

Title (en)

METHOD OF MANUFACTURING A COMPOSITE INSULATOR USING A RESIN WITH HIGH THERMAL PERFORMANCE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES VERBUNDISOLATORS ANHAND EINES HARZES MIT HOHER WÄRMELEISTUNG

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ISOLATEUR COMPOSITE UTILISANT UNE RÉSINE À HAUTE PERFORMANCE THERMIQUE

Publication

EP 2700079 A1 20140226 (FR)

Application

EP 11731019 A 20110419

Priority

FR 2011050893 W 20110419

Abstract (en)

[origin: WO2012143620A1] The method of manufacturing a composite insulator (1) for very high, high or medium voltage, comprising an insulating core (2) made of a synthetic material reinforced with glass fibres based on a mixture of a resin and of a hardener and an envelope (3) made of an elastomer material which vulcanizes at high temperature and surrounds said core (2), comprising at least the steps consisting in; choosing (41) a composition of mixture in such a way as to obtain a glass transition temperature for said synthetic material which is greater than the vulcanization temperature of said elastomer material, and vulcanizing (45) said envelope (3) of elastomer material on said core (2) of synthetic material.

IPC 8 full level

H01B 13/14 (2006.01); **H01B 3/40** (2006.01); **H01B 3/44** (2006.01); **H01B 3/46** (2006.01); **H01B 3/47** (2006.01); **H01B 17/32** (2006.01)

CPC (source: EP US)

H01B 3/40 (2013.01 - EP US); **H01B 3/47** (2013.01 - EP US); **H01B 13/14** (2013.01 - EP US); **H01B 19/04** (2013.01 - US); **H01B 17/325** (2013.01 - EP US)

Citation (search report)

See references of WO 2012143620A1

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 2012143620 A1 20121026; EP 2700079 A1 20140226; EP 2700079 B1 20181024; US 2014054063 A1 20140227

DOCDB simple family (application)

FR 2011050893 W 20110419; EP 11731019 A 20110419; US 201114110584 A 20110419