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(54) **Reversible roller shutter**

(57) A roller shutter that is slid by means of traction wheels (2) that guide the slats along tracks (7). These tracks, through which the slats run, are located in the wheel mechanisms (16) mounted on both the left- and right-hand ends of the shutter.

This traction or slide system allows the shutter to be moved in two ways, by using the handle (4) that opens or closes a diverter (5). The first way enables it to move through slide track (7a) for ordinary use and the second way moves it through slide or usage track (7b) in order to clean the shutter.

This system allows both sides of the shutter to be cleaned easily, simply and safely from inside the building, without having to access the inside of the shutter casing or dismantle any of the components.

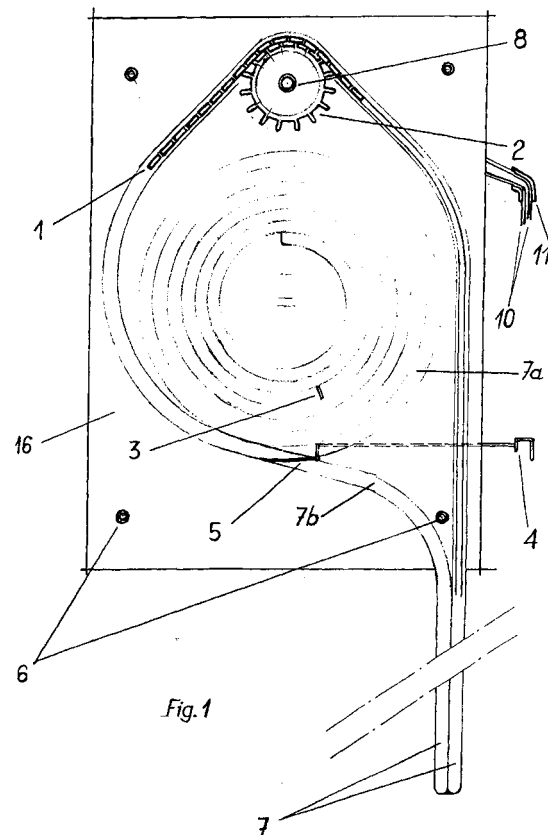


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 38 4002

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)
A	EP 0 780 538 A (LUJAN SANCHEZ FRANCISCO ;MARTIN GOMEZ EMILIANO (ES)) 25 June 1997 (1997-06-25) * column 3, line 31 - column 4, line 46 * ---	1	E06B9/58 E06B9/17
A	DE 28 54 928 A (RABATEL ALAIN) 28 June 1979 (1979-06-28) * figures 1,3,4 * ---	1	
A	FR 2 444 151 A (RABATEL ALAIN) 11 July 1980 (1980-07-11) * figures 8-12 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E06B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 7 October 2003	Examiner Baath, S
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 38 4002

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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07-10-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0780538	A	25-06-1997	ES	1030730 U1	16-09-1995
			ES	1033296 U1	01-08-1996
			AT	194206 T	15-07-2000
			AU	5111696 A	30-10-1996
			DE	69609044 D1	03-08-2000
			DE	69609044 T2	22-03-2001
			DK	780538 T3	30-10-2000
			EP	0780538 A1	25-06-1997
			GR	3034502 T3	29-12-2000
			US	5722476 A	03-03-1998
			WO	9632562 A1	17-10-1996
			PT	780538 T	29-12-2000
DE 2854928	A	28-06-1979	FR	2413534 A1	27-07-1979
			FR	2444151 A2	11-07-1980
			BE	873077 A1	27-06-1979
			CH	628393 A5	26-02-1982
			DE	2854928 A1	28-06-1979
			ES	476320 A1	16-10-1979
			GR	65636 A1	15-10-1980
FR 2444151	A	11-07-1980	IT	1102434 B	07-10-1985
			FR	2444151 A2	11-07-1980
			CH	628393 A5	26-02-1982
			DE	2854928 A1	28-06-1979
			ES	476320 A1	16-10-1979
			GR	65636 A1	15-10-1980
			IT	1102434 B	07-10-1985