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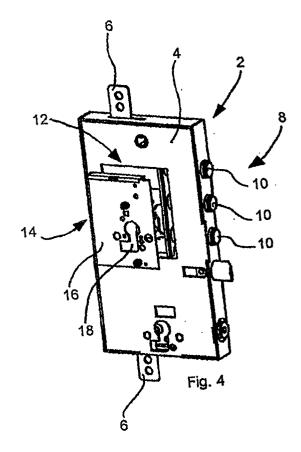
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(71) Applicant: DI. BI. Porte Blindate S.r.I. 61032 Fano (IT)

(72) Inventor: Delvecchio, Michele 61032 Fano (IT)

(74) Representative: Luppi, Luigi Luppi Crugnola Bergamini & Partners S.r.l. Viale Corassori, 54 41100 Modena (IT)

- (54) Locking means comprising a first component and a second component which is removably coupled to the first component
- (57) Locking means of frames includes a first component (2) suitable to be mounted on a door and provided with bolts (6, 10) designed to engage themselves in a releasable way to corresponding hollows obtained in a surface defining a space of a wall suitable to be closed by said door, and a second component (14) which can coupled in a removable manner to said first component (2) and provided with a slot (18) suitable to receive and fasten a cylinder lock nucleus (20) suitable to move said bolts (6,10). An alternative second component (14) is suitable to hold a double map (34) nucleus.





EUROPEAN SEARCH REPORT

Application Number EP 99 11 4341

	DOCUMENTS CONSIDERED	TO BE RELEVANT	• •	
Category	Citation of document with indication, of relevant passages	where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (int.C1.7)
X	EP 0 632 177 A (FICHET BA 4 January 1995 (1995-01-0 * figures 3-8 * * column 2, line 40 - line)4)	1-4,6-8	E05B9/00 E05B9/06 E05C9/00 E05B9/08 E05B63/00
(US 3 930 390 A (KELLER EF 6 January 1976 (1976-01-0 * figures 1A-1D *		1,5,7	203003/00
(DE 94 06 586 U (EMKA BESC 8 September 1994 (1994-09 * figures 1-3 *		1-3,5-8	
χ΄ ,	DE 25 30 080 A (JUL NIEDE 13 January 1977 (1977-01- * the whole document *		1,3,5,7,	
				TECHNICAL FIELDS SEARCHED (Int.Cl.7)
				E05B
				-
	The present search report has been drav	vn up for all claims		
	Place of search	Date of completion of the search		Examiner
	THE HAGUE	16 September 2	003 Bit	ton, A
X : part Y part docu A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another ument of the same category inological backgroundwritten disclosure	E : earlier paten after the filin D : document ci L : document cit	nciple underlying the t document, but publy g date led in the application ed for other reasons the same patent fami	lished on, or

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

EP 99 11 4341

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.

16-09-2003

Patent document cited in search report		Publication date		Patent family member(s)		Publication date	
EP	0632177	Α	04-01-1995	FR DE EP ES	69404233 0632177	A1 D1 A1 T3	20-01-1995 21-08-1997 04-01-1995 01-11-1997
US	3930390	A	06-01-1976	CH AT AT DE ES FR GB IT JP JP JP NL SE	2435833 205552 2242548 1477045 1019847 1460212 50050199 63005541	B A Al Y Al A B C A B C A	15-01-1976 12-04-1977 15-07-1976 13-03-1975 01-06-1976 28-03-1975 22-06-1977 30-11-1977 28-09-1988 06-05-1975 04-02-1988 04-03-1975 03-03-1975
DE	9406586	U	08-09-1994	DE	9406586	U1	08-09-1994
DE	2530080	A	13-01-1977	DE AT AT CH	338135	A1 B A A5	13-01-1977 25-07-1977 15-11-1976 31-05-1978

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82