

Title (en)  
ELECTRIC ARC-EXTINGUISHING DEVICE FOR AN ELECTRICAL PROTECTION APPARATUS, AND ELECTRICAL PROTECTION APPARATUS INCORPORATING SAID DEVICE

Title (de)  
ELEKTRISCHE LICHTBOGENLÖSCHEINRICHTUNG FÜR EINE ELEKTRISCHE SCHUTZVORRICHTUNG UND ELEKTRISCHE SCHUTZVORRICHTUNG MIT DIESER VORRICHTUNG

Title (fr)  
DISPOSITIF D'EXTINCTION D'UN ARC ELECTRIQUE POUR UN APPAREIL ELECTRIQUE DE PROTECTION ET APPAREIL ELECTRIQUE DE PROTECTION INTEGRANT LEDIT DISPOSITIF

Publication  
**EP 3857585 A1 20210804 (FR)**

Application  
**EP 18796707 A 20180925**

Priority  
FR 2018052346 W 20180925

Abstract (en)  
[origin: WO2020065141A1] The present invention relates to an electric arc-extinguishing device (1) for an electrical protection apparatus comprising:  
- splitter plates (3) in parallel with one another and held together by two support elements (4), each splitter plate (3) comprising an electric arc inlet recess (6), each electric arc inlet recess (6) defining two branches (10) that each of the splitter plates (3) comprises, - an electric arc anti-restrike element (11) made from electrically insulating material, the extinguishing device (1) being characterized in that: the main face (12) comprises an upstream area (AM) and a downstream area (AV), separate from one another, the upstream area (AM) being located on the surface of the branches (10) and being defined by the edge (6') of the recess (6), and the downstream area (AV) corresponding to the remaining surface of the main face (12), the main face (12) comprises a positioning area (P) for positioning said at least one anti-restrike element (11), facing which said at least one anti-restrike element (11) is positioned, the positioning area (P) extending between a first median axis (M1) of the upstream area (AM) and a second median axis (M2) of the downstream area (AV), said at least one anti-restrike element (11) has a predetermined length (L1) configured so as to prevent the electric arc from returning after it has split.

IPC 8 full level  
**H01H 9/36** (2006.01)

CPC (source: EP)  
**H01H 9/362** (2013.01); **H01H 2009/365** (2013.01)

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 2020065141 A1 20200402**; AU 2018443896 A1 20210429; AU 2018443896 B2 20220317; CN 113168983 A 20210723; CN 113168983 B 20240517; EP 3857585 A1 20210804; EP 3857585 B1 20220720

DOCDB simple family (application)  
**FR 2018052346 W 20180925**; AU 2018443896 A 20180925; CN 201880098054 A 20180925; EP 18796707 A 20180925