

Title (en)  
Electric cable resistant to partial discharges

Title (de)  
Elektrisches Kabel, das resistent gegen Teilentladungen ist

Title (fr)  
Câble électrique résistant aux décharges partielles

Publication  
**EP 2765581 B1 20221130 (FR)**

Application  
**EP 14154578 A 20140211**

Priority  
FR 1351178 A 20130212

Abstract (en)  
[origin: EP2765581A1] The cable (1) has an electrically insulating fluorinated polymeric layer (4) surrounding an elongated electrically conducting element (2), where the cable is free from a layer containing of polyimide between the conducting element and the polymeric layer. Two ribbon-shaped semiconductor fluorinated polymeric layers (3, 5) surround the conducting element, and the polymeric layer, respectively. The semiconductor layers are made of fluorinated polymer. The polymeric layer is an extruded layer, and surrounds one of the semiconductor layers.

IPC 8 full level  
**H01B 3/44** (2006.01); **H01B 7/29** (2006.01)

CPC (source: EP US)  
**H01B 3/445** (2013.01 - EP US); **H01B 7/292** (2013.01 - EP US)

Citation (examination)

- US 4532375 A 19850730 - WEITZEL HAROLD B [US], et al
- US 6337443 B1 20020108 - DLUGAS WOLFGANG [DE], et al
- US 5304739 A 19940419 - KLUG REJA B [US], et al
- US 2010193217 A1 20100805 - LAURENSEN PAUL [FR], et al

Citation (opposition)  
Opponent : Barker Brettell LLP

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- US 4902444 A 19900220 - KOLOUCH ROBERT J [US]
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DOCDB simple family (publication)  
**EP 2765581 A1 20140813; EP 2765581 B1 20221130**; CN 103985438 A 20140813; CN 103985438 B 20180309; ES 2938330 T3 20230410; FR 3002076 A1 20140815; FR 3002076 B1 20221111; US 2014224521 A1 20140814; US 9362019 B2 20160607

DOCDB simple family (application)  
**EP 14154578 A 20140211**; CN 201410047987 A 20140211; ES 14154578 T 20140211; FR 1351178 A 20130212; US 201414177455 A 20140211