



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 943 573 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
28.06.2000 Bulletin 2000/26

(51) Int. Cl.⁷: **B65H 65/00**, B65H 54/72,
B65H 57/00

(43) Date of publication A2:
22.09.1999 Bulletin 1999/38

(21) Application number: **99102879.6**

(22) Date of filing: **03.03.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Kitayama, Futoshi**
Ogura-cho, Uji-shi, Kyoto (JP)

(74) Representative:
Beetz & Partner
Patentanwälte
Steinsdorfstrasse 10
80538 München (DE)

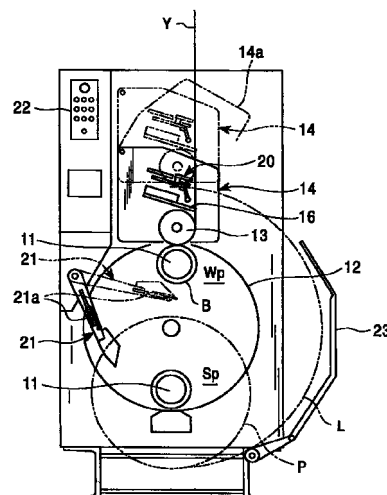
(30) Priority: **20.03.1998 JP 7206898**

(71) Applicant:
Murata Kikai Kabushiki Kaisha
Minami-ku, Kyoto-shi, Kyoto 601 (JP)

(54) **Filament yarn take-up winder**

(57) To provide a filament yarn take-up winder that facilitates threading and maintenance operations. The filament yarn take-up winder comprises a traverse device 16 for traversing a continuously supplied yarn Y, a bobbin B around which the yarn Y traversed by the traverse device 16 is wound, said bobbin B having a yarn engaging portion S outside the winding width, a bobbin holder 11 on which the bobbin B is installed and that rotates the bobbin B, a contact roller 13 for applying a predetermined pressure to the bobbin B, a yarn-removal guide 33 for changing the position of the yarn Y so as to leave the traverse device 16, a yarn-shifting guide 45 for moving to the yarn engaging portion S the yarn Y that has been changed by the yarn-removal guide 33, and a yarn-anchoring guide 44 for temporarily bearing the yarn Y that has been moved by the yarn-shifting guide 45, wherein the traverse device 16, the contact roller 13, the yarn-removal guide 33, the yarn-anchoring guide 44, and the yarn-shifting guide 45 are biased to one side of a yarn path for the yarn Y.

FIG. 1



EP 0 943 573 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 10 2879

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)
A	DE 42 03 196 A (BARMAG AG) 13 August 1992 (1992-08-13) * column 1, line 41 - column 3, line 41 * -----	1,2	B65H65/00 B65H54/72 B65H57/00
A	EP 0 374 536 A (BARMAG AG) 27 June 1990 (1990-06-27) * column 18, line 2 - column 21, line 33 * -----	1	
A	EP 0 072 908 A (NEUMÜNSTERSCHE MASCHINEN- UND APPARATEBAU GMBH) 2 March 1983 (1983-03-02) * page 2, line 18 - page 7, line 3 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B65H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 Apr11 2000	Examiner Goodall, C
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 1508 03.82 (P04C01)

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

EP 99 10 2879

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.

19-04-2000

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
DE 4203196	A	13-08-1992	NONE		
EP 0374536	A	27-06-1990	DE	3843202 A	04-10-1990
			DE	3909106 A	27-09-1990
			CN	1043679 A, B	11-07-1990
			DE	8916288 U	22-05-1997
			DE	58907348 D	05-05-1994
			ES	2050766 T	01-06-1994
			JP	2276771 A	13-11-1990
			JP	2693243 B	24-12-1997
			KR	9710909 B	02-07-1997
			RU	2037460 C	19-06-1995
			US	5029762 A	09-07-1991
EP 0072908	A	02-03-1983	DE	3132853 A	03-03-1983
			JP	1421398 C	29-01-1988
			JP	58095075 A	06-06-1983
			JP	62025584 B	03-06-1987
			US	4491282 A	01-01-1985