

Title (en)

HIGH-VOLTAGE DEVICE HAVING CERAMIC SPACER ELEMENTS, AND USE THEREOF

Title (de)

HOCHSPANNUNGSGERÄT MIT KERAMISCHEN ABSTANDSELEMENTEN UND DESSEN VERWENDUNG

Title (fr)

APPAREIL HAUTE TENSION POURVU D'ÉLÉMENTS ESPACEURS CÉRAMIQUES ET SON UTILISATION

Publication

**EP 3659160 A1 20200603 (DE)**

Application

**EP 18779226 A 20180913**

Priority

- DE 102017217150 A 20170927
- EP 2018074683 W 20180913

Abstract (en)

[origin: CA3073999A1] The invention relates to a high-voltage device (1) having a housing (2) and at least one component (3) which is electrically insulated from the housing (2). The at least one component (3) is spaced from the housing (2) and mechanically connected to the housing (2). There is at least one ceramic spacer element (6) between the housing (2) and the at least one component (3). The use according to the invention of the high-voltage device (1) includes heat which is produced at connection elements of the at least one component (3) which is electrically insulated from the housing (2) being transferred from the component (3) via the at least one ceramic spacer element (6) to the housing (2), and being emitted from the housing (2) to the environment.

IPC 8 full level

**H01F 27/04** (2006.01); **H01F 27/29** (2006.01)

CPC (source: EP RU US)

**H01F 27/04** (2013.01 - EP RU US); **H01F 27/08** (2013.01 - US); **H01F 27/22** (2013.01 - EP); **H01F 27/29** (2013.01 - EP RU US); **H01F 38/20** (2013.01 - EP); **H01F 38/30** (2013.01 - US)

Citation (search report)

See references of WO 2019063300A1

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 102017217150 A1 20190328**; BR 112020005343 A2 20200924; CA 3073999 A1 20190404; CA 3073999 C 20240123; CN 111133538 A 20200508; CN 111133538 B 20230901; EP 3659160 A1 20200603; RU 2747859 C1 20210517; US 11605488 B2 20230314; US 2020219642 A1 20200709; WO 2019063300 A1 20190404

DOCDB simple family (application)

**DE 102017217150 A 20170927**; BR 112020005343 A 20180913; CA 3073999 A 20180913; CN 201880062158 A 20180913; EP 18779226 A 20180913; EP 2018074683 W 20180913; RU 2020111449 A 20180913; US 201816647595 A 20180913