

Title (en)

ANTISTATIC OR ELECTRICALLY SEMICONDUCTIVE POLYMER BLENDS, PROCESS FOR THEIR MANUFACTURE AND THEIR USE

Publication

EP 0181587 B1 19890531 (DE)

Application

EP 85114008 A 19851104

Priority

DE 3440617 A 19841107

Abstract (en)

1. Antistatic or electrically semi-conductive thermoplastic polymer blends based on organic polymers, electrically conductive substances and the usual additives, characterized in that, they contain two partially compatible thermoplastic polymers A and B, of which polymer A at a given temperature has a lower melting viscosity in comparison to polymer B and between which there is a solubility-parameter difference of approximately $0.3 \text{ to } 1.5 \text{ (cal/cm}^3)^{1/2}$, in which the polymer A, which forms the continuous phase, essentially contains the electrically conductive substances.

IPC 1-7

H01B 1/12; **H01B 1/22**; **H01B 1/24**

IPC 8 full level

H01B 1/12 (2006.01); **H01B 1/22** (2006.01); **H01B 1/24** (2006.01)

CPC (source: EP US)

H01B 1/12 (2013.01 - EP US); **H01B 1/22** (2013.01 - EP US); **H01B 1/24** (2013.01 - EP US)

Cited by

EP0296263A1; US5130371A; US5213736A; GB2214511A; FR2721324A1; EP0658277A4; US5106538A; EP0280173A3; US5137993A; DE10242955A1; DE10242955B4; DE3943420A1; EP0337487A1; EP1218176A4; US7148281B2; US6315956B1; EP0717418A3; US5916486A; US5922466A; US5997773A; US6015509A; US5476612A; US5106540A; EP0231068A3; WO9950351A1; WO9106592A1; WO8900755A1; US6284832B1; US6417265B1

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