



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 122 397 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
12.06.2002 Bulletin 2002/24

(51) Int Cl.7: **E06B 9/04**

(43) Date of publication A2:
08.08.2001 Bulletin 2001/32

(21) Application number: **01102390.0**

(22) Date of filing: **02.02.2001**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Paolucci, Franco**
47841 Cattolica (Rimini) (IT)

(74) Representative: **Negrini, Elena et al**
Agazzani & Associati S.r.l.
Via dell'Angelo Custode 11/6
40141 Bologna (IT)

(30) Priority: **04.02.2000 IT BO000050**

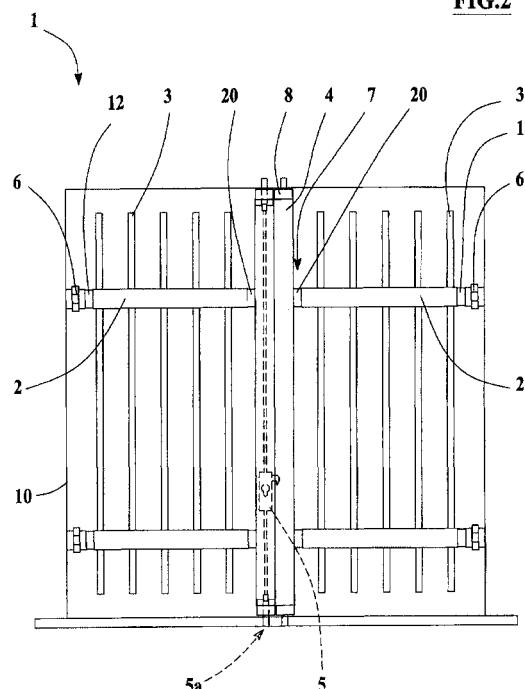
(71) Applicant: **Blindato Effepi S.r.l.**
47842 S.Giovanni in Marignano (RN) (IT)

(54) **Extensible grate for protecting the opening of windows and doors**

(57) An extensible grate with ledge for protecting the opening of windows and doors includes transversal bars (2), each of these latter supporting a plurality of vertical uprights (3), having at least an external upright (4), connected to an end of said grate and to which is associated a closing (5), provided with locking members (5a), and having at the remaining end at least a first hinge (6) fit for rotatably connecting the grate (1) to the opening (10) of the window or door.

The grate (1) includes both extension means (7) telescopically associated to each of the transversal bars (2) in such a way to adapt the width of the grate (1) to the opening (10) to be protected, and at least an extension element (8) telescopically associated to the peripheral upright (4) in such a way to adjust the width of the grate (1) to the opening (10) to be protected.

FIG.2





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 10 2390

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	US 5 657 809 A (LONGORIA JOSE ET AL) 19 August 1997 (1997-08-19)	1	E06B9/04
Y	* abstract; figure 1 *	11,12,15	
Y	US 5 307 858 A (TURNER JEAN A) 3 May 1994 (1994-05-03)	11,12,15	
A	* abstract; figure 1 *		
A	FR 2 760 039 A (G M S) 28 August 1998 (1998-08-28)	11	
A	* figure 8 *		
A	DE 261 328 C (WILD ADELHEID) * abstract; figure 1 *	1-15	
A	US 5 809 694 A (POSTANS MARK ANTHONY) 22 September 1998 (1998-09-22)	1-15	
	* column 2, line 54-58; figures 1,2 *		
			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 22 April 2002	Examiner Kofoed, P
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			

EPO FORM 1503 03 82 (P04C01)

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

EP 01 10 2390

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.

22-04-2002

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5657809	A	19-08-1997	NONE		
US 5307858	A	03-05-1994	NONE		
FR 2760039	A	28-08-1998	FR	2760039 A1	28-08-1998
DE 261328	C		NONE		
US 5809694	A	22-09-1998	AT	176713 T	15-02-1999
			AU	4950796 A	06-05-1996
			CA	2201933 A1	25-04-1996
			DE	69507825 D1	25-03-1999
			DE	69507825 T2	19-08-1999
			DK	786042 T3	20-09-1999
			EP	0786042 A1	30-07-1997
			ES	2130649 T3	01-07-1999
			WO	9612080 A1	25-04-1996
			GB	2294080 A , B	17-04-1996
			NO	971708 A	14-04-1997
			US	6253490 B1	03-07-2001