

Title (en)

ACTUATOR WITH A THERMOMAGNETIC SHUNT, ESPECIALLY FOR TRIGGERING A CIRCUIT BREAKER

Title (de)

AKTUATOR MIT EINEM THERMOMAGNETISCHEN SHUNT, INSBESONDERE ZUM AUSLÖSEN EINES LEISTUNGSSCHALTERS

Title (fr)

ACTIONNEUR A SHUNT MAGNETOTHERMIQUE, EN PARTICULIER POUR LE DECLENCHEMENT DE DISJONCTEUR

Publication

EP 2926355 B1 20190424 (FR)

Application

EP 13808100 A 20131125

Priority

- FR 1261532 A 20121203
- FR 2013052836 W 20131125

Abstract (en)

[origin: WO2014087073A1] The invention relates to an electromagnetic actuator (10) provided with a saturable magnetic shunt system (18). The shunt (18) is associated with the coil (14) of the actuator (10) and allows the channeling of a more or less large part of the flow (B) according to the current (I) circulating in the product. In this way, when it is used in a circuit breaker, the actuator (10) allows the circuit breaker to be triggered from a short circuit as usual and also from overload caused by the action of the shunt.

IPC 8 full level

H01F 7/06 (2006.01); **H01H 50/16** (2006.01); **H01H 71/24** (2006.01)

CPC (source: CN EP US)

H01F 7/081 (2013.01 - CN EP US); **H01F 7/1607** (2013.01 - CN EP US); **H01F 7/1638** (2013.01 - CN EP US); **H01H 50/16** (2013.01 - CN EP US); **H01H 71/142** (2013.01 - US); **H01H 71/2454** (2013.01 - CN EP US); **H01H 71/2463** (2013.01 - US)

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

DOCDB simple family (publication)

FR 2999014 A1 20140606; **FR 2999014 B1 20160115**; CN 104781902 A 20150715; CN 104781902 B 20170609; EP 2926355 A1 20151007; EP 2926355 B1 20190424; US 2015318135 A1 20151105; US 9355803 B2 20160531; WO 2014087073 A1 20140612

DOCDB simple family (application)

FR 1261532 A 20121203; CN 201380058281 A 20131125; EP 13808100 A 20131125; FR 2013052836 W 20131125; US 201314647363 A 20131125