



(19)

Europäisches Patentamt

European Patent Office

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(11)

EP 0 839 748 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
08.07.1998 Bulletin 1998/28

(51) Int. Cl.⁶: **B65H 67/04**

(43) Date of publication A2:
06.05.1998 Bulletin 1998/19

(21) Application number: **97117846.2**

(22) Date of filing: **15.10.1997**

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

Designated Extension States:
AL LT LV RO SI

(30) Priority: **31.10.1996 JP 290728/96**

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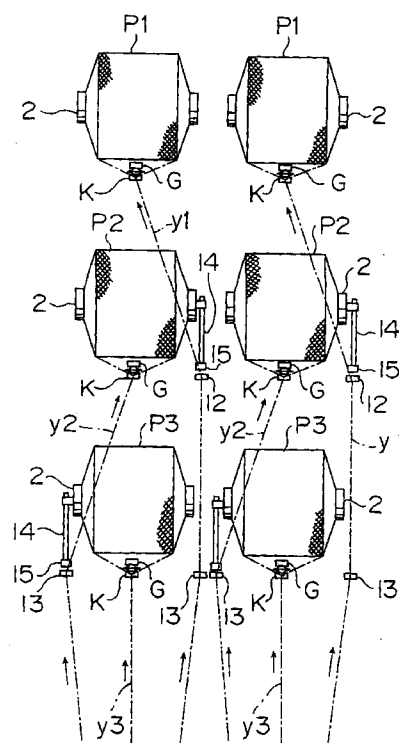
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(54) **Winder**

(57) The yarn winding on another package interferes with and makes picking of the winding package from the front difficult.

On a false twister positioned with three levels of winding spindles in the vertical direction adjacent to each other and of which the yarn path for supplying yarn to each of these winding spindles passes in the vertical direction in front of the winding spindles, a traverse fulcrum of each winding spindle is positioned above the winding package (P) of the lower level winding spindle in approximately the center of the width direction of the winding package, and in order to prevent interference with the picking path, is arranged with a yarn path alteration guide (15) that flexes the yarn path upstream from the traverse fulcrum guide (K). The yarn path alteration guide freely moves between the winding position and the picking position and is maintained alternatively in either position by a spring.

FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 97 11 7846

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)
X	US 5 107 668 A (P. DAMMANN) * column 2, line 25 - line 30 * * column 7, line 51 - column 8, line 48 * ---	1,2	B65H67/04
A	GB 1 399 891 A (BARMAG BARMER MASCHINENFABRIK AG) * page 3, line 79 - page 4, line 6 * ---	1,2	
A	US 4 561 602 A (H. SCHIPPERS; G. MÜNNEKEHOFF) * column 3, line 63 - column 4, line 35 * -----	1,2	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) B65H D02G
Place of search THE HAGUE		Date of completion of the search 29 April 1998	Examiner D'Hulster, E
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)