

Title (en)
DC CONTACTOR WITH ADDITIONAL SWITCHING FOR AC LOADS AND POLLING CONTRARY TO THE PREFERRED POWER DIRECTION

Title (de)
GLEICHSTROMSCHÜTZ MIT ZUSÄTZLICHER SCHALTTAUGLICHKEIT FÜR WECHSELSTROMLASTEN UND POLUNG ENTGEGEN DER VORZUGSSTROMRICHTUNG

Title (fr)
PROTECTION COURANT CONTINU AYANT UNE CAPACITÉ DE COMMUTATION ACCRUE POUR DES CHARGES À COURANT ALTERNATIF ET POLARISATION DANS LE SENS OPPOSÉ À LA DIRECTION DE COURANT PRÉDOMINANTE

Publication
EP 2927927 B1 20160525 (DE)

Application
EP 15000874 A 20150324

Priority
DE 102014004843 A 20140402

Abstract (en)
[origin: US2015287560A1] Disclosed is a DC contactor comprising a double break with two contact points, each having a fixed and a movable contact, the movable contacts arranged on a contact bridge. The contactor includes an arc extinguishing device and a blowing device configured to blow a switch arc, which forms at the first contact point when the contact points are being opened, into the arc extinguishing device, when switching takes place in the preferential current direction. A commutating plate is arranged adjacent the movable contact of the first contact point, the contact bridge and the commutating plate being electrically insulated from one another and the commutating plate being potentially connected to the fixed contact of the second contact point, so that, when switching takes place in the preferential current direction, the switch arc forming at the first contact point jumps from the contact bridge to the commutating plate by the blowing device.

IPC 8 full level
H01H 33/18 (2006.01); **H01H 9/36** (2006.01); **H01H 9/44** (2006.01); **H01H 33/59** (2006.01)

CPC (source: EP RU US)
H01H 9/362 (2013.01 - EP US); **H01H 9/44** (2013.01 - EP RU US); **H01H 33/08** (2013.01 - US); **H01H 33/18** (2013.01 - EP US); **H01H 33/182** (2013.01 - US); **H01H 33/596** (2013.01 - EP US)

Cited by
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DOCDB simple family (publication)
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