



(12) **CORRECTED EUROPEAN PATENT APPLICATION**

(15) Correction information:
Corrected version no 1 (W1 A2)
Corrections, see
Bibliography INID code(s) 84

(51) Int Cl.:
G03G 5/05 (2006.01) **G03G 5/06** (2006.01)

(48) Corrigendum issued on:
04.08.2010 Bulletin 2010/31

(43) Date of publication:
17.02.2010 Bulletin 2010/07

(21) Application number: **09014177.1**

(22) Date of filing: **15.07.2005**

(84) Designated Contracting States:
DE

(30) Priority: **16.07.2004 JP 2004210571**

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
05762070.0 / 1 770 447

(71) Applicant: **Mitsubishi Chemical Corporation**
Minato-ku
Tokyo 108-0014 (JP)

(72) Inventors:
• **Tajima, Hiroyuki**
Yikohama-shi
Kanagawa 2270033 (JP)

• **Kumano, Yuuta**
Yikohama-shi
Kanagawa 2270033 (JP)

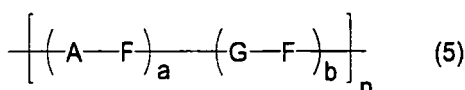
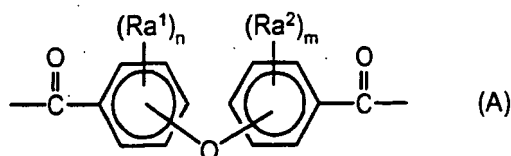
(74) Representative: **HOFFMANN EITLE**
Patent- und Rechtsanwälte
Arabellastrasse 4
81925 München (DE)

Remarks:

This application was filed on 12-11-2009 as a divisional application to the application mentioned under INID code 62.

(54) **Electrophotographic photoreceptor**

(57) Disclosed is an electrophotographic photoreceptor which is excellent in wear resistance and electrical characteristics. Specifically disclosed is an electrophotographic photoreceptor containing a polyester resin in a photosensitive layer provided on an electroconductive substrate. The polyester resin is composed of a copolymer of formula (5).



(wherein Ra¹ and Ra² represents a hydrogen atom or a monovalent substituent which may have a substituent, and n and m is from 0 to 4.),
F is:

wherein {a/(a+b)} > 0.7, A is:

(wherein X^2 represents a single bond or a bivalent group; each of R^7 and R^8 represents a hydrogen atom, an alkyl group, an aryl group, a halogen group, or an alkoxy group; and k and l are from 1 to 4.), and

G is:

(19)



(wherein x^3 represents a bivalent group.)