

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
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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).

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