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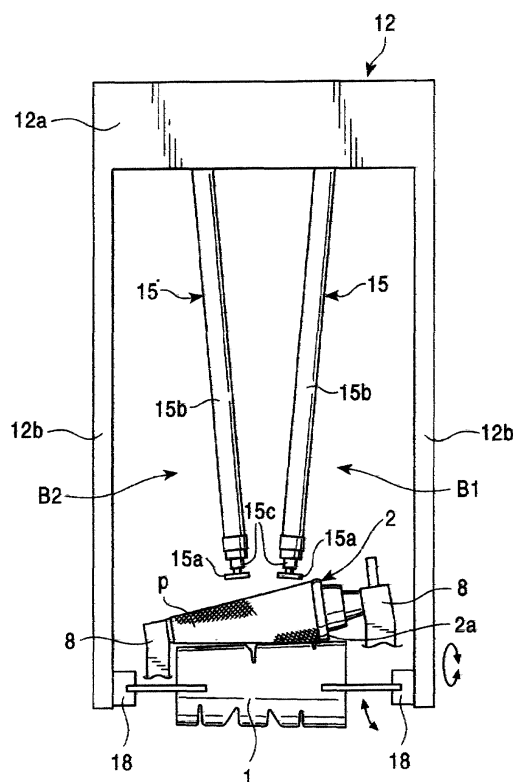
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(54) **Device for forming a start bunch in an automatic winder**

(57) The device comprises a pair of winding-start bunch formation devices (B1,B2) disposed therein for changing a position at which a winding-start bunch (y1) is formed depending on a direction in which a rewind yarn has been twisted, that is, whether the yarn has been subjected to S or Z twisting. The position of the bunch can be changed depending on whether the yarn has been twisted in the S or Z direction. Consequently, when the yarn is drawn out upward from a winding package formed by the automatic winder, the drawing-out can be carried out in the direction in which the yarn is untwisted. As a result, possible snarl or kink in the unwound yarn is restrained to enable the yarn to be unwound in the form of a well-defined balloon, thereby reducing the occurrence of yarn breakage.

**FIG. 2**





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# EUROPEAN SEARCH REPORT

Application Number  
EP 00 10 3092

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			B65H
Place of search		Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS		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	
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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