(11) **EP 0 785 070 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 14.01.1998 Bulletin 1998/03

(51) Int Cl.⁶: **B41F 15/36**, B41F 33/00, B41F 15/08, B41F 33/04

- (43) Date of publication A2: 23.07.1997 Bulletin 1997/30
- (21) Application number: 97200122.6
- (22) Date of filing: 15.01.1997
- (84) Designated Contracting States:

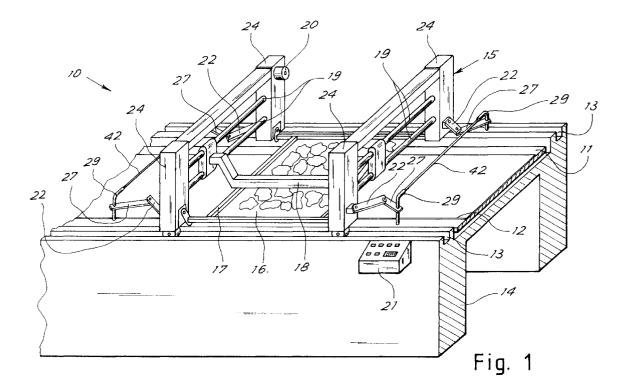
 AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE
- (30) Priority: 17.01.1996 IT MI960028 U
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(54) Moving-frame printing machine frame-holding carriage with obstacle-detection sensor

(57) Printing frame-holding carriage (15) for printing machines (10) for ribbon-like products (12) of the type moving on the machine along the ribbon between preset printing positions and equipped with motor means (20) and motion control means (21) and characterized in that

it comprises means (22,27,29,42) of detection of the presence of obstacles along the motion trajectory. The detection means are connected to control means (34,35) for stopping the carriage (15) upon detection of an obstacle.





EUROPEAN SEARCH REPORT

Application Number EP 97 20 0122

	DOCUMENTS CONSIDER		T 5	
Category	Citation of document with indica of relevant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.C1.6)
Y	DE 11 96 158 B (IGNAC see whole document	IO SAGNIER VIDAL)	1-17	B41F15/36 B41F33/00
Y	EP 0 458 098 A (JENKN * column 1, line 1 - figures 1-4 *	ER, ERWIN) column 4, line 19;	1-17	B41F15/08 B41F33/04
Y	US 3 106 890 A (J. SC) * column 1, line 10 - figures 1-10 *	 HMITT) column 11, line 11; 	11-14	
				TECHNICAL FIELDS SEARCHED (Int.CI.6) B41F F16P B41L
	The present search report has been			
	Place of search	Date of completion of the search		Examiner
MUNICH 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		E : earlier patent de after the filing da D : document cited L : document cited & : member of the s	31 October 1997 Greiner, E T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filling date D: document ofted in the application L: document ofted for other reasons a: member of the same patent family, corresponding document	

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