

Title (en)

Electrophotographic photoconductor for use with liquid toners

Title (de)

Elektrophotographisches photoleitfähiges Element geeignet für Flüssigentwicklung

Title (fr)

Photoconducteur électrophotographique utilisable avec des révélateurs liquides

Publication

EP 0767411 B1 20010321 (EN)

Application

EP 96306948 A 19960924

Priority

US 54012295 A 19951006

Abstract (en)

[origin: EP0767411A1] A photoconductor for use in electrophotographic reproduction devices is disclosed. This photoconductor exhibits excellent cycling stability and minimized charge transport molecule leaching when used with liquid toners. Further, the photoconductor has a relatively high glass transition temperature. The photoconductors of the present invention utilize, as the binder in the charge transport layer, a specifically defined bisphenol A/bisphenol TMC polycarbonate copolymer which has a bisphenol A: bisphenol TMC weight ratio of from about 30:70 to about 70:30, preferably from about 35:65 to about 65:35, and a polymer molecular weight of from about 10,000 to about 100,000, preferably from about 20,000 to about 50,000.

IPC 1-7

G03G 5/05

IPC 8 full level

C08G 64/00 (2006.01); **C08G 64/04** (2006.01); **C08K 5/00** (2006.01); **C08L 69/00** (2006.01); **G03G 5/05** (2006.01); **G03G 5/06** (2006.01); **G03G 9/12** (2006.01); **G03G 15/10** (2006.01)

CPC (source: EP US)

G03G 5/0564 (2013.01 - EP); **G03G 5/06142** (2020.05 - EP US); **G03G 5/0616** (2013.01 - EP); **G03G 5/0631** (2013.01 - EP); **G03G 5/0672** (2013.01 - EP)

Cited by

EP1155356A4; EP1291723A3; LT4555B; US8722289B2; US8697321B2; US6861188B2; US8709689B2; US9823592B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0767411 A1 19970409; EP 0767411 B1 20010321; DE 69612160 D1 20010426; JP H09171263 A 19970630

DOCDB simple family (application)

EP 96306948 A 19960924; DE 69612160 T 19960924; JP 28169896 A 19961003