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EUROPEAN PATENT APPLICATION

21 Application number: **89106851.2**

51 Int. Cl.⁴: **B 65 H 54/26**

22 Date of filing: **04.05.84**

30 Priority: **20.05.83 GB 8313994**
15.12.83 GB 8333471

43 Date of publication of application:
30.08.89 Bulletin 89/35

84 Designated Contracting States:
AT BE CH DE FR IT LI NL

60 Publication number of the earlier application in
accordance with Art. 76 EPC: **0 126 352**

88 Date of deferred publication of search report:
20.12.89 Bulletin 89/51

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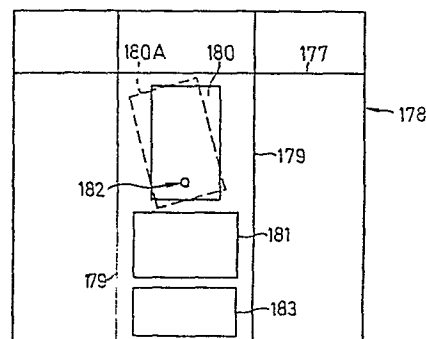
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54 **Bobbin inserting device.**

57 A bobbin inserting device for inserting a bobbin into the cradle mechanism (12) of an operating station in a yarn handling machine of the type described, said device comprising a carrier (32) and a bobbin gripper (30) mounted on the carrier member (32), the carrier (32) being movable to move the gripper (30) along a predetermined path (the "gripper path") characterised in that the gripper (30) is simultaneously adjustable in its disposition relative to the carrier (32).

Fig.10





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)
X	DE-A-2 947 901 (W. SCHLAFHORST & CO.) * Page 4, line 25 - page 6, line 20; page 8, line 26 - page 9, line 8 * ---	1,2	B 65 H 54/26
X	FR-A-2 101 958 (BARMAG BARMER MASCHINEFABRIK AG) * Pages 6-8; figure 1 * ---	1,2,4-6	
A	FR-A-2 422 746 (F. UND H. STAHLER) * * Pages 9-13; figures 1,5-6 * ---	1,2,4-6	
A	CH-A- 199 753 (MASCHINEFABRIK SCHWEITER AG) * Page 2, column 1, line 8 - column 2, line 18 * ---	3	
A	CH-A- 223 527 (HALSTENBACH & CO.) * Page 2, lines 15-54 * ---	3	
A	GB-A-1 411 362 (K.K. TOYODA JIDOSHOKKI SEISAKUSHO) * Page 4, lines 36-50; figures 5,7 * ---	3	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	CH-A- 555 290 (HEBERLEIN & CO. AG) ---		B 65 H
A	FR-A-2 353 661 (F. UND H. STAHLER) * ---		
A	GB-A-2 001 362 (ISHIKAWA SEISAKUSHO LTD) -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21-09-1989	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			