

Title (en)

Electrically conductive support and polymer films, and process for manufacturing the same.

Title (de)

Elektrisch leitendes Trägermaterial und Polymerfilme und Verfahren zu deren Herstellung.

Title (fr)

Support électriquement conducteur et films polymères et leur procédé de fabrication.

Publication

EP 0362141 B1 19951115 (DE)

Application

EP 89810718 A 19890921

Priority

CH 364788 A 19880930

Abstract (en)

[origin: EP0362141A2] Electrically conductive networks of crystal needles are formed on a substrate by optionally substituted tetrathio-, tetraseleno- or tetratelluronaphthalenes or -tetracenes with electron acceptors, especially with halogen-containing organic compounds. Said needle networks can be coated electrolytically with metals, and/or be delaminated from the substrate with polymers in the form of films which are electrically conductive on one side.

IPC 1-7

H01B 1/12; **C08K 5/48**; **C08K 5/45**

IPC 8 full level

B32B 15/08 (2006.01); **B32B 7/02** (2006.01); **H01B 1/12** (2006.01)

CPC (source: EP US)

H01B 1/121 (2013.01 - EP US); **Y10T 428/2998** (2015.01 - EP US); **Y10T 428/31504** (2015.04 - EP US)

Citation (examination)

- US 4384025 A 19830517 - HILTI BRUNO [CH], et al
- DE 3005849 A1 19810903 - BAYER AG [DE]
- US 3403165 A 19680924 - YOSHIO MATSUNAGA
- EP 0285564 A1 19881005 - CIBA GEIGY AG [CH]
- Pure and Applied Chemistry, Bd. 56, No. 3, 1984, M. Kryszewski et al., "Structure and electrical properties of polymers with amorphous and crystalline dopants", S. 355-368

Cited by

EP0521826A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0362141 A2 19900404; **EP 0362141 A3 19901107**; **EP 0362141 B1 19951115**; DE 58909496 D1 19951221; JP H02136233 A 19900524; US 5096780 A 19920317

DOCDB simple family (application)

EP 89810718 A 19890921; DE 58909496 T 19890921; JP 25252289 A 19890929; US 41194889 A 19890925