

Title (en)

ELECTROMAGNETIC ACTUATOR WITH MULTIPLE WINDINGS

Title (de)

ELEKTROMAGNETISCHER AKTUATOR MIT MEHREREN WICKLUNGEN

Title (fr)

ACTIONNEUR ÉLECTROMAGNÉTIQUE À BOBINES MULTIPLES

Publication

EP 3218917 B1 20190102 (FR)

Application

EP 15804888 A 20151110

Priority

- FR 1460980 A 20141114
- FR 2015053040 W 20151110

Abstract (en)

[origin: WO2016075404A1] A line protection electromagnetic actuator, comprising a differential winding (2) generating a magnetic field in response to a differential fault on the current line to be protected, and a magnetic winding (1). This electromagnetic actuator is characterised in that it also comprises a third winding (3) engaged with said differential winding (2) and magnetic winding (1), traversed by a current of which the direction is reversed relative to that of the differential winding (2) when a current flows between the phase Ph and the neutral N of the actuator, and generating a magnetic field opposed to the magnetic field created by the differential winding (2), said third winding (3) being connected in parallel to the differential winding (2), between the phase Ph and the neutral N of the line to be protected, and controlled by control means.

IPC 8 full level

H01H 83/14 (2006.01); **H01H 71/30** (2006.01)

CPC (source: CN EP)

H01H 83/144 (2013.01 - CN EP); **H01H 71/30** (2013.01 - CN EP)

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)

WO 2016075404 A1 20160519; AU 2015344911 A1 20170601; AU 2015344911 B2 20200319; CN 107148660 A 20170908; CN 107148660 B 20190528; EP 3218917 A1 20170920; EP 3218917 B1 20190102; FR 3028663 A1 20160520; FR 3028663 B1 20161216

DOCDB simple family (application)

FR 2015053040 W 20151110; AU 2015344911 A 20151110; CN 201580061030 A 20151110; EP 15804888 A 20151110; FR 1460980 A 20141114