

Title (en)

ELECTROMAGNETIC POWER CONTACTOR PROVIDED WITH A CONTROL ROD WITH STOP

Title (de)

ELEKTROMAGNETISCHER LEISTUNGSSCHÜTZ MIT EINEM REGELSTAB MIT ANSCHLAG

Title (fr)

CONTACTEUR ÉLECTROMAGNÉTIQUE DE PUISSANCE MUNI D'UNE TIGE DE COMMANDE A BUTÉE D'ARRÊT

Publication

**EP 3175470 A1 20170607 (FR)**

Application

**EP 15753733 A 20150730**

Priority

- FR 1457503 A 20140801
- FR 2015052117 W 20150730

Abstract (en)

[origin: WO2016016585A1] The invention relates to an electromagnetic contactor (1) including: - first (2) and second (2) magnetic cores, the second core (2) being mobile relative to the first core (1); - a control rod (13) mobile between an inoperative position and a supply position, said control rod (13) comprising a shoulder (131), in inoperative position: - said shoulder (131) comprises one surface in contact with said first magnetic core (2), - said first magnetic core (2) and said control rod (13) separating a first chamber (37) extending between the first (2) and second (3) magnetic cores and a second chamber (38) in which said contact plate (17) is located, and - at least one opening (40) made between said first chamber (37) and said second chamber (38) allowing the transfer of air from said first chamber (37) to said second chamber (38) when said second magnetic core (3) moves from the inoperative position to the magnetised position.

IPC 8 full level

**H01H 51/06** (2006.01)

CPC (source: EP US)

**H01H 50/12** (2013.01 - US); **H01H 50/14** (2013.01 - US); **H01H 50/56** (2013.01 - US); **H01H 51/065** (2013.01 - EP US); **H01H 9/047** (2013.01 - EP US); **H01H 13/82** (2013.01 - EP US); **H01H 2235/01** (2013.01 - US)

Citation (search report)

See references of WO 2016016585A1

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 2016016585 A1 20160204**; EP 3175470 A1 20170607; FR 3024585 A1 20160205; FR 3024585 B1 20160715; JP 2017522704 A 20170810; JP 6599429 B2 20191030; US 10153117 B2 20181211; US 2017221665 A1 20170803

DOCDB simple family (application)

**FR 2015052117 W 20150730**; EP 15753733 A 20150730; FR 1457503 A 20140801; JP 2017505444 A 20150730; US 201515500693 A 20150730