

Title (en)

SILICON RUBBER ELECTRIC INSULATOR FOR HIGH-VOLTAGE APPLICATIONS

Title (de)

ELEKTRISCHER ISOLATOR AUS SILIKONGUMMI FÜR HOCHSPANNUNGSANWENDUNGEN

Title (fr)

ISOLATEUR ELECTRIQUE EN CAOUTCHOUC DE SILICONE POUR APPLICATIONS HAUTE TENSION

Publication

EP 0774157 B1 20040804 (DE)

Application

EP 95944010 A 19950707

Priority

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- EP 9502699 W 19950707

Abstract (en)

[origin: US6051796A] PCT No. PCT/EP95/02699 Sec. 371 Date Jan. 29, 1997 Sec. 102(e) Date Jan. 29, 1997 PCT Filed Jul. 7, 1995 PCT Pub. No. WO96/04667 PCT Pub. Date Feb. 15, 1996An electric high-voltage insulator made from plastic comprises at least one glass fiber rod (1), at least one shield covering (2) made from silicone rubber which surrounds the glass fiber rod (1) and has concentric bulges (3) arranged along the longitudinal axis and bent in the shape of sheds in such a way that they form a convex top side and a concave or flat underside, as well as metal fittings (5) on both insulator ends. In this case, the bulges bent in the shape of sheds have at least one groove (4) on the underside preferably with a minimum depth of 1 mm.

IPC 1-7

H01B 17/32; **H01B 17/02**

IPC 8 full level

H01B 3/30 (2006.01); **H01B 17/00** (2006.01); **H01B 17/02** (2006.01); **H01B 17/32** (2006.01)

CPC (source: EP KR US)

H01B 17/02 (2013.01 - EP KR US); **H01B 17/32** (2013.01 - EP KR US)

Citation (examination)

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US 6051796 A 20000418; AT E272888 T1 20040815; BR 9508451 A 19971223; CN 1089935 C 20020828; CN 1154758 A 19970716; DE 4426927 A1 19960201; DE 59510933 D1 20040909; EP 0774157 A1 19970521; EP 0774157 B1 20040804; ES 2220947 T3 20041216; JP 3774229 B2 20060510; JP H10505456 A 19980526; KR 100375646 B1 20030612; KR 970705150 A 19970906; MY 114100 A 20020830; WO 9604667 A1 19960215; ZA 956305 B 19960314

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