

Title (en)

DEVICE FOR SWITCHING A DIRECT CURRENT

Title (de)

VORRICHTUNG ZUM SCHALTEN EINES GLEICHSTROMS

Title (fr)

DISPOSITIF DE COMMUTATION D'UN COURANT CONTINU

Publication

EP 3072143 A1 20160928 (DE)

Application

EP 14703039 A 20140121

Priority

EP 2014051100 W 20140121

Abstract (en)

[origin: WO2015110142A1] The invention relates to a device (1) for switching a direct current, comprising an operating current path (5), which has a mechanical switch (7), a switch-off current path (15) which is connected in parallel to the operating current path (5) and has a power-electronic switch (17), and a commutation device which allows commutation of the direct current from the operating current path (5) to the switch-off current path (15). The device is characterized in that the commutation device comprises a transformer (21).

IPC 8 full level

H01H 9/54 (2006.01); **H01H 33/59** (2006.01)

CPC (source: EP KR RU US)

H01H 9/54 (2013.01 - RU); **H01H 9/542** (2013.01 - EP KR US); **H01H 33/596** (2013.01 - EP KR US); **H01H 2009/544** (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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015110142 A1 20150730; CN 105917431 A 20160831; CN 105917431 B 20190628; EP 3072143 A1 20160928; EP 3072143 B1 20170927; ES 2654098 T3 20180212; KR 101832868 B1 20180228; KR 20160100398 A 20160823; PL 3072143 T3 20180330; RU 2016129625 A 20180228; RU 2016129625 A3 20180228; RU 2654533 C2 20180521; US 10354820 B2 20190716; US 2017011875 A1 20170112

DOCDB simple family (application)

EP 2014051100 W 20140121; CN 201480073176 A 20140121; EP 14703039 A 20140121; ES 14703039 T 20140121; KR 20167019871 A 20140121; PL 14703039 T 20140121; RU 2016129625 A 20140121; US 201415113056 A 20140121