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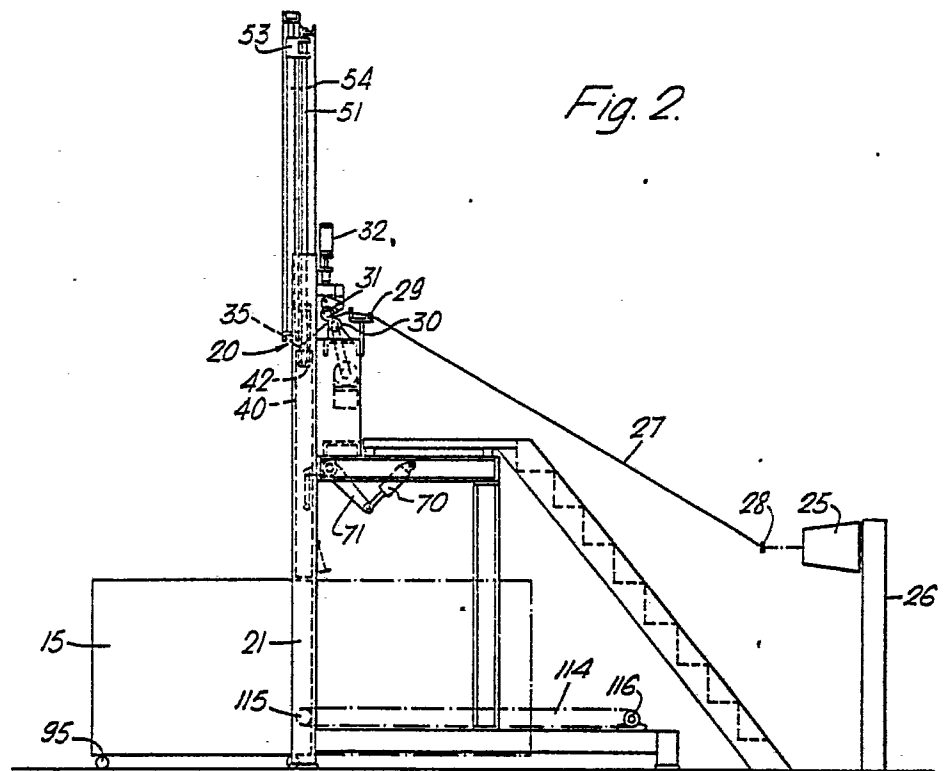
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(54) Production of patterned fabrics.

(57) A yarn supply creel for a textile machine for producing a patterned fabric has the yarn positions defined by vertically extending containers of rectangular section each of which contains the calculated length of yarn required for the respective position in the pattern. The containers are mounted in rectangular arrays in trolleys 15 which are supplied with the calculated quantities of yarn before installation in the creel. For this purpose each trolley 15 is indexed beneath a row of filling heads 20 so that each container 21 in its turn is brought into register beneath an upper filling container 40 to which the yarn is supplied. Each individual yarn 27 is drawn from a package 25 and passes between a pair of metering rollers 30, 31 which are computer-controlled so as to feed the calculated length of yarn to the respective container 21. From the rollers 30 and 31 the yarn passes downwardly through an air injector jet 35 which blows the yarn into the container 40 and compacts it at the bottom of this container. When the calculated quantity of yarn has been delivered, a ram 42 driven by an air motor 53 and guided by a rod 51 compacts the yarn against the bottom of the container 40. The bottom of the container 40 is then opened and the continuing stroke of the ram 42 forces

the yarn into the container 21. When all the containers 21 in a trolley 15 have been supplied with yarn in this way, the trolley is then transferred to the creel.





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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.4)
A	US-A-4 244 309 (SPANEL) * Column 1, lines 26-51; column 5, lines 28-41; column 5, line 59 - column 6, line 20; figure 2 *	1,3	D 03 D 39/02 D 04 B 35/22 D 03 J 1/00 D 05 C 15/00
A	FR-A-2 106 615 (ELITEX) * Page 4, line 38 - page 5, line 18; figures 1,2 *	1,3	
A	FR-A-2 339 012 (RUTI) * Page 3, lines 22-28; figure *	1,3	
A	FR-A-2 271 158 (NISSAN) * Page 14, line 8 - page 16, line 5; figures 1-3 *	1	
A	GB-A-1 421 621 (BRITISH CARPETS)		TECHNICAL FIELDS SEARCHED (Int. Cl.4) D 03 J D 03 D D 04 B D 05 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 05-12-1986	Examiner BOUTELEGIER C.H.H.
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 T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			