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(54) **Yarn winding unit and yarn winding machine**

(57) A yarn winding unit (10) includes a winding section (18) that winds a yarn (20) around a winding tube (22) to form a package (30), and a control section (50) that controls the winding section (18). The winding section (18) includes a winding tube supporting section (23) that supports the winding tube (22), a contact roller (29) that rotates in contact with the winding tube (22) or the package (30), and a traversing device (70) that is arranged independently of the contact roller (29) and that traverses the yarn (20) that is to be wound around the winding tube (22). The control section (50) controls the winding section (18) such that the traversing speed of the traversing device (70) is maintained equal to or below a predetermined speed when the winding of the yarn (20) is started.

FIG.7A

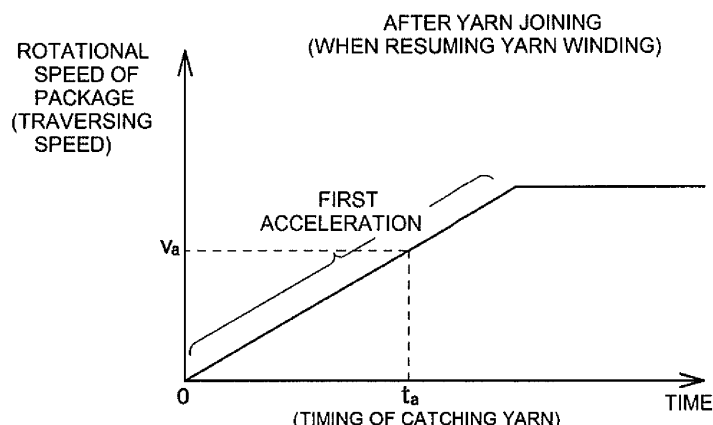
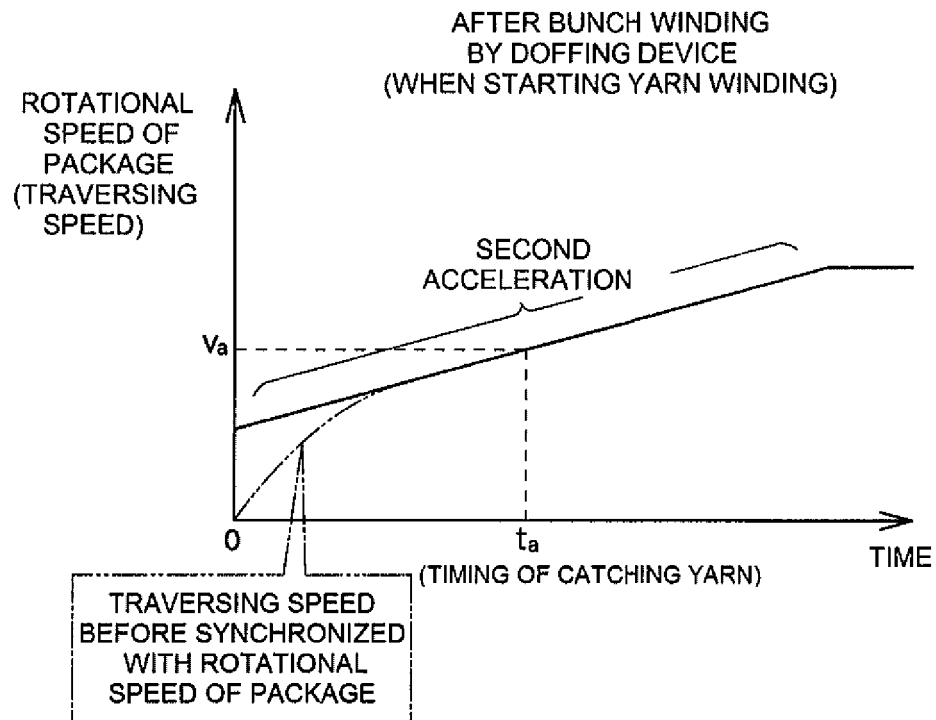


FIG.7B





EUROPEAN SEARCH REPORT

Application Number
EP 13 17 5465

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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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 21 July 2014	Examiner Lemmen, René
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
ON EUROPEAN PATENT APPLICATION NO.

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