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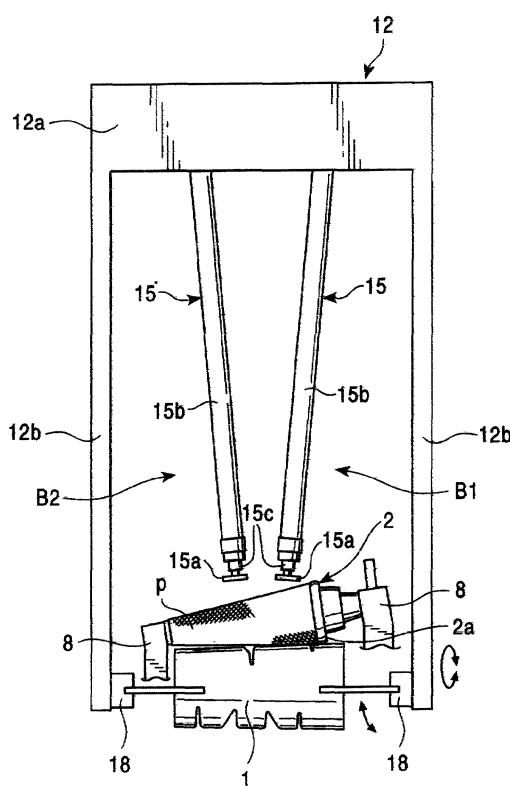
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(54) Device for forming a start bunch in an automatic winder

(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 rewound 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





DOCUMENTS CONSIDERED TO BE RELEVANT					
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)		
			B65H		
The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
BERLIN	7 May 2001	Fuchs, 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					

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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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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