

Title (en)
COMPOSITE INSULATOR

Title (de)
VERBUNDISOLATOR

Title (fr)
ISOLATEUR COMPOSITE

Publication
EP 2577685 B1 20200304 (DE)

Application
EP 11725620 A 20110527

Priority
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• EP 2011002627 W 20110527

Abstract (en)
[origin: WO2011147583A2] Disclosed is a composite insulator (1) comprising a core (2), in particular made of a fiber-reinforced durometer, and a protective layer (8) which surrounds said core (2) and is made in particular of an insulating elastomer. In some sections, especially on the bottom side of screens (4), the protective layer (8) specifically comprises particles (7) that influence the field of the insulator (1)

IPC 8 full level
H01B 17/32 (2006.01); **H01B 17/42** (2006.01)

CPC (source: EP US)
H01B 17/325 (2013.01 - EP US); **H01B 17/42** (2013.01 - EP US); **Y10T 428/2933** (2015.01 - EP US); **Y10T 428/2958** (2015.01 - EP US)

Citation (examination)
• US 2004129449 A1 20040708 - BOETTCHER BODO [DE], et al
• GB 1451071 A 19760929 - TRANS DEV LTD
• V T KONTARGYRI ET AL: "Simulation of the Electric Field on Composite Insulators Using the Finite Elements Method", 8 November 2004 (2004-11-08), National Technical University of Athens, pages 1 - 5, XP055244076, Retrieved from the Internet <URL:http://www.wseas.us/e-library/conferences/athens2004/papers/487-726.pdf> [retrieved on 20160122]

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2011147583 A2 20111201; WO 2011147583 A3 20120329; CA 2800273 A1 20111201; CA 2800273 C 20171003;
CN 102906825 A 20130130; CN 102906825 B 20160921; EP 2577685 A2 20130410; EP 2577685 B1 20200304; ES 2787511 T3 20201016;
JP 2013531339 A 20130801; JP 5663085 B2 20150204; KR 101616113 B1 20160427; KR 20130091666 A 20130819; PL 2577685 T3 20200713;
PT 2577685 T 20200507; RU 2012147464 A 20140710; RU 2548897 C2 20150420; US 2013101846 A1 20130425; US 9312053 B2 20160412;
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