(12)

Europäisches Patentamt

European Patent Office

Office européen des brevets



EP 0 963 714 A3

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 18.04.2001 Bulletin 2001/16

(51) Int. Cl.⁷: **A45C 13/24**, G08B 13/14

(11)

(43) Date of publication A2: 15.12.1999 Bulletin 1999/50

(21) Application number: 99105711.8

(22) Date of filing: 20.03.1999

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 12.06.1998 JP 16551398

(71) Applicant: Osame, Mitsuo Sakado, Saitama 350-0214 (JP) (72) Inventor: Osame, Mitsuo Sakado, Saitama 350-0214 (JP)

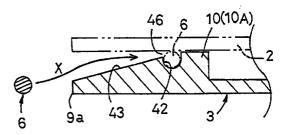
(74) Representative:

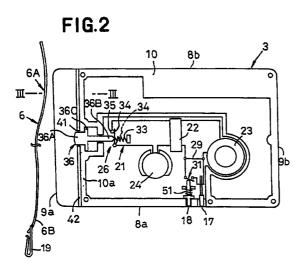
Meyer, Ludgerus A., Dipl.-Ing. Patentanwälte Meyer & Partner, Jungfernstieg 38 20354 Hamburg (DE)

(54) Alarm device

(57) An antitheft alarm device has an electric circuit 21 for generation of audible alarm and a supporting mechanism 42 for a flexible cord 6 formed between an upper and lower face plates 2, 3. The circuit 21 has a switch 26 comprising a stationary terminal 35 and a movable terminal 34 biased by a spring to be engaged with the stationary terminal 35. The flexible cord 6 detachably held by the mechanism 42 normally maintains the movable terminal 34 to be disengaged with the stationary terminal 35. After the cord 6 is detached, the movable terminal 34 engages with the stationary terminal 35 and consequently the audible alarm is generated.









EUROPEAN SEARCH REPORT

Application Number EP 99 10 5711

Category	Citation of document with in of relevant passa		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.6)	
Υ	US 5 396 219 A (CHE 7 March 1995 (1995-		1,4-7	A45C13/24 G08B13/14	
Α	* the whole document	; *	2,3		
Y	US 4 633 232 A (NELS 30 December 1986 (19 * abstract * * figure 9 * * column 5, line 53	·	1,4-7		
A	US 4 090 183 A (MILL 16 May 1978 (1978-05 * abstract * * figure 3 * * column 2, line 4 - * column 2, line 25	5-16) - line 12 *	1,6,7		
A	ES 285 167 U (ORTEGA 16 September 1985 (1 * page 2, line 1 - 1 * page 4, line 2 - 1	985-09-16) ine 22 *	1,6	TECHNICAL FIELDS	
	* page 4, 11he 2 - 1 * page 4, line 25 - * figures 2,3 *			SEARCHED (Int.Cl.6) A45C	
A	13 March 1990 (1990- * abstract * * figure 3 *	- column 3, line 14 * - line 53 *	1,6		
A	US 3 851 326 A (COST 26 November 1974 (19 * the whole document	74-11-26)	1,6		
	The present search report has be	en drawn up for all claims			
	Place of search	Date of completion of the search	L	Examiner	
	THE HAGUE	20 February 2001	Zet	zsche, B	
X : parti Y : parti docu A : tech	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with another ment of the same category nological background written disclosure	T: theory or principle E: earlier patent doc after the filing dat D: document cited in L: document cited fo	curnent, but public e n the application or other reasons	shed on, or	

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

EP 99 10 5711

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.

20-02-2001

	Patent document ed in search rep		Publication date	F	Patent family member(s)	Publication date
US	5396219	Α	07-03-1995	NONE		
US	4633232	Α	30-12-1986	WO	8706294 A	22-10-198
US	4090183	A	16-05-1978	NONE		
ES	285167	U	16-09-1985	NONE		<u> </u>
US	4908607	Α	13-03-1990	CA	2009889 A,C	23-08-199
US	3851326	Α	26-11-1974	NONE		

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