



Publication number:

0 391 770 A3

12

EUROPEAN PATENT APPLICATION

21 Application number: **90400837.2**

51 Int. Cl.⁵: **D03D 49/44, D03D 47/24**

22 Date of filing: **28.03.90**

30 Priority: **05.04.89 JP 86136/89**

43 Date of publication of application:
10.10.90 Bulletin 90/41

64 Designated Contracting States:
BE DE ES FR IT

68 Date of deferred publication of the search report:
24.04.91 Bulletin 91/17

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54 **Picking apparatus for a loom.**

57 A picking apparatus includes a sley (2) with a reed assembly (1) fixed thereon, a raceway (20) formed in the upper surface of the sley (2), a magnetic force-generating device (3) for generating a magnetic force which moves along the raceway (20), and a shuttle (4) which is attracted by the magnetic force so as to fly along the raceway (20). The sley (2) has a slot (22) formed therein along the raceway (20). The shuttle (4) has an engagement hole (41). The magnetic force-generating device (3) has an extendible and retractable gripping unit which can

retract into the engagement hole (41) of the shuttle (4) immediately after the completion of a picking motion. Therefore, the magnetic force-generating device (3) can attract and drive the shuttle (4) during the picking motion. It can be appreciated that the gripping unit can interlock the shuttle (4) and the magnetic force-generating device from the time of the completion of a picking motion until the time of the commencement of the next picking motion.

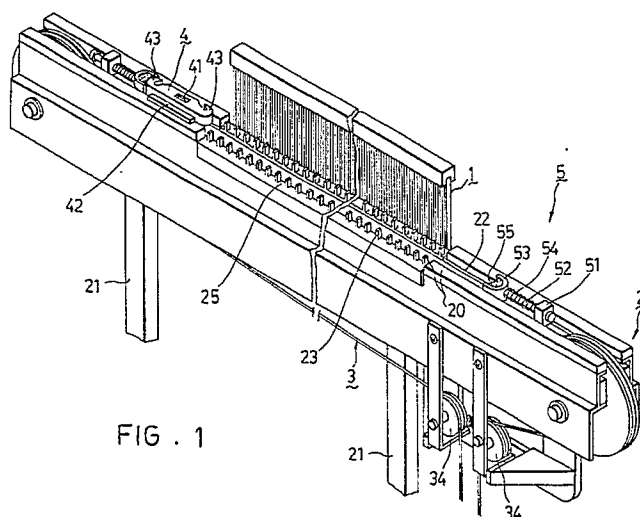


FIG. 1



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 40 0837

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.5)
P,X	US-A-4 901 768 (HUANG CHI-SHUANG) * Whole document * -- --	1-8	D 03 D 49/44 D 03 D 47/24
D,A	US-A-4 762 153 (WU-CHEN CHUANG) * Column 1, line 64 - column 2, line 40; figures 1,2 * -- --	1,4	
A	US-A-2 713 876 (JOHN RIDGWAY WALTON) * Column 4, lines 11-17,23-57; figure 4 * -- --	1-4,7	
A	GB-A-4 838 16 (GEORG EISSELT) * Figures 7-11 * -- --	3	
A	GB-A-6 156 95 (JAMES MANNING) * Figure 3 * -- --	5	
A	FR-A-2 264 112 (ATELIERS DE CONSTRUCTION DE RUTI S.A.) * Figure 1 * -- --	8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D 03 D
Place of search		Date of completion of search	Examiner
The Hague		29 January 91	HENNINGSEN O.P.
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date	
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