

Title (en)

An electrophotographic lithographic printing plate precursor.

Title (de)

Elektrophotographische Flachdruckform-Vorstufe.

Title (fr)

Précurseur électrophotographique de plaque d'impression lithographique.

Publication

**EP 0425224 A1 19910502 (EN)**

Application

**EP 90311568 A 19901022**

Priority

- JP 27721789 A 19891026
- JP 30774289 A 19891129

Abstract (en)

An electrophotographic lithographic printing plate precursor, in which the effect by the hydrophilic property of non-image areas is further improved, and which is stable during storage even under very severe conditions and capable of readily realizing the hydrophilic property in a short time during processing of rendering hydrophilic is provided, which utilizes an electrophotographic photoreceptor comprising a conductive support having provided thereon at least one photoconductive layer and further provided thereon a surface layer as an outermost layer, wherein said surface layer comprises at least one resin containing at least one polymeric component having at least one of functional groups represented by the following General Formula (I) and General Formula (II): General Formula (I)  $-W1 \text{ \&parstr} CH_2 \text{ \&parstr} @@CH=CH_2$  General Formula (II)  $-W2 \text{ \&parstr} CH_2 \text{ \&parstr} @@CH_2CH_2-X$  wherein  $-W1-$  and  $-W2-$  each represent  $-SO_2-$ ,  $-CO-$  or  $-OOC-$ ,  $n_1$  and  $n_2$  each represent 0 or 1 and X represents a halogen atom.

IPC 1-7

**G03G 5/147**; **G03G 13/28**

IPC 8 full level

**G03G 5/147** (2006.01)

CPC (source: EP)

**G03G 5/14786** (2013.01); **G03G 5/14791** (2013.01)

Citation (search report)

- [A] EP 0284748 A2 19881005 - FUJI PHOTO FILM CO LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 1 (P-985)(3944) 08 January 1990, & JP-A-1 254970 (FUJI PHOTO FILM CO.,LTD.) 11 October 1989,
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 355 (P-914)(3703) 09 August 1989, & JP-A-1 114860 (FUJI FILM PHOTO CO.,LTD.) 08 May 1989,

Cited by

US5422210A; EP0504794A1; EP0460558A1; US5391449A

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

**EP 0425224 A1 19910502**

DOCDB simple family (application)

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