

Title (en)

Single-layer type electrophotosensitive material

Title (de)

Einschichtiges elektrophotographisches Element

Title (fr)

Matériau électrophotosensible à une couche

Publication

EP 1243974 A1 20020925 (EN)

Application

EP 01302491 A 20010319

Priority

EP 01302491 A 20010319

Abstract (en)

Disclosed is a single-layer type electrophotosensitive material which comprises a conductive substrate, and a photosensitive layer made of a binder resin containing at least an electric charge generating material and an electric charge transferring material formed on said conductive substrate, wherein said photosensitive layer contains a polyalkylene glycol compound represented by the formula $\text{A1-O-}\ddot{\text{A}}(\text{CH}_2)_m\text{-O}\ddot{\text{U}}_n\text{-A2}$ wherein A1 and A2 are the same or different and represent an alkyl or aryl group having 1 to 50 carbon atoms, or a group: $-\text{CO-R}_{<10>}$ ($\text{R}_{<10>}$ represents an alkyl or aryl group having 1 to 50 carbon atoms), m represents an integer of 1 to 5, and n represents an integer of 2 to 100, which is superior in wear resistance, sensitivity and gas resistance. <IMAGE>

IPC 1-7

G03G 5/05

IPC 8 full level

G03G 5/05 (2006.01)

CPC (source: EP)

G03G 5/0564 (2013.01); **G03G 5/0567** (2013.01)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 015, no. 451 (P - 1276) 15 November 1991 (1991-11-15)
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 497 (P - 806) 26 December 1988 (1988-12-26)

Cited by

CN102399156A; JP2018025656A; CN102399157A; JP2016090611A

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