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EUROPEAN PATENT APPLICATION

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Bulletin 81/49

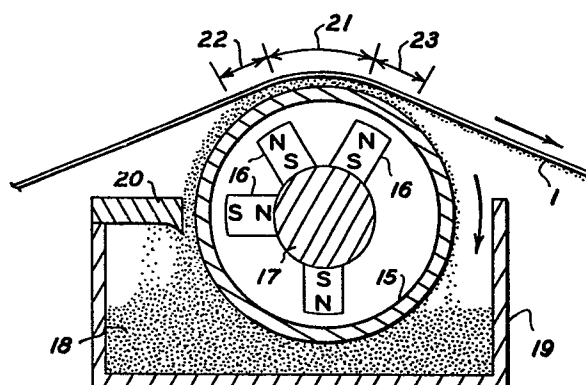
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⑧④ Designated Contracting States: **AT BE CH DE FR GB LI NL**

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⑤④ **Electrostatographic developing apparatus and method.**

⑤⑦ Electrostatographic developing apparatus including a developer applicator (15) for applying developer material (18) to an electrostatic latent image on a flexible imaging surface (1), the developer material comprising magnetically attractable carrier particles and toner particles. The applicator has within it magnets (16) for establishing a magnetic field having a region (21) of reduced strength in the development zone, and an electric field is established between the applicator and the imaging surface in the development zone. The imaging member (1) passes around a portion of the surface of the applicator (15) so as to be deflected by the applicator and spaced from it in use by at least one layer of carrier particles such that during relative movement between the applicator and the imaging surface, the carrier particles therebetween are caused to make rotational movements. The resulting shearing action on the toner particles, together with the electric field, produces a migration of toner particles towards the imaging surface.





European Patent
Office

EUROPEAN SEARCH REPORT

0041399
Application number

EP 81 30 2440.3

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p>DE - A1 - 2 611 995 (GENERAL ELECTRIC)</p> <p>* claims; fig. 2 *</p> <p>& US - A - 3 945 343</p> <p>--</p>	1,10	<p>G 03 G 15/09</p> <p>G 03 G 13/09</p>
	<p>IBM TECHNICAL DISCLOSURE BULLETIN,</p> <p>Vol. 17, No. 9, February 1975</p> <p>A.H. KNIGHT "Magnet Configuration for Magnetic Brush Developer"</p> <p>pages 2684 to 2686</p> <p>--</p>	1,10	
	<p>US - A - 4 177 757 (S. MURAKAWA et al.)</p> <p>* fig. 3 *</p> <p>--</p>	1,10	<p>TECHNICAL FIELDS SEARCHED (Int. Cl.³)</p> <p>G 03 G 13/00</p> <p>G 03 G 15/00</p>
P	<p>Patents Abstracts of Japan</p> <p>Vol. 4, Nr. 115, 16 August 1980</p> <p>page 23P23</p> <p>& JP - A - 55 - 69155</p> <p>--</p>	1,10	
D	<p>US - A - 3 900 001 (L.J. FRASER et al.)</p> <p>* column 4, lines 24 to 33; fig. 1 to 3 *</p> <p>----</p>	1,10	
			<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant</p> <p>A: technological background</p> <p>O: non-written disclosure</p> <p>P: intermediate document</p> <p>T: theory or principle underlying the invention</p> <p>E: conflicting application</p> <p>D: document cited in the application</p> <p>L: citation for other reasons</p>
<p>X The present search report has been drawn up for all claims</p>			<p>&: member of the same patent family, corresponding document</p>
Place of search		Date of completion of the search	Examiner
Berlin		06-11-1981	HOPPE