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(62) Document number(s) of the earlier application(s) in
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(54) **Assembly of revolving cylinder lock and key**

(57) The invention relates to an assembly of revolving cylinder lock and key (10), whereby the lock consists, among others, of a cylinder stator (1) and a rotor (2) which is rotatable therein about the longitudinal axis of the cylinder stator (1) and of which the rotation in the locking position is prevented in the usual way by a series of radial locking pins, which due to the teeth of the key

may be released from their locking position, characterised in that, apart from above said locking pins, additional blocking means are provided, whereto above said key shows a rib (9) extending longitudinally, having such cross sections that the key (10), completely inserted into the stator, pushes said additional blocking means in the release position, thus enabling the rotation of the rotor in the stator.

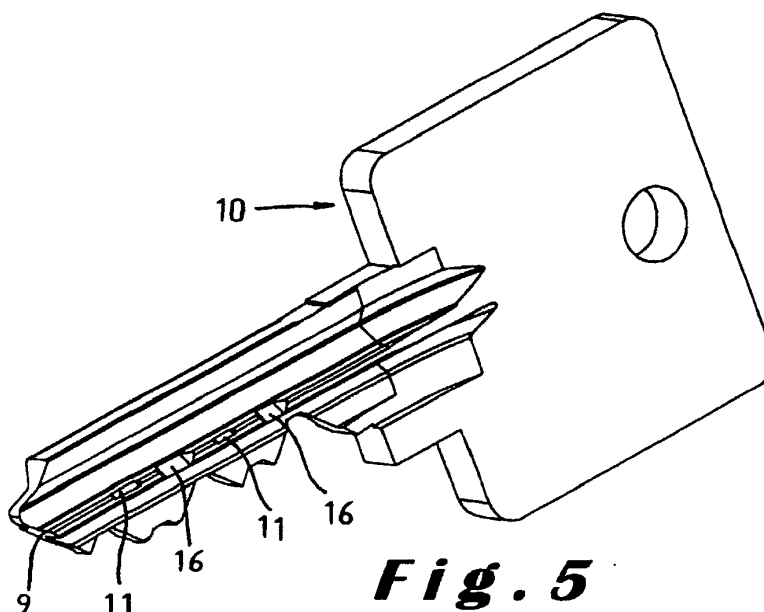


Fig. 5

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EUROPEAN SEARCH REPORT

Application Number
EP 02 01 3399

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	AT 396 501 B (EVVA WERKE) 25 October 1993 (1993-10-25) * figures *	9	E05B27/00
X	US 4 116 025 A (WOLTER HEINZ) 26 September 1978 (1978-09-26) * figures *	9	
A	US 5 050 412 A (ERRANI DEO) 24 September 1991 (1991-09-24) * the whole document *	1	
A	US 2 294 310 A (LARSON) 25 August 1942 (1942-08-25) * the whole document *	1,9	
A	DE 38 17 494 A (FA. WILHELM KARREBERG) 23 November 1989 (1989-11-23) * the whole document *	1,9	
A	EP 0 313 864 A (JUL. NIEDERDRENK KG) 3 May 1989 (1989-05-03) * the whole document *	1,9	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	FR 2 280 772 A (RHONE-ISERE) 27 February 1976 (1976-02-27) * the whole document *	1,9	E05B
A	DE 90 04 190 U (AUG. WINKHAUS GMBH & CO KG) 21 June 1990 (1990-06-21) * the whole document *	1,9	
A	FR 2 263 360 A (ZEISS IKON AKTIENGESELLSCHAFT) 3 October 1975 (1975-10-03) * the whole document *	1,9	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		16 October 2003	Westin, K
CATEGORY OF CITED DOCUMENTS			
<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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 01 3399

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16-10-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
AT 396501	B ₁	25-10-1993	AT 132591 A	15-01-1993
US 4116025	A	26-09-1978	DE 2658495 A1	29-06-1978
			AR 212492 A1	14-07-1978
			AT 352570 B	25-09-1979
			AT 917077 A	15-02-1979
			AU 511947 B2	11-09-1980
			AU 3104677 A	07-06-1979
			BR 7708590 A	15-08-1978
			CA 1072358 A1	26-02-1980
			CH 626680 A5	30-11-1981
			EG 13054 A	31-10-1980
			ES 465161 A1	01-10-1978
			FR 2375412 A1	21-07-1978
			GB 1571871 A	23-07-1980
			GR 64014 A1	18-01-1980
			HU 184621 B	28-09-1984
			IL 53529 A	30-04-1982
			IT 1091061 B	26-06-1985
			JP 1129472 C	24-12-1982
			JP 53079697 A	14-07-1978
			JP 57020469 B	28-04-1982
			MX 144865 A	27-11-1981
			NL 7713142 A ,B,	27-06-1978
			SE 425678 B	25-10-1982
			SE 7714235 A	24-06-1978
US 5050412	A	24-09-1991	NONE	
US 2294310	A	25-08-1942	US 2294308 A	25-08-1942
DE 3817494	A	23-11-1989	DE 3817494 A1	23-11-1989
EP 313864	A	03-05-1989	DE 3736129 A1	11-05-1989
			AT 86347 T	15-03-1993
			DE 3878824 D1	08-04-1993
			EP 0313864 A2	03-05-1989
			ES 2039541 T3	01-10-1993
			GR 3007221 T3	30-07-1993
FR 2280772	A	27-02-1976	FR 2280772 A1	27-02-1976
DE 9004190	U	21-06-1990	DE 9004190 U1	21-06-1990
			AT 96878 T	15-11-1993
			DE 59100546 D1	09-12-1993
			EP 0451779 A1	16-10-1991

EPO FORM P0459

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

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

EP 02 01 3399

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.

16-10-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 2263360 A	03-10-1975	DE 2411362 A1	18-09-1975
		AT 334770 B	10-02-1976
		AT 132175 A	15-05-1976
		BE 825261 A1	29-05-1975
		CH 575530 A5	14-05-1976
		DK 93875 A ,B,	10-09-1975
		FR 2263360 A1	03-10-1975
		IT 1033291 B	10-07-1979
		SE 410636 B	22-10-1979
		SE 7502509 A	10-09-1975
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