)
METHOD FOR MEASURING A TEMPERATURE

Title (de)
VERFAHREN ZUM MESSEN EINER TEMPERATUR

Title (fr)
PROCÉDÉ DE MESURE D'UNE TEMPÉRATURE

Publication
EP 3058379 A1 20160824 (DE)

Application
EP 14781252 A 20141008

Priority
• DE 102013221210 A 20131018
• EP 2014071585 W 20141008

Abstract (en)
[origin: WO2015055483A1] The invention relates to a method for measuring a temperature (26) in a current sensor (24), which comprises a first electrically conductive material (32) and a second electrically conductive material (34) connected in series with the first electrically conductive material (32), through both of which electrically conductive materials an electric current flows (20), comprising: detecting a reference potential (40) on the first or second electrically conductive material (32, 34) on the basis of a first voltage drop (28) on the first electrically conductive material (32); detecting, preferably on the basis of the reference potential (40), a second voltage drop (30) on the second electrically conductive material (34); and determining the temperature (26) on the basis of a comparison (58) of the first voltage drop (28) and the second voltage drop (30).

IPC 8 full level
G01R 1/00 (2006.01); **G01K 7/16** (2006.01)

CPC (source: EP)
G01K 7/16 (2013.01)

Citation (search report)
See references of WO 2015055483A1

Citation (examination)
DE 102006001874 A1 20070719 - INFINEON TECHNOLOGIES AG [DE]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015055483 A1 20150423; CN 105899956 A 20160824; DE 102013221210 A1 20150423; EP 3058379 A1 20160824

DOCDB simple family (application)
EP 2014071585 W 20141008; CN 201480057312 A 20141008; DE 102013221210 A 20131018; EP 14781252 A 20141008