

Title (en)

NEW DESIGN OF SPLITTER PLATE HOLDER FOR APPLICATION IN MEDIUM VOLTAGE GAS INSULATED LOAD BREAK SWITCHES

Title (de)

NEUES DESIGN EINES TEILERPLATTENHALTERS ZUR ANWENDUNG IN GASISOLIERTEN MITTELSPANNUNGSLASTTRENNSCHALTERN

Title (fr)

NOUVELLE CONCEPTION DE SUPPORT DE PLAQUE DE RÉPARTITION POUR UNE APPLICATION DANS DES SECTIONNEURS SOUS CHARGE ISOLÉ DE GAZ MOYENNE TENSION

Publication

EP 3905292 A1 20211103 (EN)

Application

EP 20171892 A 20200428

Priority

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Abstract (en)

A medium voltage gas insulated switch (100) comprising a first electric contact (102); and a second electric contact (104) that is moveable with respect to the first electric contact and a plurality (200) of splitter plates (200-1, 200-2, ...) configured to interrupt an electric arc (110) between the first electric contact (102) and the second electric contact (104) during the switching operation of the switch; a splitter plate holder (510) that holds the plurality of splitter plates; some of which are ferromagnetic; exterior side walls (500) of the splitter plate holder (510); wherein the splitter plate holder electrically insulates different splitter plates in the plurality of splitter plates; and wherein the exterior side walls (500) of the splitter plate holder (510) are configured to block a flow of gas perpendicular to the side walls and to prevent a bridging of the electric arc (110) around splitter plates (200-1, 200-2, ...) in the plurality (200) of splitter plates; and wherein the exterior side walls (500) are further configured to facilitate an evacuation of a hot gas by directing a flow of the hot gas in a direction parallel to the exterior side walls.

IPC 8 full level

H01H 33/10 (2006.01)

CPC (source: EP)

H01H 33/10 (2013.01); **H01H 9/342** (2013.01); **H01H 9/362** (2013.01); **H01H 2033/566** (2013.01)

Citation (search report)

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- [Y] WO 2018145969 A1 20180816 - LUCY ELECTRIC EMS LTD [GB]

Designated contracting state (EPC)

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Designated extension state (EPC)

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