



(11) **EP 2 514 699 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**30.10.2013 Bulletin 2013/44**

(51) Int Cl.:  
**B65H 54/10** (2006.01) **B65H 54/38** (2006.01)

(43) Date of publication A2:  
**24.10.2012 Bulletin 2012/43**

(21) Application number: **12152617.2**

(22) Date of filing: **26.01.2012**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB  
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO  
PL PT RO RS SE SI SK SM TR**  
Designated Extension States:  
**BA ME**

(72) Inventor: **Muta, Katsufumi**  
**Kyoto, 612-8686 (JP)**

(74) Representative: **HOFFMANN EITLE**  
**Patent- und Rechtsanwälte**  
**Arabellastrasse 4**  
**81925 München (DE)**

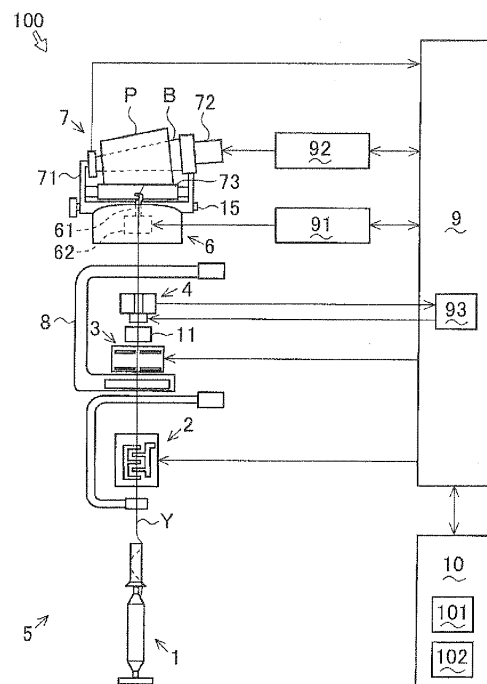
(30) Priority: **19.04.2011 JP 2011093316**

(71) Applicant: **Murata Machinery, Ltd.**  
**Minami-ku**  
**Kyoto-shi**  
**Kyoto 601-8326 (JP)**

(54) **Yarn winding machine**

(57) A yarn winding machine (100) adapted to form a conical package (P) by winding a yarn (Y), the yarn winding machine including a touch roller (73) adapted to rotate with the package (P) while making contact with an outer peripheral surface of the package (P); a traverse guide (61) adapted to traverse the yarn (Y) to be wound into the package (P); and a control section (91) adapted to control driving of the traverse guide (61); wherein the control section (91) controls the driving of the traverse guide (61) to prevent a driving point between the package (P) and the touch roller (73) from moving towards a smaller-diameter side of the package (P).

FIG. 1





## EUROPEAN SEARCH REPORT

Application Number  
EP 12 15 2617

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X,D	JP 2007 230708 A (MURATA MACHINERY LTD) 13 September 2007 (2007-09-13)	1,14	INV. B65H54/10 B65H54/38
A	* abstract *	7-13	
A	----- US 4 555 069 A (MAEDA YOSHIYASU [JP] ET AL) 26 November 1985 (1985-11-26) * column 5, lines 48-59 * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			B65H
Place of search		Date of completion of the search	Examiner
The Hague		25 September 2013	Pussemier, Bart
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>&amp; : member of the same patent family, corresponding document</p>			

1  
EPO FORM 1503 03/82 (F04C01)

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

EP 12 15 2617

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.

25-09-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2007230708 A	13-09-2007	NONE	
-----			
US 4555069 A	26-11-1985	CH 662104 A5	15-09-1987
		DE 3240484 A1	01-06-1983
		FR 2522634 A1	09-09-1983
		GB 2112029 A	13-07-1983
		GB 2157725 A	30-10-1985
		US 4555069 A	26-11-1985
-----			