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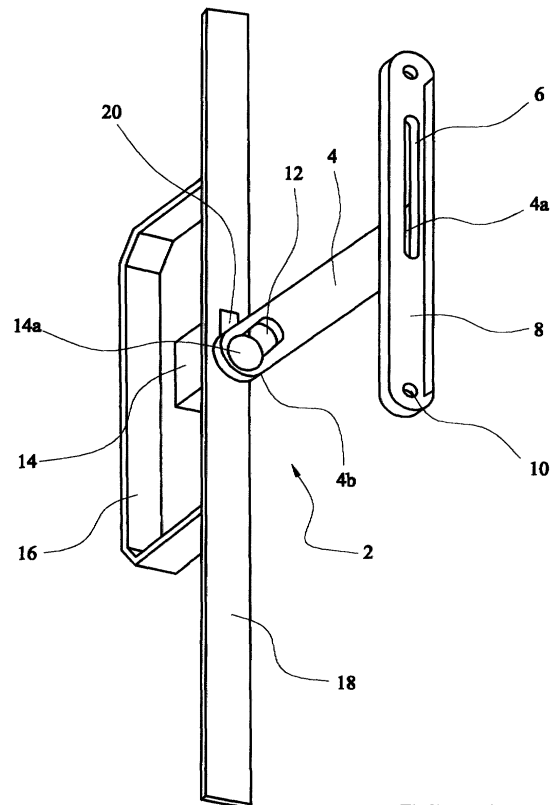
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(54) **Lock mechanism**

(57) The invention relates to lock mechanisms, particularly lock mechanisms comprising a drive bar. There is provided a lock mechanism (2) comprising a drive bar (18) which operates at least one latch and a locking means (14) operable to cooperate with said drive bar (18) such that movement of the drive bar (18) is prevented or suitably restricted. The lock mechanism (2) may be operated by remote means. The lock mechanism (2) may further comprise a safety lever (4) such that in use a door or window can only open to a limited extent.



**FIG. 1**



European Patent  
Office

EUROPEAN SEARCH REPORT

Application Number  
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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	FR 2 616 839 A (LAPERCHE SA) 23 December 1988 (1988-12-23)  * page 5, line 24 - page 6, line 35; figures 1-5 * ---	1-3, 8-18, 21-23	E05C9/00 E05B17/20 E05C17/16
X	GB 2 280 474 A (ACCENT GROUP LTD) 1 February 1995 (1995-02-01)  * page 4, line 13 - line 15 * * page 10, line 1 - line 22; figure * ---	1-4, 10-14, 17-23	
X	EP 0 173 987 A (HOERMANN KG FREISEN) 12 March 1986 (1986-03-12)  * page 9, line 22 - page 10, line 18; figure * ---	1-5, 10-14, 17-19, 21-23 6,7	
X	EP 0 408 784 A (GOLDSCHMIDT BAUBESCHLAEGE) 23 January 1991 (1991-01-23)  * the whole document * ---	1-3, 10-14, 18,20-23	TECHNICAL FIELDS SEARCHED (Int.Cl.7)  E05C
X	US 5 896 763 A (DINKELBORG ALFRED ET AL) 27 April 1999 (1999-04-27)	18,21-23	
A	* column 14, line 26 - column 15, line 53; figure 5 * ---	1,8	
Y	EP 0 388 379 A (LASINVAEST SVENSKA AB) 19 September 1990 (1990-09-19) * column 3, line 56 - column 4, line 5; figure 2 * -----	6,7	
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>15 February 2002</b>	Examiner <b>Pieracci, A</b>
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 00 31 1686

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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15-02-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2616839	A	23-12-1988	FR 2616839 A1	23-12-1988
GB 2280474	A	01-02-1995	NONE	
EP 0173987	A	12-03-1986	DE 3432981 A1	20-03-1986
			AT 45003 T	15-08-1989
			DE 3571852 D1	31-08-1989
			EP 0173987 A1	12-03-1986
EP 0408784	A	23-01-1991	EP 0408784 A1	23-01-1991
			AT 99765 T	15-01-1994
			DE 58906654 D1	17-02-1994
US 5896763	A	27-04-1999	DE 19522641 A1	02-01-1997
			AT 176709 T	15-02-1999
			AU 6359396 A	22-01-1997
			DE 59601300 D1	25-03-1999
			WO 9701014 A1	09-01-1997
			EP 0833997 A1	08-04-1998
EP 0388379	A	19-09-1990	SE 463678 B	07-01-1991
			AT 95877 T	15-10-1993
			DE 69003844 D1	18-11-1993
			DE 69003844 T2	03-02-1994
			EP 0388379 A1	19-09-1990
			FI 90274 B	30-09-1993
			NO 900595 A	13-08-1990
			SE 8900450 A	11-08-1990
			US 5009456 A	23-04-1991