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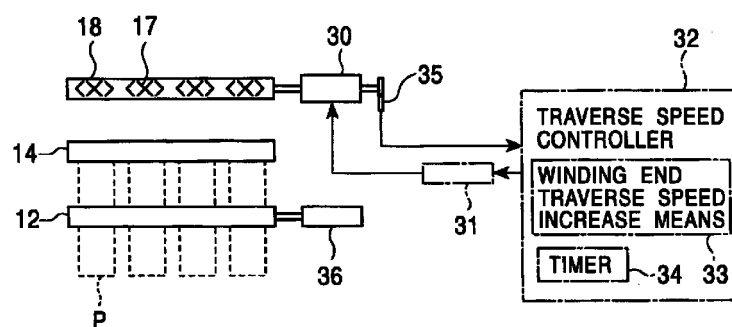
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(54) **Take-up winder**

(57) The present invention provides a take-up winder capable of preventing a yarn wound around an outer surface of a package from dropping from the end face of the package. According to the present invention,

the traverse width W of a yarn Y is reduced at a winding end period T_n for a package P .

FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 October 2000	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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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