Title (en)

COMMANDABLE TRIP UNIT FOR AN ELECTRICAL CIRCUIT BREAKER

Title (de)

STEUERBARER AUSLÖSER FÜR EINEN ELEKTRISCHEN TRENNSCHALTER

Title (fr)

DÉCLENCHEUR COMMANDABLE POUR UN DISJONCTEUR ÉLECTRIQUE

Publication

EP 3288059 B1 20190123 (FR)

Application

EP 17187020 A 20170821

Priority

FR 1657867 A 20160823

Abstract (en)

[origin: US2018061604A1] A controllable trip device includes a magnetic actuator, including a coupling member intended to be coupled to a switching mechanism of an electrical circuit breaker to cause the switching thereof and a coil configured to displace the coupling member towards a tripped position when it is supplied with a pulse of a current of intensity greater than a first predefined threshold for a duration greater than or equal to a predefined duration, a control device, configured to supply the coil, immediately on receipt of a control signal, with a series of pulses of duration equal to the predefined duration and of intensity greater than or equal to the first threshold and less than or equal to a second threshold equal at most to 120% of the first threshold.

IPC 8 full level

H01H 71/68 (2006.01); **H01H 89/08** (2006.01)

CPC (source: CN EP RU US)

H01H 1/00 (2013.01 - RU); **H01H 47/04** (2013.01 - US); **H01H 50/021** (2013.01 - US); **H01H 71/24** (2013.01 - CN); **H01H 71/68** (2013.01 - EP US); **H01H 89/08** (2013.01 - EP US); H01H 51/00 (2013.01 - US); H01H 2047/006 (2013.01 - EP US); H01H 2047/025 (2013.01 - US); H01H 2071/665 (2013.01 - EP US); H01H 2300/024 (2013.01 - EP US)

Cited by

FR3114680A1; US11881370B2

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)

EP 3288059 A1 20180228; **EP 3288059 B1 20190123**; BR 102017013872 A2 20180313; BR 102017013872 B1 20231219; CN 107768204 A 20180306; CN 107768204 B 20210810; ES 2721229 T3 20190729; FR 3055465 A1 20180302; FR 3055465 B1 20191122; PL 3288059 T3 20190731; RU 2017129112 A 20190218; RU 2017129112 A3 20200928; RU 2752849 C2 20210811; US 10249461 B2 20190402; US 2018061604 A1 20180301

DOCDB simple family (application)

EP 17187020 A 20170821; BR 102017013872 A 20170627; CN 201710700948 A 20170816; ES 17187020 T 20170821; FR 1657867 A 20160823; PL 17187020 T 20170821; RU 2017129112 A 20170816; US 201715668199 A 20170803