

Title (en)

PROCESS FOR PREPARING ELECTRICALLY CONDUCTIVE POLYAROMATIC SUBSTANCES AND THEIR USE IN ELECTROTECHNICS AND IN THE ANTISTATIC EQUIPMENT OF SYNTHETICS

Publication

**EP 0034273 A3 19811118 (DE)**

Application

**EP 81100583 A 19810128**

Priority

DE 3005300 A 19800213

Abstract (en)

[origin: EP0034273A2] A process for the preparation of conductive polyaromatic compounds having electrical conductivity values of greater than  $10^{-2}$  S/cm, in which from 0.5 to 5% by weight of sodium, potassium, rubidium, caesium or amides thereof, preferably in auxiliary liquids, such as tetrahydrofuran, dimethoxyglycol, anthracene, naphthalene or 2-methylstyrene, are added to polyaromatic compounds in the absence of moisture and oxygen. The conductive polyaromatic compounds obtained can be used to produce solar cells, for conversion and fixation of radiation, for the production of electrical and magnetic switches and for rendering plastics antistatic.

IPC 1-7

**H01B 1/12**

IPC 8 full level

**H01B 1/12** (2006.01)

CPC (source: EP)

**H01B 1/128** (2013.01)

Citation (search report)

- [A] DE 1178529 B 19640924 - BASF AG
- [P] EP 0016305 A1 19801001 - ALLIED CORP [US]
- [E] EP 0023595 A1 19810211 - BASF AG [DE]
- [X] JOURNAL CHEMICAL PHYSICS, Band 71, Nr. 3, 1. August 1979 (US) D.M. IVORY et al.: "Highly conducting charge-transfer complexes of poly (p-phenylene)", Seiten 1506 und 1507

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