

Title (en)  
CONTACTLESS CURRENT SENSOR

Title (de)  
KONTAKTLOSER STROMSENSOR

Title (fr)  
CAPTEUR DE COURANT SANS CONTACT

Publication  
**EP 2761309 A1 20140806 (FR)**

Application  
**EP 12756766 A 20120802**

Priority  
• FR 1158584 A 20110926  
• FR 2012051836 W 20120802

Abstract (en)  
[origin: WO2013045778A1] The invention relates to a contactless current sensor, including: - a set of windings (8) consisting of at least one winding (3) wound about the core (2) thereof, said core being made of a material sensitive to the magnetic field, said set being located immediately adjacent to a bar (1) through which the current (I) to be measured passes; and a controller (11), which sends an energizing current (10) and a counter-reaction current (12) towards the set of windings (8), and which receives, as information, the voltage (9) induced by the temporal variation of the magnetic induction (B) in the core of said at least one winding of the set of windings (8), or in the cores of the windings of the set of windings (8) (see figure).

IPC 8 full level  
**G01R 15/18** (2006.01)

CPC (source: EP)  
**G01R 15/185** (2013.01); **G01R 15/181** (2013.01); **G01R 33/04** (2013.01)

Citation (search report)  
See references of WO 2013045778A1

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)  
**FR 2980581 A1 20130329; FR 2980581 B1 20170818**; EP 2761309 A1 20140806; WO 2013045778 A1 20130404; WO 2013045778 A8 20130718

DOCDB simple family (application)  
**FR 1158584 A 20110926**; EP 12756766 A 20120802; FR 2012051836 W 20120802