

Title (en)  
SWITCH DEVICE WITH CONTACT COVER

Title (de)  
SCHALTGERÄT MIT KONTAKTABDECKUNG

Title (fr)  
COMMUTATEUR À COUVERCLE DE CONTACT

Publication  
**EP 3607572 A1 20200212 (DE)**

Application  
**EP 18717831 A 20180406**

Priority  
• DE 102017107441 A 20170406  
• EP 2018000167 W 20180406

Abstract (en)  
[origin: WO2018184727A1] The invention relates to a switch device with at least one contact point. The contact point has a first contact and a second contact, and the first and second contact are mutually spaced in an open position and electrically contact each other in a closed position. The contact point is paired with an arc blow-out device in order to generate a blow-out field, and the blow-out field is produced such that an arc which is produced when the contact point is opened is blown away from the contact point. According to the invention, at least one of the two contacts has a non-conductive cover on the side which faces away from the contact and away from the respective other contact, said non-conductive cover preventing the root of the arc from crossing the side facing away from the contact.

IPC 8 full level  
**H01H 9/30** (2006.01); **H01H 9/44** (2006.01)

CPC (source: EP KR US)  
**H01H 9/30** (2013.01 - KR); **H01H 9/302** (2013.01 - EP KR US); **H01H 9/443** (2013.01 - EP KR US); **H01H 50/546** (2013.01 - KR US); **H01H 50/546** (2013.01 - EP); **H01H 2050/046** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2018184727A1

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 2018184727 A1 20181011**; CN 110678949 A 20200110; CN 110678949 B 20211214; DE 102017107441 A1 20181011; EP 3607572 A1 20200212; EP 3607572 B1 20230524; FI 3607572 T3 20230628; JP 2020513136 A 20200430; JP 2022017498 A 20220125; JP 7118503 B2 20220816; KR 102284978 B1 20210803; KR 20190131577 A 20191126; MY 196684 A 20230430; US 11600461 B2 20230307; US 2022310342 A1 20220929

DOCDB simple family (application)  
**EP 2018000167 W 20180406**; CN 201880037437 A 20180406; DE 102017107441 A 20170406; EP 18717831 A 20180406; FI 18717831 T 20180406; JP 2019553827 A 20180406; JP 2021180755 A 20211105; KR 20197032676 A 20180406; MY PI2019005612 A 20180406; US 201816603183 A 20180406