

Title (en)

Device for controlling a high electrical field in an insulating synthetic material, in particular for a bushing through a wall

Title (de)

Vorrichtung zum Kontrollieren eines starken elektrischen Felds in einem synthetischen Isoliermaterial, insbesondere zur Durchführung von Strom durch eine Wand

Title (fr)

Dispositif pour contrôler un champ électrique élevé dans un matériau synthétique isolant, notamment pour une traversée de courant à travers une paroi

Publication

EP 2023353 A3 20091209 (FR)

Application

EP 08161239 A 20080728

Priority

FR 0756986 A 20070807

Abstract (en)

[origin: EP2023353A2] The device has a deflector (12), and an annular space (14) provided between the deflector and a central part (31) of a synthetic insulating material (13) surrounding a central conductor (11). A thickness of the annular space is higher than or equal to 10 millimeter, and the space is filled with a dielectric fluid i.e. sulphur hexafluoride. Reinforcement fibers (15) i.e. glass fabric, are placed around the deflector. The synthetic insulating material is thermosetting resin type polymer material, thermoplastic resin type polymer material or elastomer.

IPC 8 full level

H01B 17/28 (2006.01); **H01B 17/00** (2006.01); **H01B 17/42** (2006.01)

CPC (source: EP)

H01B 17/42 (2013.01); **H01B 17/005** (2013.01); **H01B 17/28** (2013.01)

Citation (search report)

- [AD] FR 2837615 A1 20030926 - ALSTOM [FR]
- [A] US 6255589 B1 20010703 - STARCK THIERRY [FR], et al
- [A] US 2001048967 A1 20011206 - WILSON MICHAEL J [US], et al
- [A] US 4272642 A 19810609 - CLASSON AKE
- [A] DE 10037328 A1 20010517 - KG RITZ MESSWANDLER G M B H & [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2023353 A2 20090211; **EP 2023353 A3 20091209**; CN 101436453 A 20090520; CN 101436453 B 20120613; FR 2919955 A1 20090213; FR 2919955 B1 20091030; RU 2008132537 A 20100220; RU 2488183 C2 20130720

DOCDB simple family (application)

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