

Title (en)

Electro-mechanical switching component with electro-magnetic control for electricity-generating units or emergency generators

Title (de)

Elektromechanische Schaltkomponente mit elektromagnetischer Steuerung für stromerzeugende Einheiten oder Notstromgeneratoren

Title (fr)

Composant de commutation électro-mécanique doté d'un contrôle électro-mécanique pour unités de génération d'électricité ou des générateurs de secours

Publication

**EP 2444989 A1 20120425 (EN)**

Application

**EP 10425337 A 20101020**

Priority

EP 10425337 A 20101020

Abstract (en)

A switching component of electric lines with electro-magnetic control (1) is described, for electricity-generating units or emergency electric energy generators, comprising: at least one metallic base (3); at least one first four-pole actuating member with electro-magnetic control (5) equipped with eight respective terminals, four terminals (7, 9, 11, 13) for connecting to users, one of which (7) is a neutral pole, and four terminals (X, Y, W, Z) for connecting with a generator, one of which (Z) is a neutral pole, and at least one second four-pole actuating member with electro-magnetic control (6) equipped with four respective terminals (15, 17, 19, 21) for connection to mains, one of which (15) is a neutral pole, wherein the first and the second actuating member (5, 6) are assembled on the metallic base (3) and rigidly mutually interconnected, being enclosed by a front protecting element (31), that joins the first and the second actuating member (5, 6); wherein the first and the second actuating member (5, 6) are assembled with the power connections for switching between mains and electricity-generating unit or emergency generator and the neutral pole (13) of the first actuating member (5) is connected to the neutral pole of the second actuating member (6) through first connecting means (23), the second pole (11) of the first actuating member (5) is connected to the second pole of the second actuating member (6) through second connecting means (25), the third pole (9) of the first actuating member (5) is connected to the third pole of the second actuating member (6) through third connecting means (27), and the fourth pole (7) of the first actuating member (5) is connected to the fourth pole of the second actuating member (6) through fourth connecting means (29).

IPC 8 full level

**H01H 50/14** (2006.01); **H02B 1/20** (2006.01)

CPC (source: EP)

**H01H 50/14** (2013.01); **H01H 9/26** (2013.01); **H01H 50/047** (2013.01); **H01H 71/0271** (2013.01); **H01H 71/082** (2013.01); **H01H 2050/049** (2013.01); **H01H 2071/1036** (2013.01); **H01H 2300/018** (2013.01)

Citation (search report)

- [I] EP 1291977 A2 20030312 - GE POWER CONTROLS IBERICA S L [ES]
- [I] EP 1583126 A1 20051005 - FUJI ELECTRIC HOLDINGS [JP]
- [A] EP 0952600 A2 19991027 - BTICINO SPA [IT]

Cited by

EP4235727A1

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)

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DOCDB simple family (application)

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