

Title (en)

FASTENING ELEMENT FOR A CURRENT SENSOR

Title (de)

BEFESTIGUNGSELEMENT FÜR EINEN STROMSENSOR

Title (fr)

ÉLÉMENT DE FIXATION POUR UN CAPTEUR DE COURANT

Publication

EP 3114361 A1 20170111 (DE)

Application

EP 15703864 A 20150120

Priority

- DE 102014102793 A 20140303
- DE 2015100026 W 20150120

Abstract (en)

[origin: WO2015131875A1] The object of the present invention is to reduce the manual assembly effort of current sensors, and to specify a configuration for a fastening element (1) by means of which a current sensor (2) can be fastened on a fastening surface (3) in both lying and standing positions with the lowest possible effort. The fastening element (1) according to the invention therefore proposes at least one, preferably two, snap-in locking devices and can thus be fastened ("clipped") on to the current sensor with the lowest possible manual effort. For example, two fastening elements (1, 1') according to the invention, with the snap-in locking devices on opposite sides, can be inserted into the same screw passages (23, 24) of the current sensor (2) and, in particular, lock each other in place using the snap-in locking devices in a screw hole (231, 241) belonging to the respective screw passage (23, 24) and thus are held on the current sensor (2).

IPC 8 full level

F16B 21/07 (2006.01); **G01R 1/04** (2006.01); **G01R 15/18** (2006.01); **H01F 27/06** (2006.01); **H01F 38/30** (2006.01)

CPC (source: CN EP RU US)

F16B 21/071 (2013.01 - CN EP US); **F16B 21/073** (2013.01 - CN EP RU US); **G01R 1/04** (2013.01 - CN EP RU US); **G01R 15/18** (2013.01 - US); **G01R 15/183** (2013.01 - EP RU US); **G01R 19/0092** (2013.01 - RU US); **H01F 27/06** (2013.01 - EP RU US); **H01F 38/30** (2013.01 - EP US); **G01R 15/188** (2013.01 - EP US)

Citation (search report)

See references of WO 2015131875A1

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)

DE 102014102793 A1 20150903; **DE 102014102793 B4 20190110**; CN 106068457 A 20161102; CN 106068457 B 20201027; EP 3114361 A1 20170111; RU 2642390 C1 20180124; US 2016377659 A1 20161229; WO 2015131875 A1 20150911

DOCDB simple family (application)

DE 102014102793 A 20140303; CN 201580010870 A 20150120; DE 2015100026 W 20150120; EP 15703864 A 20150120; RU 2016138689 A 20150120; US 201515111970 A 20150120