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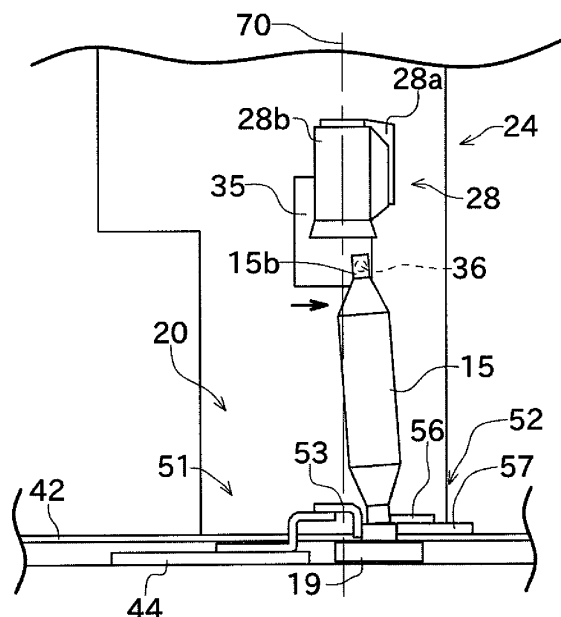
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(54) **Winding unit**

(57) A winding unit (11) includes a tray holder (51), a yarn-layer sensor (36), and a tray-position adjusting mechanism (58). The tray holder (51) holds a conveying tray (19). The yarn-layer sensor (36) detects a position of a yarn feeding bobbin (15) placed on the conveying

tray (19) and outputs a detection result. The tray-position adjusting mechanism (58) adjusts the position of the conveying tray (19) held by the tray holder (51) by operating the tray holder (51) based on the detection result output from the yarn-layer sensor (36).

FIG.11





EUROPEAN SEARCH REPORT

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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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Y	* column 10, line 16 - line 45 * * figures 11,14 *	2-11, 13-16, 18-20	
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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 30 September 2015	Examiner Guisan, Thierry
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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