

Title (en)
Photoreceptor.

Title (de)
Photorezeptor.

Title (fr)
Photorécepteur.

Publication
EP 0356246 B1 19940216 (EN)

Application
EP 89308637 A 19890824

Priority
JP 21153688 A 19880825

Abstract (en)
[origin: EP0356246A2] Photoreceptor comprising an electroconductive base that has a carrier generation layer formed thereon which is overlaid with a carrier transport layer. This photoreceptor is characterized in that said carrier transport layer comprises at least two constituent layers, that the weight ratio of the content of the carrier transport material to the binder material in a constituent layer which is closer to said electroconductive base is higher than the weight ratio of the content of the carrier transport material to the binder material in a constituent layer which is more remote from said electroconductive base, and that the binder in the outermost constituent layer of said carrier transport layer contains a polycarbonate having as the principal recurring unit a structural unit represented by the following general formula (I) and/or a structural unit represented by the following general formula (II): <CHEM> (where R<1> and R<2> each is a hydrogen atom, a substituted or unsubstituted aliphatic group, a substituted or unsubstituted carbocyclic group, or a substituted or unsubstituted aromatic group, provided that at least one of R<1> and R<2> is a "bulky" group; and R<3>, R<4>, R<5>, R<6>, R<7>, R<8>, R<9> and R<1><0> each is a hydrogen atom, a halogen atom, a substituted or unsubstituted aliphatic group, or a substituted or unsubstituted carbocyclic group); <CHEM> where R<3>, R<4> R<5>, R<6>, R<7>, R<8>, R<9> and R<1><0> each is same as defined above; Z is the atomic group necessary to form a substituted or unsubstituted carbon ring or a substituted or unsubstituted heterocyclic ring).

IPC 1-7
G03G 5/14; **G03G 5/05**

IPC 8 full level
G03G 5/047 (2006.01); **G03G 5/05** (2006.01)

CPC (source: EP)
G03G 5/047 (2013.01); **G03G 5/0564** (2013.01)

Cited by
EP0701175A1; EP0610885A1; US5486439A; EP0538070A1; US5254423A; EP0566423A1; US5378567A; EP0481747A1; EP0500087A1; US5283142A

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0356246 A2 19900228; **EP 0356246 A3 19910703**; **EP 0356246 B1 19940216**; DE 68913100 D1 19940324; DE 68913100 T2 19940721

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