

Title (en)

CIRCUIT BREAKER WITH IMPROVED EXHAUST COOLING

Title (de)

LEISTUNGSSCHALTER MIT VERBESSERTER ABGASKÜHLUNG

Title (fr)

DISJONCTEUR AVEC AMÉLIORATION DU REFROIDISSEMENT D'ÉCHAPPEMENT

Publication

EP 3767659 A1 20210120 (EN)

Application

EP 19186329 A 20190715

Priority

EP 19186329 A 20190715

Abstract (en)

A circuit breaker which includes at least one quenching chamber is described. The quenching chamber is configured to be filled with insulating gas, extends along a longitudinal axis and includes an arcing zone and an exhaust zone. The exhaust zone is configured to dissipate hot insulating gases from the arcing zone into an exhaust tank. At least one deflection volume is enclosed by a deflection housing and is arranged within an inner volume of the exhaust zone. The at least one deflection volume is configured to fluidly connect the arcing zone with the exhaust tank through a plurality of openings within the deflection housing.

IPC 8 full level

H01H 33/70 (2006.01); **H01H 33/91** (2006.01)

CPC (source: EP)

H01H 33/7046 (2013.01); **H01H 33/91** (2013.01); **H01H 2033/888** (2013.01)

Citation (search report)

- [XII] EP 1403891 A1 20040331 - ABB SCHWEIZ AG [CH]
- [XA] WO 03096365 A1 20031120 - SIEMENS AG [DE], et al
- [XA] EP 2120244 A1 20091118 - ABB TECHNOLOGY AG [CH]

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 3767659 A1 20210120; JP 3239773 U 20221110; WO 2021009148 A1 20210121

DOCDB simple family (application)

EP 19186329 A 20190715; EP 2020069820 W 20200714; JP 2022600005 U 20200714