

Title (en)

Electrically insulating polymer composition and wire or cable using the same

Title (de)

Elektrisch isolierende Kunststoffmasse und hiermit hergestellten Draht oder Kabel

Title (fr)

Composition polymère isolante électrique et fils ou câble utilisant cette composition

Publication

**EP 0674325 B1 20031105 (EN)**

Application

**EP 95104416 A 19950324**

Priority

- JP 7638094 A 19940324
- JP 16744394 A 19940627

Abstract (en)

[origin: EP0674325A2] An improved electrically insulating polymer composition is provided, wherein said polymer composition comprising an olefinic polymer as a principal ingredient and functional group containing monomeric units of monomers D1 through D4 at a rate of  $5 \times 10^{-7}$  to  $5 \times 10^{-3}$  mols per gram of the composition, and also comprising ethylenic linkages at a rate of not smaller than 0.8 per 1,000 carbon atoms and/or aromatic ring containing monomeric units of monomer D5 at a rate of  $5 \times 10^{-7}$  to  $5 \times 10^{-3}$  mols per gram of the composition, wherein said monomers D1 through D5 have an ethylenic linkage, the monomer D1 is a carbonyl group or carbonyl group derivative containing monomer, the monomer D2 is a hydroxyl group containing monomer, the monomer D3 is a nitro group containing monomer, the monomer D4 is a nitrile group containing monomer, and the monomer D5 is an aromatic ring containing monomer. And there is also provided a wire or a cable having an electrically insulating polymer composition as defined above or an insulating layer made of such a composition or a material obtained by crosslinking such a composition.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

CN102782031A; EP1881507A1; EP1881508A1; EA019563B1; US7915367B2; US7799841B2; WO9944206A1; US8142902B2; US8247052B2; US8378047B2; WO2008006531A1; WO0192357A1; US7473652B2; US7279777B2; US7098525B2; US7914899B2

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