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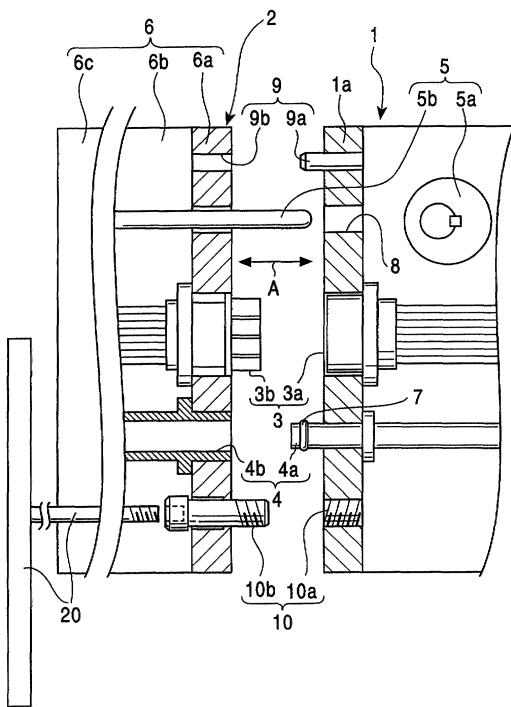
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## (54) Winding unit for automatic winder

(57) The present invention enables a winding unit for an automatic winder to be easily assembled and inspected for maintenance, the winding unit comprising a winding unit constituting device requiring power transmission as well as wiring, piping, or the like that uses connectors, and also enables the winding unit constituting device to be easily assembled. A winding unit 11 for an automatic winder comprising winding unit constituting devices 2 attached to a winding unit support main body 1, wherein the winding unit support main body 1 comprises one 3a, 4a of matching junction sections of a connector 3, 4 disposed at a predetermined position thereof and one 5a of matching nodes of a transmission mechanism 5 disposed at a predetermined position thereof and corresponding to a driving or driven node, the winding unit constituting devices 2 each comprise a plurality of constituent members 6b, 6c assembled together and including an attachment member 6a removably attached to the winding unit support main body 1 as well as the other junction section 3b, 4b of the connector 3, 4 disposed at a predetermined position thereof, and when the attachment member 6a of the winding unit constituting device 2 is attached to or removed from the winding unit support main body 1, the junction sections 3a, 3b (4a, 4b) of the connector 3, 4 are joined together or mutually separated, respectively and the nodes 5a, 5b of the transmission mechanism 5 are connected together or mutually separated, respectively.

FIG. 4





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	US 4 844 358 A (H. KAMP) 4 July 1989 (1989-07-04) * column 7, line 10 - line 30 * * column 8, line 29 - line 60 * * column 14, line 44 - column 15, line 41 * * column 15, line 54 - line 59 * * column 16, line 29 - line 34 * * column 19, line 3 - line 24 * * column 20, line 9 - line 30; claims 1,42 * -----	1-4	B65H54/70
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A	GB 1 228 633 A (ELITEX ZAVODY TEXTILNIHO STROJIRENSTVI) 15 April 1971 (1971-04-15) -----		<div style="border: 1px solid black; padding: 2px;">TECHNICAL FIELDS SEARCHED (Int.Cl.7)</div> <div style="border: 1px solid black; padding: 2px;">B65H</div>
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	25 April 2002	D'Hulster, E	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
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P : intermediate document	& : member of the same patent family, corresponding document		

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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