

Title (en)

ASSEMBLY AND METHOD FOR DAMPING CONTACT BOUNCE IN HIGH-VOLTAGE CIRCUIT BREAKERS

Title (de)

ANORDNUNG UND VERFAHREN ZUM DÄMPFEN DES KONTAKTPRELLENS BEI HOCHSPANNUNGSLEISTUNGSSCHALTERN

Title (fr)

DISPOSITIF ET PROCÉDÉ D'AMORTISSEMENT DU REBOND DE CONTACT DANS DES COMMUTATEURS DE PUISSANCE À HAUTE TENSION

Publication

**EP 3659162 A1 20200603 (DE)**

Application

**EP 18779207 A 20180910**

Priority

- DE 102017217166 A 20170927
- EP 2018074258 W 20180910

Abstract (en)

[origin: WO2019063271A1] The invention relates to an assembly (1) and to a method for damping contact bounce in high-voltage circuit breakers, having a vacuum interrupter (18) and a holder (10) for the vacuum interrupter (18), the vacuum interrupter (18) comprising a housing (2), at least one movable contact piece (3) and at least one fixed contact piece (4). At least one mass body (12) is mechanically connected to the at least one fixed contact piece (4) in order to effect damping of the contact bounce between the at least one fixed contact piece (4) and the at least one movable contact piece (3) during a switch-on operation of the high-voltage circuit breaker.

IPC 8 full level

**H01H 3/60** (2006.01); **H01H 33/66** (2006.01); **H01H 33/664** (2006.01)

CPC (source: EP US)

**H01H 3/60** (2013.01 - EP); **H01H 33/66** (2013.01 - EP); **H01H 33/666** (2013.01 - US); **H01H 33/66261** (2013.01 - US); **H01H 33/664** (2013.01 - EP); **H01H 2033/6665** (2013.01 - US)

Citation (search report)

See references of WO 2019063271A1

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)

**DE 102017217166 A1 20190328**; CN 111149184 A 20200512; CN 111149184 B 20230811; EP 3659162 A1 20200603; US 11043343 B2 20210622; US 2020266015 A1 20200820; WO 2019063271 A1 20190404

DOCDB simple family (application)

**DE 102017217166 A 20170927**; CN 201880062150 A 20180910; EP 18779207 A 20180910; EP 2018074258 W 20180910; US 201816647912 A 20180910