

Title (en)

GAS-INSULATED MEDIUM-VOLTAGE SWITCH WITH SHIELD DEVICE

Title (de)

GASISOLIERTER MITTELSPANNUNGSSCHALTER MIT ABSCHIRMVORRICHTUNG

Title (fr)

COMMUTATEUR MOYENNE TENSION À ISOLATION GAZEUSE COMPORTANT UN DISPOSITIF DE PROTECTION

Publication

**EP 3477675 A1 20190501 (EN)**

Application

**EP 17199202 A 20171030**

Priority

EP 17199202 A 20171030

Abstract (en)

According to a first aspect of the invention, a gas-insulated medium-voltage switch (1, 2) is provided. The switch (1, 2) comprises a first contact element (10) having a nominal contact surface (12), a second contact element (20) and a shield (50), wherein the shield (50) and the first contact element (10) are movable relative to each other between an exposing configuration and a shielding configuration, wherein in the exposing configuration, the shield (50) and the first contact element (10) are arranged to expose the nominal contact surface (12) to the second contact element (20), and in the shielding configuration, the shield (50) and the first contact element (10) are arranged to shield the nominal contact surface (12) from the second contact element (20). According to a second aspect of the invention, a method of performing a current breaking operation by a switch (1, 2) is provided.

IPC 8 full level

**H01H 33/70** (2006.01); **H01H 33/90** (2006.01); **H01H 1/38** (2006.01)

CPC (source: EP)

**H01H 33/7038** (2013.01); **H01H 33/90** (2013.01); **H01H 1/385** (2013.01); **H01H 33/904** (2013.01)

Citation (applicant)

WO 2014154292 A1 20141002 - ABB TECHNOLOGY LTD [CH]

Citation (search report)

- [XAI] US 2012280772 A1 20121108 - FUJITA DAISUKE [JP], et al
- [A] EP 0016983 A1 19801015 - LICENTIA GMBH [DE]

Cited by

EP4421836A1; EP4428887A1

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)

**EP 3477675 A1 20190501**; **EP 3477675 B1 20220302**; CN 112074923 A 20201211; CN 112074923 B 20220517; ES 2913627 T3 20220603; WO 2019086268 A1 20190509

DOCDB simple family (application)

**EP 17199202 A 20171030**; CN 201880065053 A 20181019; EP 2018078665 W 20181019; ES 17199202 T 20171030