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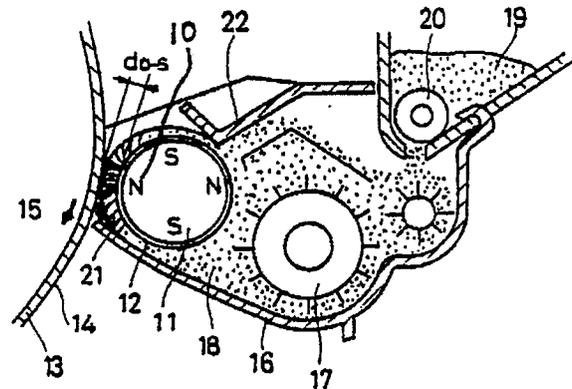
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(54) **Developing method using two-component type developer.**

(57) In a developing method comprising delivering a two-component type developer (18) comprising a magnetic carrier and a toner and developing an electrostatic latent image on a photosensitive drum (15), the developing conditions are set so that the degree (R) of substitution of the developer, which is the ratio of substitution of the volume of the developing zone by a fresh carrier/toner aggregate (developer) during the developing time, is within a specific range of from 16.00 to 33.00%. According to this developing method, in the reproduction of multiple fine lines, the line width is kept constant in each line and front end lacking or rear end lacking can be prevented, and an image having a high density and a high quality can be formed with an excellent image reproducibility.

Fig. 5



EP 0 405 694 A3



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)
Y	US-A-4 702 987 (FUKUCHI et al.) * Claims 1-3 * - - - -	1-4	G 03 G 13/09
Y	US-A-4 394 432 (NISHIKAWA) * Abstract; column 3, lines 45-50; column 4, lines 5-9 * - - - -	1-4	
A	EP-A-0 219 233 (CANON K.K.) * Page 25, lines 19-27; page 26, lines 1-5; page 54, lines 16-27; page 55, lines 1-19; page 60, lines 6-7; figure 8; claims 1-20 * - - - -	1-4	
A	PATENT ABSTRACTS OF JAPAN, vol. 12, no. 210 (P-717)[3057], 16th June 1988; & JP-A-63 8771 (CANON) 14-01-1988 - - - -	4	
D,A	PATENT ABSTRACTS OF JAPAN, vol. 12, no. 499 (P-807)[3346], 27th December 1988; & JP-A-63 208 867 (MINOLTA) 30-08-1988 - - - - -	1-4	
			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		14 March 91	LEISNER C.O.D.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			