

Title (en)
Electrophotographic photoconductor

Title (de)
Elektrophotographischer Photokonduktor

Title (fr)
Photoconducteur électrophotographique

Publication
EP 0415864 B1 19970604 (EN)

Application
EP 90480105 A 19900718

Priority
US 40126489 A 19890831

Abstract (en)
[origin: EP0415864A1] A layered electrophotographic photoconductor is disclosed having a ground plane layer, a charge generating layer carried by the ground plane layer, and a charge transport layer carried by the charge generating layer. The polymeric binder material of the charge transport layer and the charge generation layer comprises an ordered copolyestercarbonate whose ester content is in the range of about 35 wt. % to about 70 wt. %, of which about 60 wt. % to about 70 wt. % is preferred, and of which about 70 wt. % is the most preferred. The charge generating molecule is a squarylium, and more specifically 2,4-bis-(4-dimethylamino-2-hydroxyphenyl) cyclobutene diylum-1,3-diolate (OHSQ). The charge transporting molecule is a hydrazone, and more specifically 4-diethylaminobenzaldehyde-1,1-diphenylhydrazone (DEH).

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G03G 5/05

IPC 8 full level
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CPC (source: EP)
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Cited by
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