## (11) EP 1 992 484 A3

(12)

## **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: **21.10.2009 Bulletin 2009/43** 

(51) Int Cl.: **B41F 13/03** (2006.01)

B65H 20/16 (2006.01)

(43) Date of publication A2: 19.11.2008 Bulletin 2008/47

(21) Application number: 08152849.9

(22) Date of filing: 17.03.2008

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

**Designated Extension States:** 

AL BA MK RS

(30) Priority: 15.05.2007 JP 2007128715

(71) Applicant: Tokyo Kikai Seisakusho, Ltd. Tokyo (JP)

(72) Inventors:

 Suzuki, Kunio Yokohama-shi Kanagawa (JP)

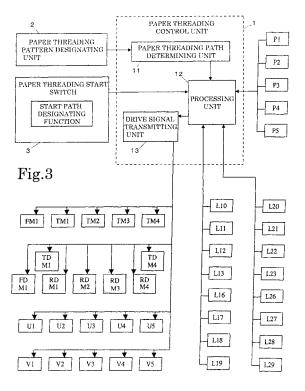
London WC1V 7JH (GB)

 Ichino, Masaki Inagi-shi Tokyo (JP)

(74) Representative: Cooper-Rolfe, Elizabeth Louise Haseltine Lake LLP Lincoln House, 5th Floor 300 High Holborn

(54) Paper threading method for rotary press and paper threading apparatus for rotary press

(57)A paper threading control unit (1) determines paper threading paths, drives a paper threading member drive unit (Ui, Vi) provided in a paper threading guide (Ai, Bi) relating to each of the paper threading paths, a printing cylinder drive unit (TMi), and a paper drawing roller drive unit (RDMi,TDMi) as a set, and when arrival of the paper threading member (ai) at a predetermined position of the paper threading guide (Ai,Bi) is detected by a detecting unit, the paper threading control unit (1) stops the paper threading member drive unit (Ui,Vi), the printing cylinder drive unit (TMi) and the paper drawing roller drive unit (RDMi,TDMi) in the same set as the paper threading guide (Ai,Bi) to which the detecting unit belongs, while when detection signals of the detecting unit relating to all the sets of the paper threading paths are outputted, the paper threading control unit (1) drives all the sets.





## **EUROPEAN SEARCH REPORT**

Application Number EP 08 15 2849

	DOCUMENTS CONSID	ERED TO B	E RELEVAN	IT			
Category	Citation of document with in of relevant pass		appropriate,		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
D,A	JP 07 009673 A (ROL 13 January 1995 (19 * abstract *	_AND MAN DF 995-01-13)	RUCKMASCH)	1	,3	INV. B41F13/03 B65H20/16	
D,A	JP 03 162353 A (TOK LTD) 12 July 1991 ( * abstract *			1	,3		
D,A	JP 05 269963 A (TOM LTD) 19 October 199 * abstract *	XYO KIKAI S 93 (1993-10	SEISAKUSHO )-19)	1	,3		
						TECHNICAL FIELDS SEARCHED (IPC)	
						B65H	
	The present search report has	been drawn up fo	or all claims				
	Place of search	Date o	f completion of the sea	ırch		Examiner	
	The Hague	10	10 September 2009			Madsen, Peter	
X : parti Y : parti docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anot unent of the same category inological background written disclosure mediate document		T : theory or p E : earlier pat after the fil D : document L : document	orinciple und ent docume ing date cited in the cited for oth	derlying the intent, but public application aprication	nvention	

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 08 15 2849

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

10-09-2009

Patent document cited in search report		Publication date	Patent family member(s)			Publication date
JP 7009673	A	13-01-1995	CA DE EP JP US	2124868 4318299 0631866 2815310 5542350	A1 A1 B2	03-12-199 08-12-199 04-01-199 27-10-199 06-08-199
JP 3162353	A	12-07-1991	JP JP	1958933 6088695		10-08-199 09-11-199
JP 5269963	A	19-10-1993	JP JP	2081612 7112733		23-08-199 06-12-199
			JP 	/112/33		06-12-199

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82