



EUROPEAN PATENT APPLICATION

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(54) **Electrophotographic copying machine and method for detecting density of original image thereof.**

(57) An electrophotographic copying machine includes a detecting device (12) for detecting an original image density by scanning an original before a copy is taken, an inputting device (6,7) for specifying a desired region where the original image density is detected by the detecting device, an exposing device (9) for exposing the original with an amount of light corresponding to the detected original image density at the time of copying, a converting device (10) for converting light from the exposed original to image light, a photoconductor (13) receiving the image light and forming an electrostatic latent image, a developer (15) for developing the electrostatic latent image of the photoconductor using toner, and a transcriber (14) for transferring the developed image to paper.





European Patent
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EUROPEAN SEARCH REPORT

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EP 91 40 2706

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	PATENT ABSTRACTS OF JAPAN vol. 8, no. 144 (P-284)(1581) 5 July 1984 & JP-A-59 042 551 (CANON K.K.) 9 March 1984 * abstract *	1,4,6,8	G03G15/00
A	--- PATENT ABSTRACTS OF JAPAN vol. 10, no. 308 (P-508)(2364) 21 October 1986 & JP-A-61 121 069 (MINOLTA CAMERA CO LTD) 9 June 1986 * abstract *	1,4,7,8	
A	--- US-A-4 662 738 (KASUYA) * column 5, line 61 - column 7, line 23; figures 1,2,6A,6B *	1,2,8	
A	--- US-A-4 711 554 (NISHIMORI) * abstract; figures 1,7,8A-9C *	1,3,5,7-9	
A	--- PATENT ABSTRACTS OF JAPAN vol. 9, no. 148 (P-366)(1871) 22 June 1985 & JP-A-60 026 367 (CANON K.K.) 9 February 1985 * abstract *	1,7,8	TECHNICAL FIELDS SEARCHED (Int. Cl.5) G03G
A	--- US-A-4 200 391 (SAKAMOTO ET AL.) * abstract; figures 3,4,5 *	1,5,8	

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 JANUARY 1993	Examiner CIGOJ P.M.
<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</p> <p>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</p>			

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