

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



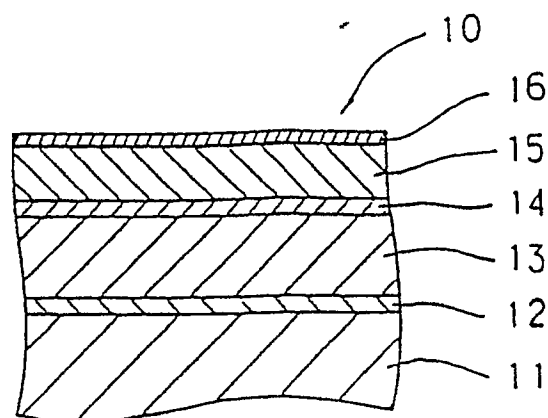
(11) Publication number:

0 435 608 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **90314132.3**(51) Int. Cl.⁵: **G03G 9/087, G03G 9/097**(22) Date of filing: **21.12.90**(30) Priority: **27.12.89 JP 336726/89**(43) Date of publication of application:
03.07.91 Bulletin 91/27(84) Designated Contracting States:
DE GB(98) Date of deferred publication of the search report:
11.09.91 Bulletin 91/37(71) Applicant: **KONICA CORPORATION**
26-2, Nishishinjuku 1-chome, Shinjuku-ku
Tokyo 160(JP)(72) Inventor: **Yamane, Kenji**
c/o Konica Corporation, 2970 Ishikawa-cho
Hachioji-shi, Tokyo(JP)
Inventor: **Yamazaki, Hiroshi**
c/o Konica Corporation, 2970 Ishikawa-cho
Hachioji-shi, Tokyo(JP)(74) Representative: **Senior, Alan Murray et al**
J.A. KEMP & CO 14 South Square Gray's Inn
London WC1R 5EU(GB)(54) **Image forming process.**

(57) An image forming process comprising cleaning toner remaining on an amorphous silicon photoreceptor, forming an electrostatic latent image on the amorphous silicon photoreceptor, developing the latent image to form a toner image with the developer, and transferring the toner image to a transfer member; wherein the developer comprises a toner which comprises colored particles containing at least a resin and a colorant and composite particles, the composite particles comprising inorganic particles having an average particle-size of 0.01 to 1 μm each stuck onto the surfaces of resin particles having an average particle-size of 0.1 to 7 μm and the resin of the resin particle having a yield point from 10 to 500 kg/cm^2 at 20 °C.

Fig. 1**EP 0 435 608 A3**



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 31 4132

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X,D	PATENT ABSTRACTS OF JAPAN, vol. 13, no. 324 (P-903)[3672], 21st July 1989; & JP-A-1 91 143 (KONICA CORP.) 10-04-1989 * Entire abstract *	1,2,5-7	G 03 G 9/097 G 03 G 9/087
Y	IDEM	1-9	
Y	PATENT ABSTRACTS OF JAPAN, vol. 5, no. 52 (P-56)[724], 11th April 1981; & JP-A-56 6248 (CANON K.K.) 22-01-1981 * Entire abstract *	1-9	
A	PATENT ABSTRACTS OF JAPAN, vol. 12, no. 214 (P-718)[3061], 18th June 1988; & JP-A-63 11 956 (CANON INX.) 10-01-1988 * Entire abstract *	1	
A	GB-A-2 170 917 (RICOH CO., LTD) * Abstract; claims; pages 2,3, example 1 *	1,5,6	
A	PATENT ABSTRACTS OF JAPAN, vol. 13, no. 370 (P-920)[3718], 17th August 1989; & JP-A-1 126 660 (KONICA CORP.) 18-05-1989 * Entire abstract *	1-9	TECHNICAL FIELDS SEARCHED (Int. Cl.5) G 03 G
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		07 June 91	HILLEBRECHT D.A.O.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &: member of the same patent family, corresponding document			