

Title (en)

SWITCH AND PROTECTIVE DEVICE FOR HIGH VOLTAGE ON-BOARD NETWORKS

Title (de)

SCHALT- UND SCHUTZEINRICHTUNG FÜR HOCHVOLT-BORDNETZE

Title (fr)

DISPOSITIF DE PROTECTION ET DE COMMUTATION POUR RESEAUX DE BORD HAUTE TENSION

Publication

EP 3046124 B1 20170726 (DE)

Application

EP 15194104 A 20151111

Priority

DE 102015200507 A 20150115

Abstract (en)

[origin: US2016211087A1] A switching and protection device for high-voltage onboard electrical systems having a DC-voltage switch and a fuse, wherein the DC-voltage switch includes a housing, at least two fixed contacts, and a bridge designed to be movable with respect to the fixed contacts, wherein the bridge is formed from an electric insulator, wherein two contacts are arranged on the bridge such that, during a movement of the bridge in the direction of the fixed contacts, the two contacts make contact with the fixed contacts, wherein the two contacts arranged on the bridge are electrically connected to each other via the fuse.

IPC 8 full level

H01H 9/10 (2006.01); **H01H 1/20** (2006.01); **H01H 50/02** (2006.01); **H01H 50/54** (2006.01)

CPC (source: CN EP US)

H01H 1/14 (2013.01 - US); **H01H 1/20** (2013.01 - EP US); **H01H 3/02** (2013.01 - US); **H01H 9/102** (2013.01 - EP US); **H01H 21/165** (2013.01 - US); **H01H 50/546** (2013.01 - EP US); **H01H 71/02** (2013.01 - CN); **H01H 71/08** (2013.01 - CN); **H01H 85/06** (2013.01 - CN); **H01H 85/38** (2013.01 - CN); **H01H 89/00** (2013.01 - US); **H01H 9/302** (2013.01 - EP US); **H01H 9/32** (2013.01 - EP US); **H01H 9/36** (2013.01 - EP US); **H01H 9/46** (2013.01 - EP US); **H01H 50/021** (2013.01 - EP US); **H01H 85/0241** (2013.01 - EP US); **H01H 2085/386** (2013.01 - CN); **H01H 2223/002** (2013.01 - US)

Cited by

EP3345203A4; FR3131976A1

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)

EP 3046124 A1 20160720; **EP 3046124 B1 20170726**; CN 105810515 A 20160727; CN 105810515 B 20180914; DE 102015200507 A1 20160721; JP 2016134383 A 20160725; JP 6165278 B2 20170719; KR 101798730 B1 20171212; KR 20160088228 A 20160725; US 10276314 B2 20190430; US 2016211087 A1 20160721

DOCDB simple family (application)

EP 15194104 A 20151111; CN 201510971213 A 20151222; DE 102015200507 A 20150115; JP 2016005893 A 20160115; KR 20150183739 A 20151222; US 201514967287 A 20151212