

Title (en)

COATED CONDUCTOR IN A HIGH-VOLTAGE DEVICE AND METHOD FOR INCREASING THE DIELECTRIC STRENGTH

Title (de)

BESCHICHTETER LEITER IN EINEM HOCHSPANNUNGSGERÄT UND VERFAHREN ZUR ERHÖHUNG DER DIELEKTRISCHEN FESTIGKEIT

Title (fr)

CONDUCTEUR REVÊTU DANS UN APPAREIL À HAUTE TENSION ET PROCÉDÉ POUR AUGMENTER LA RÉSISTANCE DIÉLECTRIQUE

Publication

EP 4197073 A1 20230621 (DE)

Application

EP 21783403 A 20210913

Priority

- DE 102020212384 A 20200930
- EP 2021075060 W 20210913

Abstract (en)

[origin: WO2022069197A1] The invention relates to a high-voltage device (1), having an encapsulation housing (2) and having at least one bushing (3) for at least one electrical conductor (4) into the encapsulation housing (2) and/or out of the encapsulation housing (2). The at least one electrical conductor (4) is coated with an insulation layer (5). The insulation layer (5) increases the dielectric strength in the high-voltage device (1), in particular in the region of the bushing (3).

IPC 8 full level

H02B 13/035 (2006.01); **H01B 7/02** (2006.01); **H01B 17/42** (2006.01)

CPC (source: EP US)

H01B 7/0291 (2013.01 - US); **H01B 17/42** (2013.01 - US); **H02B 13/0358** (2013.01 - EP US); **H01B 7/0291** (2013.01 - EP); **H01B 17/42** (2013.01 - EP)

Citation (search report)

See references of WO 2022069197A1

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)

DE 102020212384 A1 20220331; CN 116438612 A 20230714; EP 4197073 A1 20230621; JP 2023543237 A 20231013; US 2023377778 A1 20231123; WO 2022069197 A1 20220407

DOCDB simple family (application)

DE 102020212384 A 20200930; CN 202180067414 A 20210913; EP 2021075060 W 20210913; EP 21783403 A 20210913; JP 2023519119 A 20210913; US 202118029446 A 20210913