

Title (en)

ELECTROPHOTOGRAPHIC RECORDING MATERIAL AND PROCESS FOR ITS MANUFACTURE

Publication

**EP 0408966 A3 19910424 (DE)**

Application

**EP 90112591 A 19900702**

Priority

- DE 3923930 A 19890719
- DE 3923931 A 19890719

Abstract (en)

[origin: EP0408966A2] A new electrophotographic recording material for xerography is proposed which is applied to a laminar or drum-type substrate in a layered construction, which has a photoconductive layer and in which at least the uppermost layer is formed from amorphous hydrogenated carbon. In a variant of the process, the amorphous hydrogenated carbon layer is deposited from an HF-excited low-pressure plasma with gaseous carbon as reaction gas, a self-bias DC voltage being superimposed on the high-frequency field. The a-C:H material obtained in this way is semiconducting and has photoconducting properties so that it can also be used for the photoconducting layer in electrophotographic recording material. <IMAGE>

IPC 1-7

**G03G 5/082**

IPC 8 full level

**G03G 5/147** (2006.01); **G03G 5/08** (2006.01); **G03G 5/082** (2006.01)

CPC (source: EP US)

**G03G 5/08285** (2013.01 - EP US)

Citation (search report)

- [X] US 4634648 A 19870106 - JANSEN FRANK [US], et al
- [X] DE 3610076 A1 19861009 - FUJI ELECTRIC CO LTD [JP]
- [X] DE 3821665 A1 19890105 - MINOLTA CAMERA KK [JP]
- [X] EP 0261654 A2 19880330 - MINOLTA CAMERA KK [JP]
- [X] PATENT ABSTRACTS OF JAPAN, Band 12, Nr. 93 (P-680)[2940], 26. März 1988; & JP-A-62 226 158 (SHARP CORP.) 05-10-1987
- [X] PATENT ABSTRACTS OF JAPAN, Band 11, Nr. 142 (P-573)[2589], 9. Mai 1987; & JP-A-61 278 659 (FUJI ELECTRIC) 09-12-1986
- [X] PATENT ABSTRACTS OF JAPAN, Band 12, Nr. 74 (P-674)[2921], 9. März 1988; & JP-A-62 212 662 (FUJI ELECTRIC) 18-09-1987

Cited by

DE102008015118A1; WO2011033438A2; DE102009041642A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

**EP 0408966 A2 19910123; EP 0408966 A3 19910424;** JP H0353259 A 19910307; US 5108860 A 19920428

DOCDB simple family (application)

**EP 90112591 A 19900702;** JP 18928190 A 19900716; US 55252490 A 19900716