

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 459 607 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **91300504.7**(51) Int. Cl.⁵: **G03G 15/02, G03G 15/08,
G03G 21/00**(22) Date of filing: **23.01.91**(30) Priority: **31.05.90 JP 142970/90**(43) Date of publication of application:
04.12.91 Bulletin 91/49(84) Designated Contracting States:
DE FR GB(88) Date of deferred publication of the search report:
02.09.92 Bulletin 92/36

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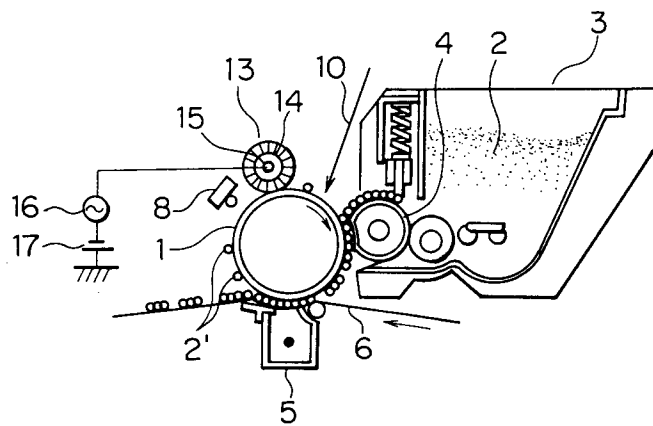
(54) **Recording apparatus.**

(57) The recording apparatus comprises an electrostatic latent image base (1), charging means (13) for equally charging the surface of the electrostatic latent image base (1), means for attenuating part of electric charges on the surface of the electrostatic latent image base charged by the charging means and for forming an electrostatic latent image, developing means (3) for adhering toner particles on the electrostatic latent image so as to form a toner image, and transferring means (5) for transferring the toner image onto an image base. The developing means (3) attracts and collects residual toner particles into the developing means and develops the electrostatic latent image at the same time. The

charging means (13) has a particular charging function and a residual toner image equalizing function for disturbing a residual toner image left on the electrostatic latent image base and for equalizing the distribution of the toner particles. The charging and residual toner image equalizing means securely charges the electrostatic latent image base and equalizes the residual toner particles at the same time. The recording apparatus can be readily structured in small size and at low cost. The recording apparatus is free from contamination due to by-product in the discharging operation. Furthermore, the recording apparatus can usually output ghost-free high quality images.

EP 0 459 607 A3

FIG. 3





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EUROPEAN SEARCH REPORT

Application Number

EP 91 30 0504

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)
D,X	DE-A-3 706 873 (K.K. TOSHIBA) * claims 14-17; figures 6-8 * * column 9, line 68 - column 10, line 24 * * column 10, line 57 - column 11, line 9 * ---	1-19	G03G15/02 G03G15/08 G03G21/00
X Y	EP-A-0 083 990 (PITNEY BOWES INC.) * the whole document * ---	1,2,5 3,6-19	
Y	PATENT ABSTRACTS OF JAPAN vol. 10, no. 288 (P-502)(2344) 30 September 1986 & JP-A-61 107 357 (FUJI XEROX) 26 May 1986 * abstract * ---	3,6-14	
Y	PATENT ABSTRACTS OF JAPAN vol. 10, no. 198 (P-476)(2254) 11 July 1986 & JP-A-61 042 669 (OKI ELECTRIC) 1 March 1986 * abstract * ---	15-16	
Y	PATENT ABSTRACTS OF JAPAN vol. 12, no. 468 (P-797)(3315) 8 December 1988 & JP-A-63 187 267 (NIPPON TELEGR & TELEPH) 2 August 1988 * abstract * ---	17	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03 JULY 1992	Examiner LEISNER C, O, D.
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			