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(54) A rolling mosquito net for frames provided with foldaway guides

(57) A rolling mosquito net for frames provided with foldaway guides, characterized in that it includes in combination: a mosquito net (12) that can be self-rolled into a suitable lateral, vertically disposed rolling-shutter box (1), and is provided with a stationary upper guide means (4) and a movable lower guide means (11) able to be folded away into a control bar handle (10) operated by the user during the mosquito net rolling step and to project outside of such control bar handle during the mosquito net unrolling step, thus ensuring a correct positioning of the unrolled mosquito net (12) and to reduce the overall dimensions of the guide means when the mosquito net is in its rolled position within box (1). Said foldaway guide means consists essentially of a chain (11) with an end hinged to a stationary support (7) integral with a housing seat (15) placed at the lower end of the box.

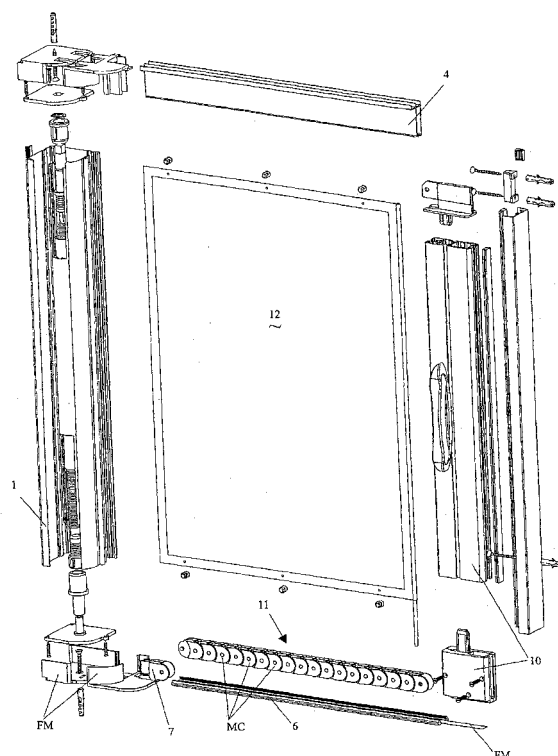


FIG. 11

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EUROPEAN SEARCH REPORT

Application Number
EP 03 42 5031

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.7)
X	EP 0 999 335 A (METACO INC) 10 May 2000 (2000-05-10) * paragraph [0010] * * paragraph [0016] * * paragraph [0024] - paragraph [0025] * * paragraph [0030] * * figures 1-4,9,11 *	1-3	E06B9/54 E06B9/58 E06B9/262
Y		4	
A		6,8,15	
Y	US 6 318 438 B1 (UNO AKIHIKO ET AL) 20 November 2001 (2001-11-20) * column 5, line 57 - line 65 * * figure 5F *	4	
A		7	
A	FR 2 602 539 A (HAYASHIGUCHI SEIZO) 12 February 1988 (1988-02-12) * page 3, line 5 - line 15 * * figure 5 *	5	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E06B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		13 April 2004	Geivaerts, D
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			

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☒ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
1-8,15-18,20-22
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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LACK OF UNITY OF INVENTION
SHEET B

Application Number
EP 03 42 5031

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1,2-8

A rolling mosquito net device with a mosquito net that slides in a hollow chain, thereby preventing that the mosquito net would be disengaged from the chain.

2. claims: 1,9

End supports for a spring roller that can be disengaged from the housing seats.

3. claims: 1,10-13

Bar handle and fitting section bar provided with magnets to seal the gap between said bar handle and fitting section or between two bar handles.

4. claims: 1-3,14,19

Specific shape and height of the lower section bar, in order to provide a free transit for wheelchairs.

5. claims: 1,15,16-18

Magnets inside the chain and a ferromagnetic strip inside the guide section bar to prevent a vertical movement of the chain.

6. claims: 1,15,20-22

A wedge shape locking member to lock the bar handle.

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

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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
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13-04-2004

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0999335	A	10-05-2000	JP	3403652 B2	06-05-2003
			JP	2000145314 A	26-05-2000
			JP	3323461 B2	09-09-2002
			JP	2001073655 A	21-03-2001
			DE	69900343 D1	15-11-2001
			DE	69900343 T2	07-08-2003
			EP	0999335 A1	10-05-2000
			ES	2164481 T3	16-02-2002
			US	6186212 B1	13-02-2001

US 6318438	B1	20-11-2001	NONE		

FR 2602539	A	12-02-1988	FR	2602539 A1	12-02-1988
			BE	905440 A1	16-01-1987
