

Title (en)

A MV SWITCHING DEVICE OF THE ELECTROMAGNETIC TYPE

Title (de)

MV-SCHALTVORRICHTUNG VOM ELEKTROMAGNETISCHEN TYP

Title (fr)

DISPOSITIF DE COMMUTATION MV DE TYPE ÉLECTROMAGNÉTIQUE

Publication

EP 3671798 A1 20200624 (EN)

Application

EP 18215166 A 20181221

Priority

EP 18215166 A 20181221

Abstract (en)

A switching device (1) for medium voltage applications comprising:- one or more electric poles, each comprising a movable contact (11) and a fixed contact (12) adapted to be coupled or uncoupled during a switching operation of said switching device;- an electromagnetic actuator (13) comprising a magnetic core (131), a coil arrangement (132) wound around said magnetic core and a movable plunger (133) operatively coupled to the movable contacts of said electric poles;- a control unit (14) for controlling switching operations of said switching device.Said electromagnetic actuator (13) comprises a conditioning circuit (135) adapted to modify the electric behaviour of said coil arrangement (132) when said conditioning circuit is electrically connected with said coil arrangement.Said conditioning circuit is electrically connected with or disconnected from said coil arrangement, when said movable contact (11) reaches or overruns a reference position (P) during a switching operation of said switching device.

IPC 8 full level

H01H 47/02 (2006.01); **H01H 47/22** (2006.01)

CPC (source: EP)

H01H 47/02 (2013.01); **H01H 47/22** (2013.01)

Citation (applicant)

EP 2998977 A1 20160323 - ABB TECHNOLOGY AG [CH]

Citation (search report)

- [XAY] EP 2983187 A2 20160210 - TYCO ELECTRONICS SHANGHAI CO LTD [CN]
- [Y] EP 3319110 A1 20180509 - ROCKWELL AUTOMATION SWITZERLAND GMBH [CH]
- [Y] FR 3054369 A1 20180126 - ZODIAC AERO ELECTRIC [FR]
- [AD] EP 2998977 A1 20160323 - ABB TECHNOLOGY AG [CH]

Cited by

CN113612411A

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

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