

Title (en)  
Electrophotographic recording material.

Title (de)  
Elektrophotographisches Aufzeichnungsmaterial.

Title (fr)  
Matériau d'enregistrement électrophotographique.

Publication  
**EP 0402979 A1 19901219 (EN)**

Application  
**EP 90201422 A 19900605**

Priority  
EP 89201573 A 19890616

Abstract (en)  
An electrophotographic recording material which comprises on an electrically conductive support a positively chargeable photoconductive recording layer free from n-type charge transport material, which layer contains in an electrically insulating organic polymeric binder material photoconductive p-type pigment material mainly comprising a metal-free phthalocyanine in the chi -form, wherein said layer has a thickness in the range of 4 to 40  $\mu$  m and comprises 5 to 40 % by weight of said p-type pigment material in said electrically insulating organic polymeric binder material that has a volume resistivity of at least  $10^{10}$  Ohm-m, and wherein said recording layer in electrostatically charged state requires for 10 % and 90 % discharge respectively exposures to conductivity increasing electromagnetic radiation that differ by a factor 5 or less.

IPC 1-7  
**G03G 5/06**

IPC 8 full level  
**G03G 5/04** (2006.01); **G03G 5/05** (2006.01); **G03G 5/06** (2006.01)

CPC (source: EP)  
**G03G 5/0564** (2013.01); **G03G 5/0582** (2013.01); **G03G 5/0596** (2013.01); **G03G 5/0696** (2013.01)

Citation (search report)  

- [X] FR 2074539 A5 19711001 - XEROX CORP
- [A] DE 2108963 A1 19720831 - XEROX CORP
- [A] EP 0237953 A2 19870923 - MITSUBISHI CHEM IND [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 401 (P-776)(3248) 25 October 1988, & JP-A-63 142356 (SEIKO EPSON) 14 June 1988,
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 108 (P-843)(3456) 15 March 1989, & JP-A-63 286857 (FUJI) 24 November 1988,
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 284 (P-501)(2340) 26 September 1986, & JP-A-61 105550 (FUJI) 11 August 1987,
- [A] PATENT ABSTRACTS OF JAPAN vol. 122, no. 9 (P-660)(2876) 28 January 1988, & JP-A-62 182744 (MITSUBISHI) 11 August 1987,

Cited by  
EP0738933A1; US5686216A

Designated contracting state (EPC)  
BE DE FR GB NL

DOCDB simple family (publication)  
**EP 0402980 A1 19901219**; EP 0402979 A1 19901219; JP H0331847 A 19910212; JP H0331849 A 19910212

DOCDB simple family (application)  
**EP 90201423 A 19900605**; EP 90201422 A 19900605; JP 15656990 A 19900614; JP 15657090 A 19900614