



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
09.04.2008 Bulletin 2008/15

(51) Int Cl.:
E05B 65/12 (2006.01) **E05B 9/00** (2006.01)
E05B 15/16 (2006.01)

(43) Date of publication A2:
09.11.2005 Bulletin 2005/45

(21) Application number: **05103190.4**

(22) Date of filing: **20.04.2005**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR LV MK YU

(72) Inventor: **Valeriani, Roberto**
50124, Firenze (IT)

(74) Representative: **Gervasi, Gemma**
Notarbartolo & Gervasi S.p.A.
Corso di Porta Vittoria, 9
20122 Milano (IT)

(30) Priority: **21.04.2004 IT FI20040093**

(71) Applicant: **Sistema S.r.l.**
50018 SCANDICCI (IT)

(54) **Pin for locks for auto vehicles**

(57) A particular type of pin placed inside a lock body for auto vehicles is described, manufactured of plastic

material with the aim of avoiding possible breakages of the production equipment used and of the part itself during moulding operations.

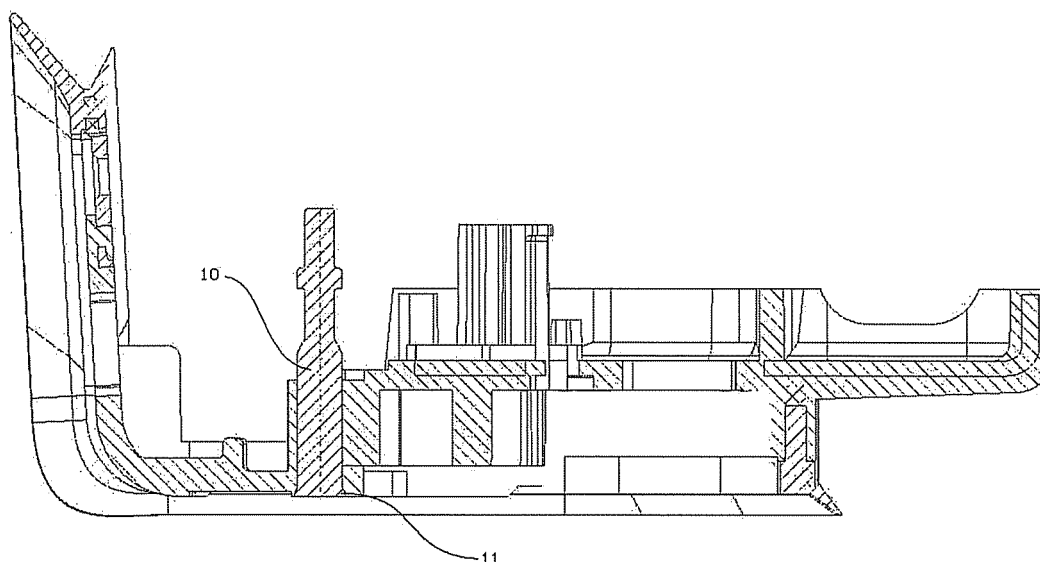


Fig. 3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 10 3190

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 5 582 449 A (BERND WEYERSTALL) 10 December 1996 (1996-12-10) * column 2, lines 8-10 * * column 3, lines 23-26; figures 1,2 *	1,2,7 8	INV. E05B65/12 E05B9/00 E05B15/16
X	EP 1 053 918 A (TICONA GMBH) 22 November 2000 (2000-11-22) * the whole document *	1,2,5-7	
X	DE 100 18 431 A1 (KIEKERT AG [DE]) 25 October 2001 (2001-10-25) * paragraph [0025]; figures 6-10 *	1-4,7	
X	DE 297 16 023 U1 (KIEKERT AG) 13 November 1997 (1997-11-13) * page 7, lines 13-30; figures 5,6 *	1,2,7	
A	DE 203 16 858 U1 (BRANO A S) 8 January 2004 (2004-01-08) * paragraph [0009]; figures 1,2 * * paragraphs [0019], [0020] *	8	
			TECHNICAL FIELDS SEARCHED (IPC)
			E05B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 February 2008	Examiner Cruyplant, Lieve
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			

4
EPO FORM 1503 03.82 (P04C01)

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

EP 05 10 3190

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.

29-02-2008

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5582449	A	10-12-1996	NONE	
EP 1053918	A	22-11-2000	DE 19921712 A1	23-11-2000
			DE 20009647 U1	19-10-2000
			JP 2001009860 A	16-01-2001
DE 10018431	A1	25-10-2001	NONE	
DE 29716023	U1	13-11-1997	BR 9803330 A	16-11-1999
			ES 2167122 A1	01-05-2002
			FR 2768168 A1	12-03-1999
			IT MI981664 A1	20-01-2000
DE 20316858	U1	08-01-2004	CZ 20023609 A3	16-06-2004