



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
06.01.2010 Bulletin 2010/01

(51) Int Cl.:
D01H 11/00 (2006.01)

(43) Date of publication A2:
25.02.2009 Bulletin 2009/09

(21) Application number: **08012483.7**

(22) Date of filing: **10.07.2008**

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

(72) Inventor: **Inoue, Kei**
Kyoto-shi
Kyoto (JP)

(74) Representative: **Liedl, Christine et al**
Hansmann & Vogeser
Albert-Rosshaupter-Strasse 65
81369 München (DE)

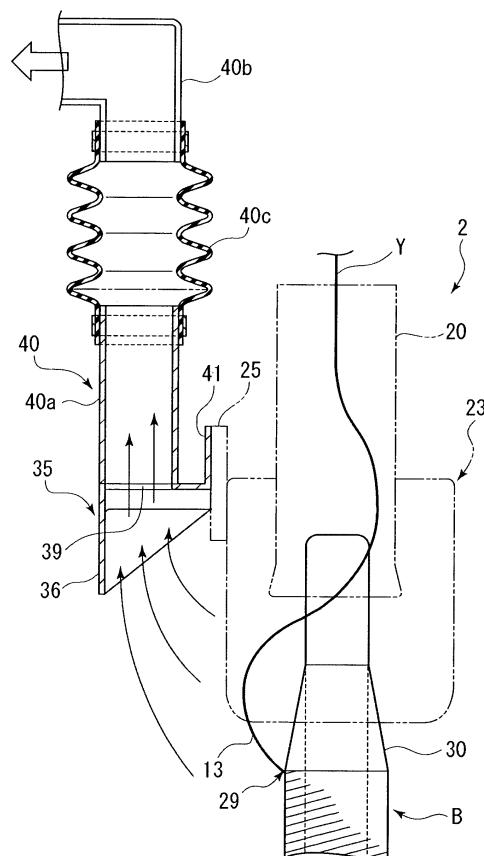
(30) Priority: **21.08.2007 JP 2007215302**

(71) Applicant: **Murata Machinery, Ltd.**
Kyoto 601 (JP)

(54) **Fiber dust collecting device**

(57) A fiber dust collecting device according to the present invention includes a suction nozzle 35 located away from a balloon guide 20 of an unwinding assisting device 2 and an elevating and lowering means 22. The fiber dust collecting device is configured such that the elevating and lowering means 22 displaces the suction nozzle 35 downward in conjunction with progress of the operation of unwinding a yarn from a supplying bobbin B so that a suction opening 42 of the suction nozzle 35 faces an unwinding position 29 on the supplying bobbin B and a balloon formation area in which an unwound yarn forms a balloon (Fig. 1).

FIGURE 1





EUROPEAN SEARCH REPORT

Application Number
EP 08 01 2483

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y,D	JP 05 139621 A (MURATA MACHINERY LTD) 8 June 1993 (1993-06-08) * abstract; figure 1 *	1-5	INV. D01H11/00 B65H54/70
Y	EP 0 487 119 A (SAVIO SPA [IT]) 27 May 1992 (1992-05-27) * column 4, lines 27-54; figure 2 *	1-5	
A	GB 959 969 A (HALL & KAY LTD) 3 June 1964 (1964-06-03) * page 2, lines 17-26; figure 2 *	1,5	
A	EP 0 662 441 A (SAVIO MACCHINE TESSILI SRL [IT] SAVIO MACCHINE TESSILI SPA [IT]) 12 July 1995 (1995-07-12) * abstract; figure 1 *	1	
E	EP 1 950 162 A (SAVIO MACCHINE TESSILI SPA [IT]) 30 July 2008 (2008-07-30) * paragraph [0009]; figure 1 *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			B65H D01H
Place of search		Date of completion of the search	Examiner
Munich		26 November 2009	Dreyer, Claude
<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 & : member of the same patent family, corresponding document</p>			

2
EPO FORM 1503 03.82 (P04C01)

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

EP 08 01 2483

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.

26-11-2009

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 5139621	A	08-06-1993	NONE	
EP 0487119	A	27-05-1992	IT 1246472 B	19-11-1994
GB 959969	A	03-06-1964	NONE	
EP 0662441	A	12-07-1995	CN 1120084 A	10-04-1996
			DE 69501898 D1	07-05-1998
			DE 69501898 T2	15-10-1998
			ES 2115312 T3	16-06-1998
			IT 1269702 B	15-04-1997
EP 1950162	A	30-07-2008	CN 101235565 A	06-08-2008