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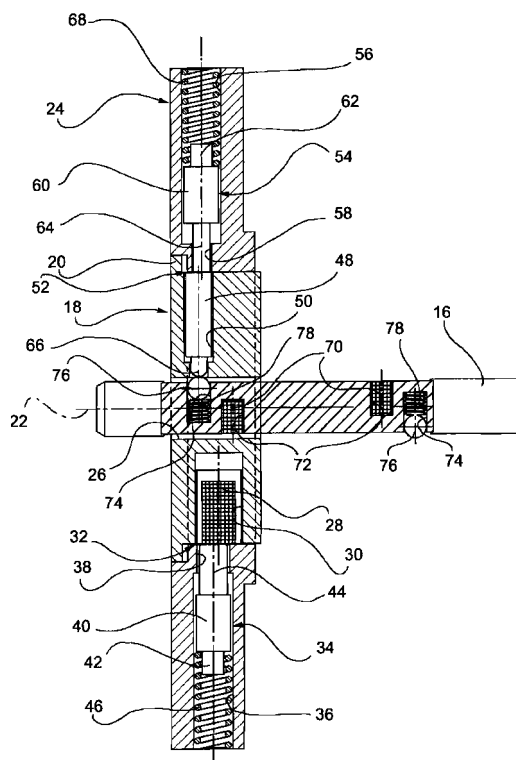
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(54) **Double-bit lock with mechanical and magnetic security system**

(57) The security lock comprises a boxlike body (10) within which is mounted a slidable carriage (12) associated with closing means (14) and a plurality of combination levers or plates which can be actuated by means of a double-bit key (16). The lock also comprises a member (18) mounted rotatably in a fixed element (24) and having a keyhole (26) for the insertion of the actuating end of the key (16), and first and second means of selectively blocking the rotation of the member (18) within the fixed element (24). These first and second blocking means are operated by operating means, magnetic and mechanical respectively, carried by the actuating end of the said key (16).

Fig. 9





EUROPEAN SEARCH REPORT

Application Number
EP 06 11 1912

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	EP 0 778 382 A (ITALIANA SERRATURE AFFINI [IT] ITALIANA SERRATURE COSTR [IT]) 11 June 1997 (1997-06-11) * the whole document *	1-9,12,13	INV. E05B35/14 E05B15/06 E05B47/00 E05B19/14
Y	EP 0 571 311 A (MONDRAGON METAL CERRAJERA [ES]) 24 November 1993 (1993-11-24) * the whole document *	1-9,12,13	
Y	FR 2 492 872 A (VACHETTE SA [FR]) 30 April 1982 (1982-04-30) * figure 6 *	5-9,12	
A	DE 343 291 C (PLANK C F) 31 October 1921 (1921-10-31) * the whole document *	1,13	
A	US 6 481 254 B1 (ZHENG YONG [CN] ET AL) 19 November 2002 (2002-11-19) * figures *	1-4,13	
A	DE 10 36 702 B (WILLIBALD KAMM DIPL ING) 14 August 1958 (1958-08-14) * figures *	1-4,13	TECHNICAL FIELDS SEARCHED (IPC) E05B
A	WO 00/57006 A (HAMAFTEAH HAMISTOVEV LTD [IL]; WIENBERGER YOAV [IL]) 28 September 2000 (2000-09-28) * figures *	5-13	
A	EP 1 355 023 A (CISA SPA [IT]) 22 October 2003 (2003-10-22) * figures *	5-13	
A	DE 35 17 660 A1 (TALLERES ESCORIAZA SA [ES]) 21 November 1985 (1985-11-21) * figures *	5-13	
		-/--	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 2 December 2008	Examiner Westin, Kenneth
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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EUROPEAN SEARCH REPORT

Application Number
EP 06 11 1912

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 0 029 498 A (DOM SICHERHEITSTECHNIK [DE]) 3 June 1981 (1981-06-03) * figures * -----	5-13	
			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 2 December 2008	Examiner Westin, Kenneth
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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EPO FORM 1503 03/02 (P04C01)

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ON EUROPEAN PATENT APPLICATION NO.**

EP 06 11 1912

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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02-12-2008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0778382 A	11-06-1997	ES 2147340 T3 GR 3034248 T3 IT B0950565 A1 PT 778382 T	01-09-2000 29-12-2000 04-06-1997 30-11-2000
EP 0571311 A	24-11-1993	NONE	
FR 2492872 A	30-04-1982	NONE	
DE 343291 C		NONE	
US 6481254 B1	19-11-2002	AU 3415400 A WO 0057008 A1 CN 2386132 Y	09-10-2000 28-09-2000 05-07-2000
DE 1036702 B	14-08-1958	NONE	
WO 0057006 A	28-09-2000	AU 3320400 A IL 129097 A	09-10-2000 23-05-2002
EP 1355023 A	22-10-2003	IT B020020213 A1	20-10-2003
DE 3517660 A1	21-11-1985	ES 8503771 A1 FR 2566038 A1 GB 2161204 A MX 162147 A	16-06-1985 20-12-1985 08-01-1986 01-04-1991
EP 0029498 A	03-06-1981	DE 2947402 A1 JP 1590330 C JP 2015714 B JP 56097073 A MX 152234 A US 4377082 A	27-05-1981 30-11-1990 12-04-1990 05-08-1981 12-06-1985 22-03-1983

EPO FORM P0458

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