

⑫

# EUROPEAN PATENT APPLICATION

⑪ Application number: 85107472.4

⑤① Int. Cl.<sup>3</sup>: **B 41 F 31/04**

⑫ Date of filing: 15.06.85

③① Priority: 11.07.84 US 629616

④③ Date of publication of application:  
15.01.86 Bulletin 86/3

⑧⑧ Date of deferred publication of search report: 07.10.87

⑧④ Designated Contracting States:  
DE GB SE

⑦① Applicant: **HARRIS GRAPHICS CORPORATION**  
200 Seminole Avenue  
Melbourne Florida 32901(US)

⑦② Inventor: **Kubert, Vincent T.**  
912 Briarcliff Court  
Arlington Texas 76012(US)

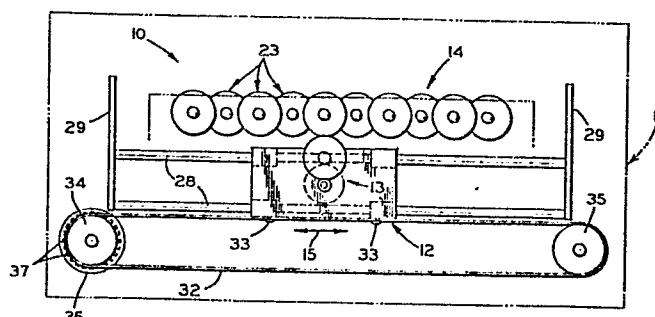
⑦② Inventor: **Richards, John S.**  
4702 Hillside Drive  
Arlington Texas 76013(US)

⑦④ Representative: **Rottmann, Maximilian R.**  
c/o Rottmann + Quehl AG Glattalstrasse 37  
CH-8052 Zürich(CH)

## ⑤④ Ink key control system.

⑤⑦ A printing press (11) including a console (14) of individual adjustable ink fountain keys (23) for regulating the thickness profile of the ink film supplied to the inker roll (17) by the fountain (16). The fountain keys are spaced along the length of the ink fountain and associated inker roll and each includes a friction wheel (26) by means of which it is adjusted. A key actuator (13) is mounted upon a carriage so as to traverse the console of keys. The key actuator includes a drive wheel (43) which engages the friction wheels of the ink keys in sequence as the carriage traverses the console in either direction. The carriage responds to commands as from an operator, an ink preset sensor or an on-press color sensor to

move the key actuator along the console to any of the keys requiring adjustment. As the drive wheel engages the friction wheel of each ink key in moving across the console, the key actuator responds to the command signal and rotates the drive wheel at a rate synchronized with the rate of travel of the carriage whereby those keys not requiring adjustment are not rotated. For those keys requiring adjustment, the drive wheel is caused to rotate while in contact with the friction wheel in such manner that the resulting key position is either more positive or more negative as instructed for that particular key.



**FIG. 1**



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)
A	US-A-3 134 325 (WORTHINGTON et al.) * Figures 2,4; column 2, line 41 - column 3, line 57 *	1	B 41 F 31/04
A	--- US-A-2 542 711 (SAUNDERS) * Figures 1-5; column 2, line 43 - column 3, line 6 * -----	4	
			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 13-07-1987	Examiner EVANS A.J.
<b>CATEGORY OF CITED DOCUMENTS</b> 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			