Europäisches Patentamt European Patent Office

Office européen des brevets



(11) EP 0 744 666 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 02.01.1997 Bulletin 1997/01

(51) Int. CI.6: **G03G 5/147**, G03G 5/05

(43) Date of publication A2: **27.11.1996 Bulletin 1996/48**

(21) Application number: 96107995.1

(22) Date of filing: 20.05.1996

(84) Designated Contracting States: **DE FR GB**

(30) Priority: **22.05.1995 JP 122549/95 13.12.1995 JP 324458/95**

(71) Applicant: KONICA CORPORATION Tokyo (JP)

(72) Inventors:

- Itami, Akihiko Hachioji-shi, Tokyo (JP)
- Fukumoto, Chikusa Hachioji-shi, Tokyo (JP)
- (74) Representative: Henkel, Feiler, Hänzel & Partner Möhlstrasse 37 81675 München (DE)

(54) Photoreceptor for electrophotography

(57) A photoreceptor for electro-photography is disclosed. In the photoreceptor, the outermost surface layer comprises a polycarbonate resin having viscometric average molecular weight of 40,000 or more, and the amount of solvent remaining in said photosensitive layer is not more than 2% by weight of said photosensitive layer. A photoreceptor for electrophotography with enhanced durability without causing insufficient cleaning is provided by the invention. A method of manufacturing the same, an electrophotographic apparatus and an apparatus unit using the same are also disclosed.



EUROPEAN SEARCH REPORT

Application Number EP 96 10 7995

Category		Citation of document with indication, where appropriate, of relevant passages		CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	PATENT ABSTRACTS OF JAPAN vol. 95, no. 001 & JP-A-07 013364 (RICOH CO LTD), 17 January 1995,		1,3,9	G03G5/147 G03G5/05
γ	* abstract *		2,4,7	
X	US-A-5 232 804 (M.F.MOLAIRE) * column 2, line 13 - line 58; claims 1,10,12,13 * * column 11, line 39 - column 13, line 10		1,3,8,9	
X	US-A-5 382 489 (F.OJIMA) * claims 1,3; example 1 *		1,3,8,9	
Υ	WO-A-95 02853 (MMM) * claim 1 * 		7	
Υ	EP-A-0 538 795 (MITSUBISHI) * claims 1,6; examples 1-10 *		2	TECHNICAL FIELDS
Υ	EP-A-0 486 038 (IDEM * claim 1 *	-A-0 486 038 (IDEMISU) claim 1 * 		SEARCHED (Int.Cl.6)
Α	PATENT ABSTRACTS OF JAPAN vol. 95, no. 005 & JP-A-07 128877 (RICOH CO LTD), 19 May 1995, * abstract *		1	
Α	PATENT ABSTRACTS OF JAPAN vol. 017, no. 390 (P-1577), 21 July 1993 & JP-A-05 066577 (RICOH CO LTD), 19 March 1993, * abstract *		1	
	The present search report has bee	n drawn up for all claims Date of completion of the search		Examiner
THE HAGUE 18 October 1996		Var	hecke, H	
X: par Y: par doo A: tec	CATEGORY OF CITED DOCUMENT ticularly relevant if taken alone ticularly relevant if combined with anoth unment of the same category hnological background n-written disclosure ermediate document	E : earliér patent after the filing her D : document cite L : document cite	ciple underlying the document, but pub g date d in the application if for other reasons	lished on, or

PO FORM 1503 03.82 (