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54 **Automatic system to replace yarn feed packages on textile machines.**

57 Automatic system to replace yarn feed packages on textile machines (10) which consist of a plurality of production units (11) arranged in succession along the machines (10) and comprise a working side (13), the production units (11) being fed by yarn feed package (14) of any yarn (32) and of any geometric conformation and winding the yarn (32) onto yarn packages (17) containing the yarn (32) in a quantity coordinated or not coordinated with the quantity held on the yarn feed packages (14), the system comprising a movable carriage (22) able to run to and fro along the working side (13) of the machine (10) and suitable to replace the feed packages (14) automatically and to replace automatically the full yarn packages (17) already wound on each production unit (11), the movable carriage (22) comprising a yarn package store (28) cooperating with a conveyor device (26) for the replacement feed packages (25), the conveyor device (26) having a length coordinated with the lengthwise extent of the textile machine (10).

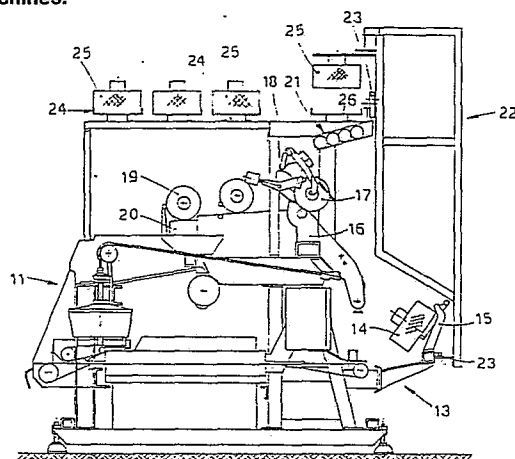


fig.2



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 88114841.5
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Y	DE - A1 - 3 630 904 (BARMAG AG)	1,2,3,5	B 65 H 67/06
A	* Claims; fig. 1,2 * --	9,10,11,13,17,18	
Y	US - A - 3 811 631 (M. MAYER, R. NAYDOWSKI)	1,2,3,5	
	* Claims *		
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A	DE - A1 - 3 532 002 (C. EUGEN MAIER M. GMBH)	1,2,3,4,5	
	* Fig. 1,2 *		
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A	DE - A1 - 3 531 184 (C. EUGEN MAIER M. GMBH)	1,6,9,10,11	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
	* Fig. 1,2 *		B 65 H 67/00
	--		B 65 H 54/00
A	DE - A1 - 3 432 184 (MURATA KIKAI K.K.)	1,2,5,8,13	
	* Fig. 1,2 *		
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P,A	EP - A1 - 0 276 651 (S.A.M.P.S.p.A. MECC. DI PR.)	1	
	* Totality *		
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The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 28-02-1989	Examiner JASICEK
<b>CATEGORY OF CITED DOCUMENTS</b>			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
Y : particularly relevant if combined with another document of the same category		E : earlier patent document, but published on, or after the filing date	
A : technological background		D : document cited in the application	
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P : intermediate document		& : member of the same patent family, corresponding document	