

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 88850279.6

(51) Int. Cl.⁵: **B41F 15/22, B41F 15/08**

(22) Date of filing: 25.08.88

(30) Priority: 28.08.87 SE 8703333

(43) Date of publication of application:
01.03.89 Bulletin 89/09

(84) Designated Contracting States:
DE ES FR GB IT SE

(88) Date of deferred publication of the search report:
16.05.90 Bulletin 90/20

(71) Applicant: **Svecia Silkscreen Maskiner AB**
Kumla Gardsväg Eriksbergs Industriområde
S-145 81 Norsborg(SE)

(72) Inventor: **Ericsson, Sylve Jack Donald**
Tolléns väg 8
D-147 00 Tumba(SE)

(74) Representative: **Lindblom, Erik J.**
Skördevägen 88
S-122 35 Enskede(SE)

(54) **A method for orientating print material for correct printing in a printing position externally of a printing position.**

(57) The invention relates to a method for orientating a second pattern (7a), deriving from a first pattern (6a) formed on a stencil (6), in relation to print material (7) so that the second pattern (7a) will have a pre-determined position in relation to the print material (7). The second pattern (7a) is formed by, in a printing position, passing coating substance through the first pattern (6a) and onto the print material, for instance with the aid of a squeegee in a silk screen printer.

It is proposed;

a) That the position of the print material in relation to a reference value, e.g. the printer chassis, is established in a first registered position (A), a material feed position, and the resultant measurement values stored;

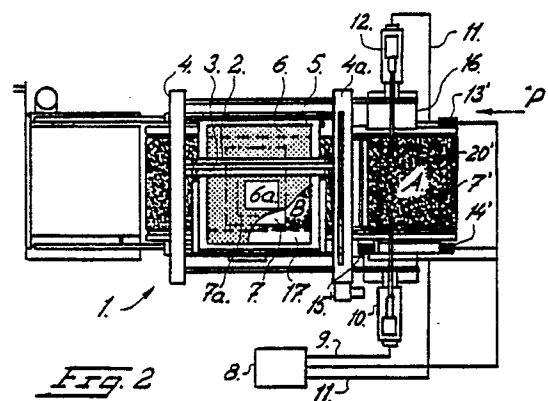
b) That the print material is moved to a second registered position, a printing position or the receipt of the second pattern;

c) That the material (7) printed with the second pattern (7a) according to "b" above is moved back to the first registered position (A) and the position of the printed second pattern (7a) in relation to said reference value is established and the resultant measurement values stored;

d) That in response to an established discrepancy between the actual position of the pattern, obtained by the transfer according to "b" above and

its pre-determined position, the stencil frame carrying the first pattern, and/or the print material and/or the printing table or the first registered position (A) is displaced to an extent and in a direction such as to minimise the established discrepancy;

e) That each subsequent print material registered in a similar manner in the first (A) and the second (B) position is printed in the second position (B) with a second pattern (7a) applied with minimised discrepancy.



EP 0 305 353 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.4)
X	PATENT ABSTRACTS OF JAPAN, vol. 10, no. 311 (M-528)[2367], 23rd October 1986; & JP-A-61 123 543 (HITACHI LTD) 11-06-1986 ---	1,2	B 41 F 15/22 B 41 F 15/08
A,D	US-A-4 516 495 (S.J.D. ERICSON) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 41 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29-01-1990	Examiner DELZOR F.N.M.
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			