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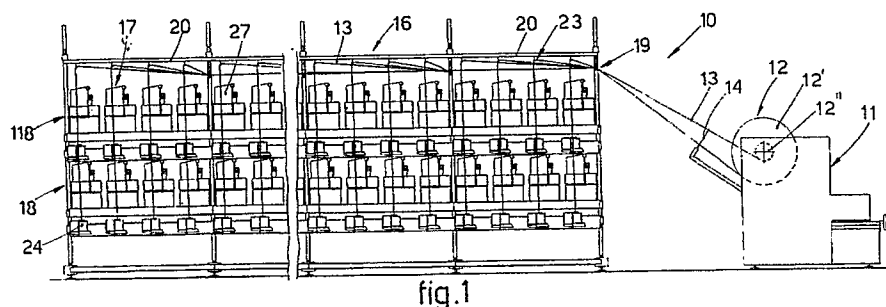
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**Winding machine fed with beams of yarn.**

Winding machine to take up a plurality of textile threads or yarns being unwound parallel at the same time from one or more packaging supports, the winding machine being positioned advantageously downstream of apparatuses which process the plurality of parallel threads or yarns, and comprising a headstock (11) to load and unwind the packaging support or supports of the plurality of threads or yarns (13), the supports advantageously being beams (12), the machine comprising also a support structure (16) for a plurality of take-up heads (17) included in a number coordinated with the number of

threads or yarns (13) to be wound, the support structure (16) comprising modular assemblies (20) of take-up heads (17) arranged one after another, each modular assembly (20) including at its entry separation means (19-20) to separate individually a number of threads or yarns (13) equal to the number of take-up heads (17) included in the respective modular assembly (20), the plurality of threads or yarns (13) being separated individually at the exit (14) from the headstock (11) and at least at the entry (19) of the first modular assembly (20) of the support structure (16).



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## EUROPEAN SEARCH REPORT

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**EP 90 12 0158**

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.5)
X	DE-A-2 952 400 (BARMAG BARMER MASCHINENFABRIK AG) * page 7, line 12 - line 16 * * page 10, line 13 - page 13, line 7 *	1-8,10	B 65 H 54/00 B 65 H 54/70
X	US-A-1 685 390 (E. J. ABBOTT) * page 1, line 5 - line 67; figures *	1,9	
A	US-A-2 563 642 (E. COLOMBU; H. KARLEN) * column 2, line 39 - column 3, line 29 *	1,2,4,5,7	
A	US-A-3 765 988 (R.S. SCHAFFER; J.W. FITZGERALD, JR.) * column 6, line 37 - column 10, line 47 *	1,2,5-10	
A	US-A-4 157 793 (J.S. LUCIA) * figures *	1-5	
A	DE-A-3 819 885 (JOHN BROWN INC.)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 65 H
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		20 June 91	D HULSTER E.W.F.
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