

Title (en)

VACUUM INTERRUPTER AND HIGH-VOLTAGE SWITCHING ASSEMBLY

Title (de)

VAKUUMSCHALTROHRE UND HOCHSPANNUNGSSCHALTANORDNUNG

Title (fr)

TUBE DE COMMUTATION SOUS VIDE ET DISPOSITIF DE COMMUTATION À HAUTE TENSION

Publication

**EP 3807920 B1 20230628 (DE)**

Application

**EP 19752936 A 20190724**

Priority

- DE 102018212853 A 20180801
- EP 2019069868 W 20190724

Abstract (en)

[origin: WO2020025407A1] The invention relates to a vacuum interrupter (2), comprising: a housing (3) having at least one annular ceramic insulating element (4), which forms a vacuum chamber (6), a contact system (8) having two contacts (9, 10), which are movable relative to one another. The invention is characterized in that a capacitive element (12) having two electrodes (14) and having a dielectric material (16) arranged between the electrodes (14) is provided, the capacitive element (12) being interlockingly mounted on the insulating element (4) and having a capacitance between 400 pF and 4000 pF.

IPC 8 full level

**H01H 33/662** (2006.01)

CPC (source: EP KR US)

**H01H 1/0203** (2013.01 - US); **H01H 33/66207** (2013.01 - EP KR US); **H01H 33/66261** (2013.01 - US); **H01H 2033/6623** (2013.01 - EP KR US); **H01H 2033/66284** (2013.01 - EP KR)

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

DOCDB simple family (publication)

**WO 2020025407 A1 20200206**; CN 112514020 A 20210316; CN 112514020 B 20240712; DE 102018212853 A1 20200206; EP 3807920 A1 20210421; EP 3807920 B1 20230628; JP 2021533540 A 20211202; JP 7187670 B2 20221212; KR 102568806 B1 20230821; KR 20210033525 A 20210326; US 11456133 B2 20220927; US 2021327666 A1 20211021

DOCDB simple family (application)

**EP 2019069868 W 20190724**; CN 201980051266 A 20190724; DE 102018212853 A 20180801; EP 19752936 A 20190724; JP 2021505694 A 20190724; KR 20217005519 A 20190724; US 201917264932 A 20190724