Title (en)

ELECTRIC CABLE RESISTING THE PROPAGATION OF AN ELECTRIC ARC

Title (de)

STROMKABEL, DAS GEGEN DIE FORTPFLANZUNG VON LICHTBÖGEN RESISTENT IST

Title (fr)

CABLE ELECTRIQUE RESISTANT A LA PROPAGATION D'ARC ELECTRIQUE

Publication

EP 2040267 B1 20160330 (FR)

Application

EP 08161480 A 20080730

Priority

FR 0757741 A 20070921

Abstract (en)

[origin: EP2040267A1] The cable (1) has layers (3, 4, 5) respectively formed of mica ribbon, polyimide ribbon, and PTFE ribbon rolls. The layer (3) surrounds an electrical conductor (2). The ratio of linear density of PTFE to the sum of linear densities of polymeric binder e.g. silicone resin, and polyimide binder is greater than or equal to 2, 4, 6, and 12 when a conductor section is between 0.1 and 0.2 square mm, between 0. 2 and 0.6 square mm, equal to 0.6 square mm, and less than/equal to 3 square mm, respectively. A fluorinated ethylene-propylene copolymer covering covers a layer of polyimide ribbon. The mica ribbon is a Cablosam 366 20-80(RTM: mica ribbon). The layer from the mica roll is thermally processed at temperature of 400 degree Celsius.

IPC 8 full level

H01B 3/04 (2006.01); **H01B 3/30** (2006.01); **H01B 3/44** (2006.01); **H01B 7/295** (2006.01)

CPC (source: EP US)

H01B 3/04 (2013.01 - EP US); **H01B 3/306** (2013.01 - EP US); **H01B 7/295** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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