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(11) **EP 0 743 382 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
07.01.1998 Bulletin 1998/02

(51) Int. Cl.⁶: **D02H 1/00**, B65H 67/06

(43) Date of publication A2:
20.11.1996 Bulletin 1996/47

(21) Application number: **96107830.0**

(22) Date of filing: **16.05.1996**

(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

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(30) Priority: **18.05.1995 DK 56695**

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(54) **A plant and a method for supplying yarn to a loom**

(57) A plant (1) for supplying yarn to a loom (2) comprises a yarn rack (3). The loom (2) is supplied with yarn from yarn spools (5) in a number of carriers (4) arranged in a rail arrangement (9).

The yarn rack (3) comprises a feeding station (6) having first rail lengths (10) and a storage station (7) having corresponding second rail lengths (11). Replacement of carriers (4) is accomplished easily and fast by transfer of a row of carriers (4) via the rails from the first rail length (10) to an empty second rail length (11). Then carriers (4) with full yarn spools are transferred from a second rail length (11), which is also attached to said first rail length (10). As the storage station comprises at least two second rail lengths (11) corresponding to each rail length (10) in the feeding station, the risk of misplacing carriers is avoided. As the carriers are transferred in a ceiling rail arrangement, it is possible to obtain easy transfer of a whole row of carriers at the same time. Furthermore, the risk is avoided that carriers might overturn even if there are full yarn spools on only one side of the carrier (4).

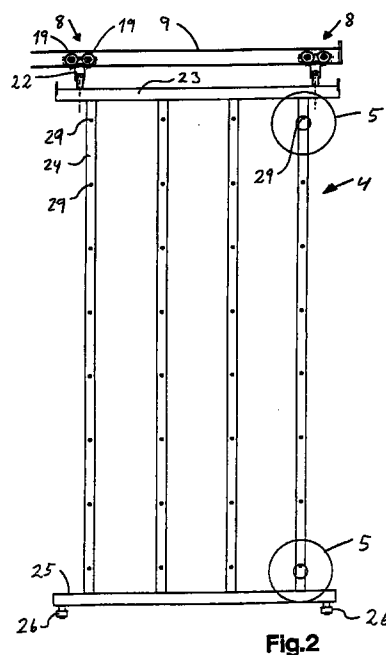


Fig.2

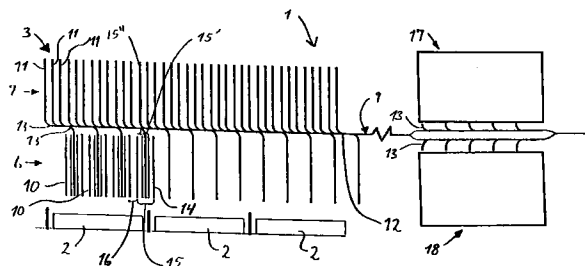


Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 96 10 7830

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.6)
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) D02H B65H
Place of search THE HAGUE		Date of completion of the search 30 October 1997	Examiner Boutelegier, C
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			

EPO FORM 1503 03 82 (P04C01)