

Title (en)
EXTINGUISHING CHAMBER OF MAGNETIC BLOW-OUT TYPE FOR AN ELECTRICAL BREAKING DEVICE AND ELECTRICAL BREAKING DEVICE EQUIPPED WITH SUCH A CHAMBER

Title (de)
LÖSCHKAMMER EINES MAGNETISCHEN AUSBLASTTYPUS FÜR EINE ELEKTRISCHE BREMSVORRICHTUNG UND MIT EINER SOLCHEN KAMMER AUSGESTATTETE ELEKTRISCHE BREMSVORRICHTUNG

Title (fr)
CHAMBRE DE COUPURE À SOUFFLAGE MAGNÉTIQUE POUR UN APPAREIL DE COUPURE ÉLECTRIQUE ET APPAREIL DE COUPURE ÉLECTRIQUE ÉQUIPÉ D'UNE TELLE CHAMBRE

Publication
EP 4107768 A1 20221228 (FR)

Application
EP 21707166 A 20210205

Priority
• FR 2001629 A 20200219
• EP 2021052772 W 20210205

Abstract (en)
[origin: WO2021165055A1] The invention relates to an extinguishing chamber (100) of magnetic blow-out type for a breaking device, said chamber comprising a field source (2), a magnetic carcass (3) and a breaking region (Z) in which an electric arc (E) is liable to form when a breaking pole (PC) belonging to said breaking devices is opened, said field source (2) being arranged to generate a magnetic field (B) intended to move said electric arc (E) in order to stretch it and accelerate its cooling and its extinguishment, and said carcass (3) being arranged to channel said magnetic field (B). It is characterised in that said carcass (3) is up against said field source (2) and closes in front thereof, to create a gap (D2) in the magnetic circuit formed by said field source (2) and said carcass (3) and to thus maximise the magnetic field (B) that passes through said breaking region (Z).

IPC 8 full level
H01H 9/44 (2006.01)

CPC (source: EP US)
H01H 9/44 (2013.01 - EP); **H01H 9/443** (2013.01 - US); **H01H 33/10** (2013.01 - US); **H01H 33/182** (2013.01 - US); **H01H 73/18** (2013.01 - US); **H01H 9/443** (2013.01 - EP); **H01H 73/18** (2013.01 - EP)

Citation (search report)
See references of WO 2021165055A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
FR 3107395 A1 20210820; FR 3107395 B1 20221230; CN 114946002 A 20220826; CN 114946002 B 20230418; EP 4107768 A1 20221228; EP 4107768 B1 20230607; EP 4107768 C0 20230607; ES 2946971 T3 20230728; US 11664175 B2 20230530; US 2022415590 A1 20221229; WO 2021165055 A1 20210826

DOCDB simple family (application)
FR 2001629 A 20200219; CN 202180008991 A 20210205; EP 2021052772 W 20210205; EP 21707166 A 20210205; ES 21707166 T 20210205; US 202117779875 A 20210205