

Title (en)  
CURRENT-DETECTION DEVICE

Title (de)  
STROMERKENNUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE DÉTECTION DE COURANT

Publication  
**EP 3149505 A1 20170405 (FR)**

Application  
**EP 15725627 A 20150529**

Priority  
• FR 1401254 A 20140530  
• EP 2015062041 W 20150529

Abstract (en)  
[origin: WO2015181383A1] The invention relates to a current-detection device (300) which is characterised in that it includes: a first conducting wire (306) crossed by an external current (iext) to be measured, said first wire creating an external magnetic field (Bext) in its vicinity; and a magnetometric sensor (310) positioned in the vicinity of the first conductive wire, said sensor being sensitive to a flux of the external magnetic field and capable of generating a measurement signal corresponding to the external current.

IPC 8 full level  
**G01R 33/04** (2006.01); **G01R 15/20** (2006.01); **G01R 19/15** (2006.01)

CPC (source: CN EP US)  
**G01R 15/20** (2013.01 - CN EP US); **G01R 19/00** (2013.01 - CN); **G01R 33/035** (2013.01 - EP US); **G01R 33/04** (2013.01 - EP US)

Citation (search report)  
See references of WO 2015181383A1

Citation (examination)  
• US 2013057273 A1 20130307 - IDE YOSUKE [JP]  
• US 2007090825 A1 20070426 - SHOJI SHIGERU [JP]  
• US 6285186 B1 20010904 - MOROOKA TOSHIMITSU [JP]

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 2015181383 A1 20151203**; CN 106415281 A 20170215; EP 3149505 A1 20170405; FR 3021750 A1 20151204; FR 3021750 B1 20160701; US 2017192039 A1 20170706

DOCDB simple family (application)  
**EP 2015062041 W 20150529**; CN 201580029067 A 20150529; EP 15725627 A 20150529; FR 1401254 A 20140530; US 201515314958 A 20150529