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(54) **Lock device with lock tongue**

(57) A lock device with lock tongue is disclosed. The lock device with lock tongue includes a base, a lock tongue rotatably disposed on the base, a braking member rotatably disposed on the base, a protecting tongue rotatably disposed on the base, and a first elastic member connected to the protecting tongue and the braking member. The braking member includes a resisting arm, the lock tongue includes a stopper portion, when the lock tongue is in a locked state, the protecting tongue is rotated to deform the first elastic member, and the first elastic member rotates the braking member, such that the resisting arm of the braking member resists the stopper portion to fix the lock tongue.

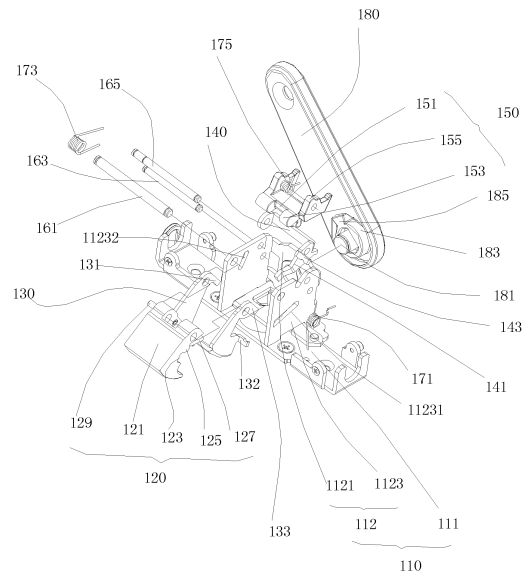


FIG. 1



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 (IPC)
Y	US 2009/107189 A1 (LIN) 30 April 2009 (2009-04-30)	1	INV. E05C3/16 E05B57/00
A	* the whole document * -----	2	
Y	US 2 742 310 A (RUSSELL) 17 April 1956 (1956-04-17) * column 3, lines 30-44; figures *	1	
A	US 4 796 931 A (HEID) 10 January 1989 (1989-01-10) * column 4, lines 41-46; figures *	1	
A	US 2004/183311 A1 (LIN) 23 September 2004 (2004-09-23) * figures 5-7 * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			E05B E05C
Place of search		Date of completion of the search	Examiner
The Hague		18 March 2014	Van Beurden, Jason
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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EPO FORM 1503 03.82 (P04C01)

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

EP 11 19 2314

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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18-03-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2009107189 A1	30-04-2009	NONE	
US 2742310 A	17-04-1956	NONE	
US 4796931 A	10-01-1989	AU 594625 B2	08-03-1990
		AU 2046788 A	09-02-1989
		CA 1324400 C	16-11-1993
		DE 3877667 D1	04-03-1993
		DE 3877667 T2	06-05-1993
		EP 0307088 A1	15-03-1989
		GB 2207950 A	15-02-1989
		HK 39491 A	31-05-1991
		HK 60493 A	02-07-1993
		JP H0711209 B2	08-02-1995
		JP S6466383 A	13-03-1989
		US 4796931 A	10-01-1989
US 2004183311 A1	23-09-2004	TW 572117 U	11-01-2004
		US 2004183311 A1	23-09-2004