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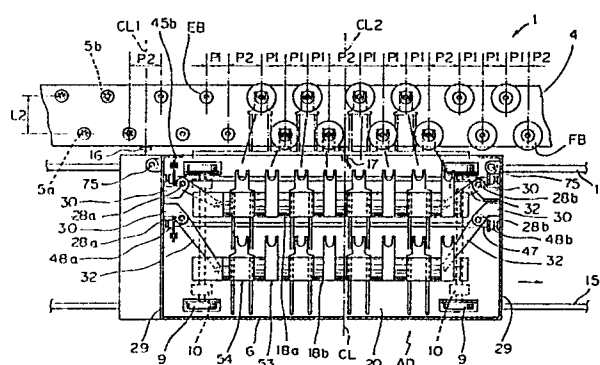
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54 **Method and apparatus for bobbin changing in roving frame.**

57 A method for changing bobbins of a roving frame to bobbin supporting members of a bobbin conveying device, and vice versa, and a bobbin changing machine for performing the method.

After full bobbins arranged in a zigzag arrangement are doffed from the roving frame by means of the bobbin changing machine (AD), distance between bobbins corresponding to distances between bobbin wheels of the roving frame, are changed to the distances between bobbins on the creel of a spinning frame, and vice versa, by means of a lateral distance changing device of the bobbin changing machine. Simultaneous with or after the previous process, the zigzag arrangement of the bobbins is aligned, and vice versa, by means of a front and back distance changing device of the bobbin changing machine.





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EUROPEAN SEARCH REPORT

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Application number

EP 84 81 0660

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	US-A-4 145 868 (SHIN-ICHI MORITA)		D 01 H 9/10
A	GB-A-2 089 379 (HOWA KOGYO K.K.)		
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			D 01 H B 65 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24-02-1987	Examiner HOEFER W.D.
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	