

Title (en)
Silicone rubber compositions for high-voltage electrical insulators

Title (de)
Silikonkautschukzusammensetzung für Hochspannungsisolatoren

Title (fr)
Caoutchouc de silicone pour isolateurs à haute tension

Publication
EP 1052655 A1 20001115 (EN)

Application
EP 00300163 A 20000111

Priority
JP 13110099 A 19990512

Abstract (en)
A mixture of a first aluminum hydroxide surface treated with a silicon-containing compound and having a mean particle size of 5-20 μm and a second aluminum hydroxide surface treated with a silicon-containing compound and having a mean particle size of 0.1-2.5 μm is blended in a silicone rubber composition comprising an organopolysiloxane, finely divided silica, and an organic peroxide. The silicone rubber composition cures into silicone rubber having sufficiently improved properties to serve as high-voltage electrical insulators, even when exposed to air polluted conditions or rigorous weather conditions.

IPC 1-7
H01B 3/46; C08K 3/22; C08L 83/04

IPC 8 full level
H01B 3/46 (2006.01)

CPC (source: EP)
H01B 3/46 (2013.01)

Citation (search report)

- [DA] US 5369161 A 19941129 - KUNIEDA SHIGEHICO [JP], et al
- [A] US 5668205 A 19970916 - YOSHIDA TAKEO [JP], et al
- [A] EP 0801111 A1 19971015 - DOW CORNING TORAY SILICONE [JP]
- [A] EP 0787772 A2 19970806 - DOW CORNING TORAY SILICONE [JP]

Cited by
EP1113048A3; CN111511827A; US6582825B2; US10975232B2; WO2019121456A1; WO2014146802A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1052655 A1 20001115; **EP 1052655 B1 20040102**; DE 60007481 D1 20040205; DE 60007481 T2 20041125

DOCDB simple family (application)
EP 00300163 A 20000111; DE 60007481 T 20000111