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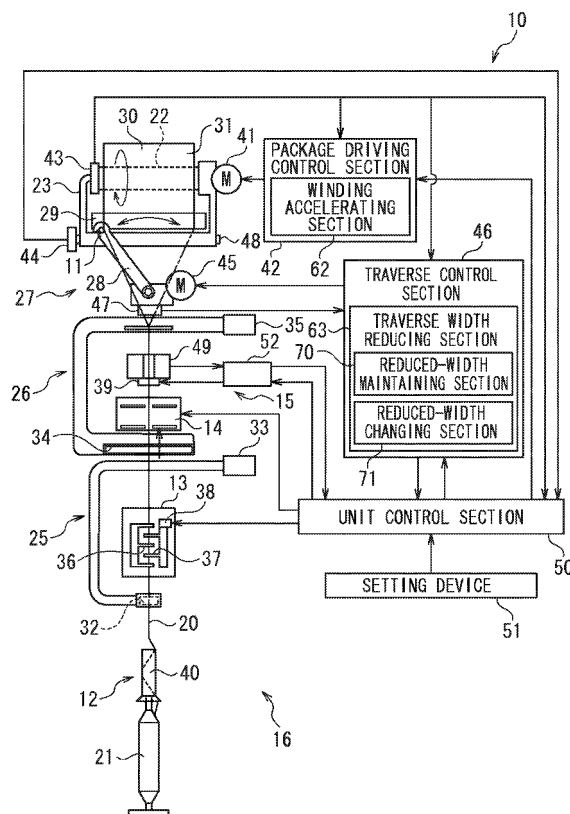
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(54) **Yarn Winding Device and Yarn Winding Method**

(57) An automatic winder includes a package driving motor (41) a traverse driving motor (45), and a traverse width reducing section (63). The traverse driving motor reciprocates a traverse guide (11) traversing a yarn (20) being wound around a winding bobbin (22) rotated by the package driving motor. The traverse width reducing section has a reduced-width constant mode and a reduced-width changing mode. In the reduced-width constant mode, the traverse width reducing section controls the traverse driving motor so that during the accelerating winding period, traversing is performed with a constant reduced traverse width that is smaller than a target traverse width based on an initial traverse width set via a setting device. In the reduced-width changing mode, the traverse width reducing section controls the traverse driving motor so that during the accelerating winding period, traversing is performed with a traverse width that increases continuously from the reduced traverse width as a winding speed increases. (Fig. 1)

FIGURE 1





EUROPEAN SEARCH REPORT

Application Number
EP 09 15 4191

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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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			B65H
Place of search		Date of completion of the search	Examiner
The Hague		30 August 2010	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
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EP 09 15 4191

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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30-08-2010

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