11 Publication number:

**0 147 837** A3

12

## **EUROPEAN PATENT APPLICATION**

- 21) Application number: 84116154.0
- 2 Date of filing: 21.12.84

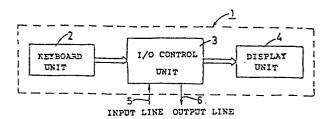
(5) Int. Cl.4: **G 07 C 9/00**, G 07 F 7/10, G 06 F 1/00, E 05 B 49/00

30 Priority: 21.12.83 JP 242954/83

- Applicant: OMRON TATEISI ELECTRONICS CO., 10, Tsuchido-cho Hanazono Ukyo-ku, Kyoto 616 (JP)
- Date of publication of application: 10.07.85
   Bulletin 85/28
- Designated Contracting States: AT BE CH DE FR GB IT LI
  LU NL SE
- Inventor: Kimizu, Ryuichi c/o Omron Tateisi Electr.Co., (Patent Dep.) 20, Igadera Shimo-Kaiinji, Nagaokakyo-Shi Kyoto (JP)

® Date of deferred publication of search report: 19.08.87 Bulletin 87/34

- (74) Representative: WILHELMS, KILIAN & PARTNER Patentanwälte, Eduard-Schmid-Strasse 2, D-8000 München 90 (DE)
- Password number inputting device with variable key reassignment.
- A plurality of means for inputting digits of a password number are adapted to be manually operated. A means is provided for displaying the mapping between each of the plurality of digit inputting means and the digit which it currently represents and inputs when actuated, and also there is provided a means for altering this mapping. The altering means alters the mapping between the digit inputting means and the digits which they represents and input when actuated, every time a password number is inputted. Thereby, if an evilly intentioned person should watch a user actuating the digit inputting means, he will not be able to discern the user's password number by observing his finger movements. Optionally, a means is provided for restricting the visibility of the means for displaying the mapping between each of the plurality of digit inputting means and the digit which it currently represents to within a relatively narrow solid angle, so as to make peeking more difficult.



EP 0 147 837 A3



EPO Form 1503 03.82

## **EUROPEAN SEARCH REPORT**

Application number

EP 84 11 6154

DOCUMENTS CONSIDERED TO BE RELEVANT					_	
Category	Citation of document with indication, who of relevant passages		appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)	
х	US-A-4 333 090 * Column 2, 1 5, lines 12-29; 6-34; column 8, line 35; fig	ines 35-53; column 6, 7, line 9 -	lines	1-5	G 07 C G 07 F G 06 F E 05 B	7/10 1/00
х	WO-A-8 102 349 * Page 2, line 6; page 7, line 29; figures 1,2	16 <b>–</b> page 3 22 <b>–</b> page	, line	1,3,5		
A				4		
		<b></b>				
				ŀ	TECHNICA	
				İ	SEARCHED	(Int. Cl.4)
					G 07 C G 07 F G 06 F	
			·			
	The present search report has b	een drawn up for all clai	ms			
Place of search Date of completion of the search					Examiner	
		09-06-		RAHNER		
Y : part doc A : tech O : non	CATEGORY OF CITED DOCU ticularly relevant if taken alone ticularly relevant if combined w ument of the same category nnological background -written disclosure rmediate document		T: theory or pri E: earlier paten after the filin D: document ci L: document ci	t document, b g date ted in the app ted for other r	out published or lication reasons	n, or