

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **88111464.9**

(51) Int. Cl.⁵: **B41F 31/14**

(22) Date of filing: **16.07.88**

(30) Priority: **21.07.87 JP 179950/87**

(43) Date of publication of application:
25.01.89 Bulletin 89/04

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

(88) Date of deferred publication of the search report:
25.04.90 Bulletin 90/17

(71) Applicant: **Maruta, Kazuo**
346-8, Oaza Takuma Takuma-cho
Mitoyo-gun Kagawa(JP)

(72) Inventor: **Maruta, Kazuo**
346-8, Oaza Takuma Takuma-cho
Mitoyo-gun Kagawa(JP)

(74) Representative: **Patentanwaltsbüro Cohausz & Florack**
Postfach 14 01 20 Schumannstrasse 97
D-4000 Düsseldorf 1(DE)

(54) **Ink feeding method and apparatus for printing press.**

(57) An apparatus for feeding ink from an ink pan (11) to a vibration roller (16), incorporated in a printing press, such as an offset press or a letter press, including a dip roller (13) rotatably in contact with an ink (12) received in the ink pan (11), a doctor blade (14) for forming an ink layer (2a) having a predetermined thickness on the surface of the dip roller (13), a vibration roller (16) disposed downstream of the dip roller (13), and a plurality of small rollers (15a through 15g) interposed between the dip roller (13) and the vibration roller (16) and periodically movable to be alternately in contact with either the surface of the dip roller (13) or the surface of the vibration roller (16). The reciprocation of each respective small rollers (15a through 15g) is controlled independently from the other small rollers (15a through 15g), through a drive mechanism comprising a solenoid (14), by a program memorized in a microcomputer so that the contact time period of the small roller (15a through 15g) in a cycle varies in accordance with a variation of the ink consumption in the width-wise direction of the press.

EP 0 300 389 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	FR-A-2 516 863 (MARINONI) * Pages 1-9; figures 1,2 * -----	1-4	B 41 F 31/14 B 41 F 33/00
			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 12-12-1989	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			