



(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
02.06.1999 Bulletin 1999/22

(51) Int. Cl.<sup>6</sup>: D04B 15/78

(43) Date of publication A2:  
01.07.1998 Bulletin 1998/27

(21) Application number: 97305169.1

(22) Date of filing: 14.07.1997

(84) Designated Contracting States:  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
NL PT SE

- Hashihiro, Shinji  
Kobe, Hyogo 658 (JP)
- Shibata, Takao  
Osaka 569 (JP)

(30) Priority: 23.12.1996 US 771519

(71) Applicant:  
PRECISION FUKUHARA WORKS, LTD  
Kobe, Hyogo 658 (JP)

(74) Representative:  
Warren, Keith Stanley et al  
BARON & WARREN  
18 South End  
Kensington  
London W8 5BU (GB)

(72) Inventors:  
• Yorisue, Shozo  
Kobe, Hyogo 657 (JP)

(54) Circular knitting machine with jacquard pattern control mechanism

(57) A circular knitting machine and a jacquard pattern control mechanism therefor is provided in which knitting instrumentalities (27) slidably mounted in grooves in a rotating member, such as a needle cylinder, sinker cap or dial, are controlled by a rocker bar supporting member (40) slidably mounted in each groove behind the knitting instrumentality (27), the rocker bar supporting member (40) has at least one butt (41a) thereon and a rocker bar (44) pivotally mounted on the rocker bar supporting member and having magnetically attractable sections (44f, 44a) at opposite ends thereof. A magnetic attraction device (50) selectively attracts the magnetically attractable sections of the rocker bar to pivot the rocker bar to control the selection of knitting instrumentalities (27) to be moved from inactive to active positions, and a cam system (31, 32, 35, 46, 48) for moving the rocker bar supporting member (40) and selected knitting instrumentalities.

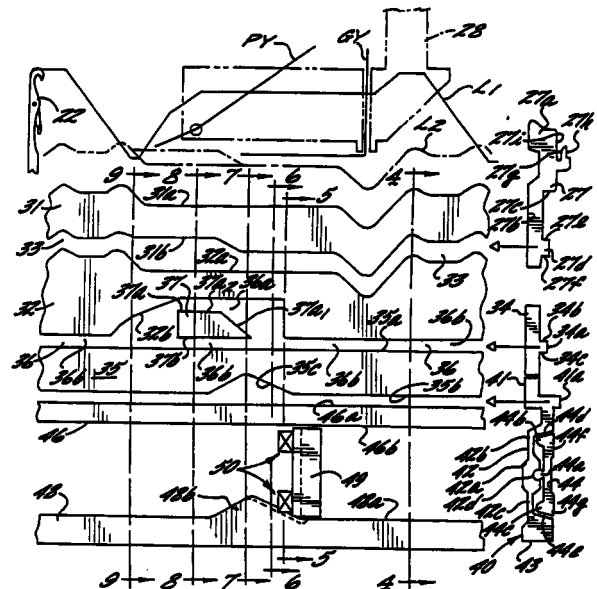


Fig. 1.

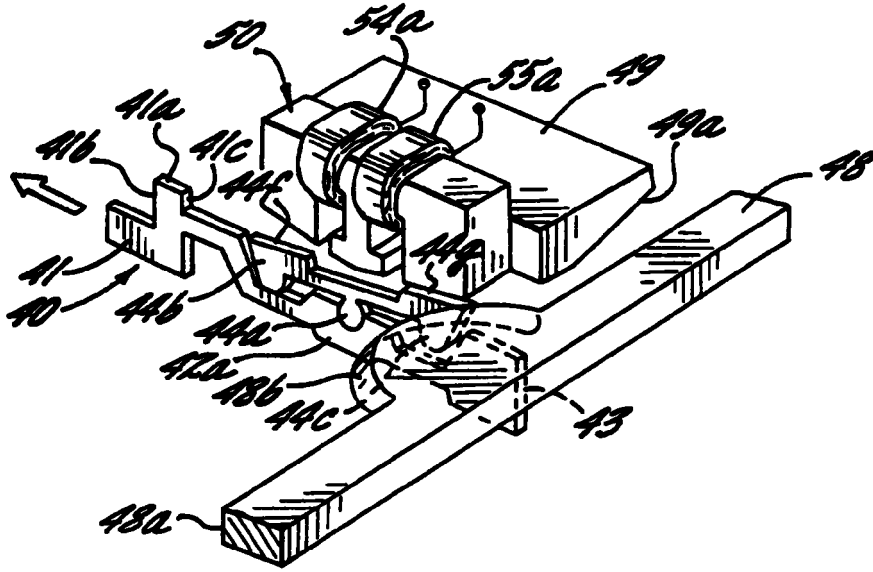


Fig. 2.



European Patent  
Office

EUROPEAN SEARCH REPORT

Application Number  
EP 97 30 5169

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.6)
P, X	EP 0 752 490 A (PRECISION FUKUHARA WORKS, LTD.) 8 January 1997 * claims 1-13; figures 1-15 * ---	1-3, 5, 6, 10, 12-15	D04B15/78
A	EP 0 249 203 A (HEIKO SEISAKUSHO, LTD) 16 December 1987 ---		
A	FR 1 368 366 A (BEGUIN ET AL) 2 December 1964 -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			D04B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		9 April 1999	Van Gelder, P
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	

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 30 5169

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.

09-04-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0752490 A	08-01-1997	JP 9021042 A	21-01-1997
		JP 9111621 A	28-04-1997
		CN 1141974 A	05-02-1997
		US 5689977 A	25-11-1997
		CN 1157864 A	27-08-1997
EP 0249203 A	16-12-1987	JP 1043054 B	18-09-1989
		JP 1562061 C	31-05-1990
		JP 62299554 A	26-12-1987
FR 1368366 A	02-12-1964	NONE	