



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
13.05.2009 Bulletin 2009/20

(51) Int Cl.:
E06B 9/54 (2006.01) E06B 9/58 (2006.01)

(43) Date of publication A2:
02.04.2008 Bulletin 2008/14

(21) Application number: **07018475.9**

(22) Date of filing: **20.09.2007**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK RS

(72) Inventors:
• **Donatelli, Francesco**
74023 Grottaglie (TA) (IT)
• **Donateli, Samuele**
74023 Grottaglie (TA) (IT)
• **Motolese, Michele**
74023 Grottaglie (TA) (IT)

(30) Priority: **21.09.2006 IT TO20060670**

(74) Representative: **Lotti, Giorgio**
Corso Vittorio Emanuele II 61
10128 Torino (IT)

(54) **Roller screen device**

(57) Described herein is a roller screen device constituted by a fixed sectional element (10) and a mobile sectional element (11) that is able to move parallel to the fixed sectional element inside a frame contained in which is a screen (13), the mobile sectional element (11) bearing a roller (12) inside it, wound on which is the screen (13), which, at the other end, is anchored to the fixed sectional element (10). Guide elements (14 and 24) for guiding the mobile sectional element (11) are positioned at the top and at the bottom of the screen (13) and fixed at one end of their own to the mobile sectional element (11), whilst the other ends of the guide elements (14) slide into the fixed sectional element (10). Moreover provided is a system for tensioning the guides (14 and 24), which acts during the steps of opening and closing of the screen (13). The tensioning system consists of a thread (20), which extends starting from the end (21) of the top guide (14) that slides in the fixed sectional element (10) towards and around a bottom roller (22) and from here to the end (23) of the bottom guide (24), which slides in the fixed sectional element (10), to proceed to and around a top roller (25) and from here to the end (21) of the top guide (14) so closing to form a loop.

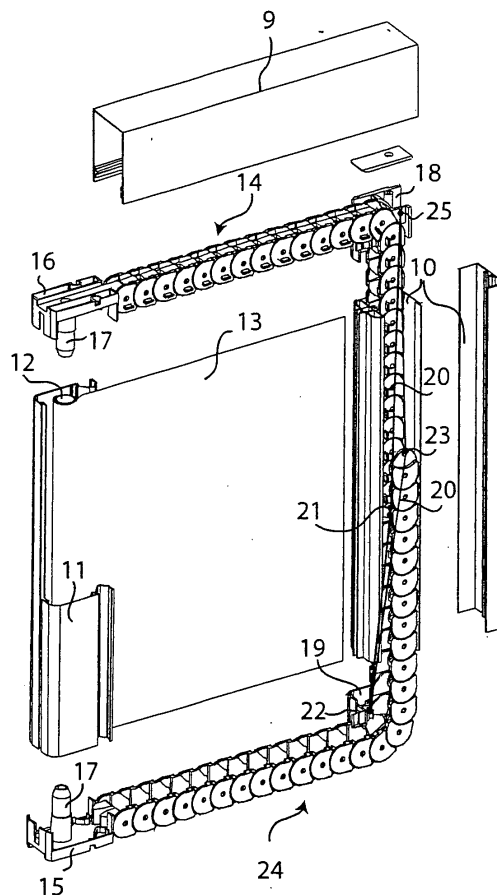


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 07 01 8475

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	EP 0 999 335 A (METACO INC [JP]) 10 May 2000 (2000-05-10)	1,3	INV.
Y	* paragraphs [0001] - [0006], [0027]; claims 1,6; figures 1-6 *	2,7	E06B9/54 E06B9/58
D,Y	EP 1 333 148 A (M V AVVOLGIBILI DI MONTANARO & [IT] MV LINE S R L [IT]) 6 August 2003 (2003-08-06) * abstract; figures 1,7A-7E,11 *	2,7	
A	EP 1 640 554 A (SEIKI HANBAI CO LTD [JP]) 29 March 2006 (2006-03-29) * paragraphs [0044] - [0057]; figures 9A,9B,10A,10B *	1-8	
			TECHNICAL FIELDS SEARCHED (IPC)
			E06B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 6 April 2009	Examiner Kofoed, Peter
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			

3
EPO FORM 1503 03.82 (P04C01)

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

EP 07 01 8475

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.

06-04-2009

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0999335	A	10-05-2000	DE	69900343 D1	15-11-2001
			DE	69900343 T2	07-08-2003
			ES	2164481 T3	16-02-2002
			US	6186212 B1	13-02-2001

EP 1333148	A	06-08-2003	AT	374303 T	15-10-2007
			DE	60316484 T2	03-07-2008
			ES	2294259 T3	01-04-2008

EP 1640554	A	29-03-2006	AU	2004242017 A1	02-12-2004
			CA	2524941 A1	02-12-2004
			CN	1791730 A	21-06-2006
			JP	4109573 B2	02-07-2008
			JP	2004346578 A	09-12-2004
			WO	2004104357 A1	02-12-2004
			KR	20060009940 A	01-02-2006
			TW	254766 B	11-05-2006
			US	2007039698 A1	22-02-2007
