

Title (en)

Photoconductive layers containing a mixture of at least two different organic photoconductors and electrophotographic elements comprising said layers.

Title (de)

Eine aus zumindest zwei verschiedenen organischen Photoleitern bestehende Mischung enthaltende photoleitfähige Schichten und solche Schichten enthaltendes electrophotographisches Aufzeichnungsmaterial.

Title (fr)

Couches photoconductrices contenant un mélange constitué par au moins deux photoconducteurs organiques différents et éléments électrophotographiques contenant ces couches.

Publication

EP 0011980 A1 19800611 (EN)

Application

EP 79302648 A 19791120

Priority

US 96243378 A 19781120

Abstract (en)

The problem of crystallization of organic photoconductive compounds in insulating binder-containing layers, which may impair the capability of those layers to produce high-resolution images, is overcome by using as the photoconductor a mixture comprising at least two compounds of the formula: <CHEM> wherein R is an alkyl, substituted alkyl, aralkyl, aryl or substituted aryl group; each of X, X min , Y, and Y min , which may be the same or different is hydrogen, alkyl, substituted alkyl, alkoxy, substituted alkoxy, hydroxyl, nitro or halogen; each of A and B, which may be the same or different, is hydrogen, alkyl, substituted alkyl, alkoxy, substituted alkoxy, hydroxyl, halogen, unsubstituted or substituted aryl, cycloalkyl having four to ten carbon atoms and cycloalkenyl having four to eight carbon atoms; or A and B taken together represent atoms which form with the carbon to which they are attached a substituted or unsubstituted carbocyclic ring having from 4 to 10 atoms, any alkyl, substituted alkyl, alkoxy or substituted alkoxy substituent having from 1 to 10 carbon atoms and any aryl or substituted aryl group being an unsubstituted or substituted phenyl, naphthyl or anthryl group, any substituent in a substituted aryl group being an amino, alkylamino, or dialkylamino group or a substituent as defined for X, X min , Y and Y min .

IPC 1-7

G03G 5/06; C07C 87/62

IPC 8 full level

G03G 5/06 (2006.01)

CPC (source: EP US)

G03G 5/06144 (2020.05 - EP US)

Citation (search report)

- FR 84976 E 19650521 - GEVAERT PHOTO PROD NV
- FR 2099782 A5 19720317 - EASTMAN KODAK CO
- US 3291600 A 19661213 - NICOLL FREDERICK H
- US 3679406 A 19720725 - KRYMAN FREDERICK J
- CH 435979 A 19670515 - RCA CORP [US]
- FR 1383461 A 19641224 - KODAK PATHE

Cited by

EP0738934A3; US5780194A; US6187493B1; WO8301618A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0011980 A1 19800611; EP 0011980 B1 19840328; CA 1129702 A 19820817; DE 2966859 D1 19840503; JP S5577745 A 19800611; JP S639213 B2 19880226

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