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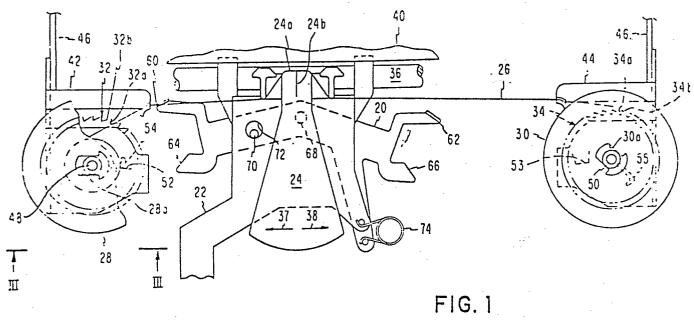
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(54) Print ribbon feed device.

(57) To provide an improved mechanical reversible spooling drive in a printer, a pair of spool spindles (32; 34), each carrying an apertured circular plate with peripheral ratchet teeth (32a; 32b: 34a; 34b) and a bail trigger (54; 55) spring loaded to extend through the aperture from one side thereof, are provided at the limits of the print path of a print head (24) driven reciprocally over the path. Print ribbon in the path is spooled on and between the spindles generally obstructing the apertures and restraining the triggers against the spring loading. Fixed abutments (52; 53) are engageable by a respective trigger when its spool is empty to lock that spindle and to engage, m when the head is at the end of the path, a camming surface (64; 66) provided at each end of a bail (20) pivotally mounted on the print head and rendered positionally bistable by an overcentre mechanism (74) and place it in a position in which one of a pair of pawls (60; 62) engage the ratchet teeth to spool ribbon onto the "empty" spindle each time the print head reaches that end of the print path.







EUROPEAN SEARCH REPORT

EP 80 10 3960

DOCUMENTS CONSIDERED TO BE RELEVANT				EP 80 10 3960
				CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Category	Citation of document with ind passages	lication, where appropriate, of relevant	Relevant to claim	
D	* Column 3, 1	246 (N. KONDUR) ines 46-64; column to column 8, line 1,2,6,7 *	1,2	B 41 J 33/514 33/382
	FR - A - 788 9 * Whole docum	26 (J. VAN DEN BERGH ent *) 1	
	US _ A _ 1 35/	220 (A E MOGER)		TECHNICAL FIELDS SEARCHED (Int.Cl. 3)
	* Page 1, line	329 (A.F. MOSER) es 61-96; page 3, ; figures 1-13 *	1,4	
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A	<u>US - A - 3 356</u> * Column 3, 1: 2,3 *	202 (W. GOFF) ines 47-63; figures		
A		267 (S.S. ECKERD) ine 57 to column 3, gures 1,2 *		
				CATEGORY OF CITED DOCUMENTS
A	FR - A - 2 296 531 (VEB KOMBINAT ZENTRONIK)		X: particularly relevant A: technological background	
	* Page 8, line 17 à page 9, line 9; figure 1 *			O: non-written disclosure P: intermediate document T: theory or principle underlying
				the invention E: conflicting application D: document cited in the application L. citation for other reasons
λ	The present search report has been drawn up for all claims			&: member of the same patent family, corresponding document
Place of se	The Hague	Date of completion of the search 29-01-1981	Examiner V A N	DEN MEERSCHAUT
CPU Form	1503.1 06.78			