

Title (en)

Photosensitive member, process for its production, image forming apparatus having the photosensitive member, and image forming process

Title (de)

Lichtempfindliches Element, Verfahren zu dessen Herstellung, Bildherstellungsapparat dieses lichtempfindliche Element umfassend, und Bildherstellungsverfahren

Title (fr)

Élément photosensible, procédé pour sa fabrication, appareil de formation d'image comprenant cet élément photosensible, et procédé de formation d'image

Publication

EP 0872771 A3 19990107 (EN)

Application

EP 98106550 A 19980409

Priority

JP 11353897 A 19970414

Abstract (en)

[origin: EP0872771A2] In order to improve release properties and slipperiness of toner on a surface of a photosensitive member, the surface layer of the photosensitive member is formed of a non-single-crystal carbon film having a low spin density and a short spin relaxation time and containing at least hydrogen atom, to thereby provide a photosensitive member that can form highly minute and high-grade images and has a superior durability and provide a photosensitive member that has a high sensitivity, may not cause any faulty images due to a leak, and can stably obtain ghost-free, high-grade images without causing any changes with time. <IMAGE>

IPC 1-7

G03G 5/082

IPC 8 full level

G03G 5/08 (2006.01); **C23C 16/50** (2006.01); **G03G 5/043** (2006.01); **G03G 5/082** (2006.01); **G03G 5/147** (2006.01); **H01L 21/205** (2006.01)

CPC (source: EP KR)

G03G 5/04 (2013.01 - KR); **G03G 5/0433** (2013.01 - EP); **G03G 5/08285** (2013.01 - EP); **G03G 5/14773** (2013.01 - EP)

Citation (search report)

- [A] US 5094929 A 19920310 - YAGI SHIGERU [JP], et al
- [DA] US 4661427 A 19870428 - KANAI MASAHIRO [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 11, no. 331 (P - 630) 29 October 1987 (1987-10-29)
- [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 473 (P - 799) 12 December 1988 (1988-12-12)
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 48 (P - 997) 29 January 1990 (1990-01-29)

Cited by

CN108254913A

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 0872771 A2 19981021; **EP 0872771 A3 19990107**; **EP 0872771 B1 20010718**; CN 1126991 C 20031105; CN 1196504 A 19981021; DE 69801131 D1 20010823; DE 69801131 T2 20011115; JP H10288852 A 19981027; KR 100289479 B1 20010502; KR 19980081387 A 19981125

DOCDB simple family (application)

EP 98106550 A 19980409; CN 98106915 A 19980414; DE 69801131 T 19980409; JP 11353897 A 19970414; KR 19980013216 A 19980414