

12

## EUROPEAN PATENT APPLICATION

21 Application number: **89115190.4**

51 Int. Cl.<sup>5</sup>: **G07G 1/12**

22 Date of filing: **17.08.89**

30 Priority: **19.08.88 JP 206542/88**

43 Date of publication of application:  
**28.02.90 Bulletin 90/09**

84 Designated Contracting States:  
**AT BE CH DE ES FR GB GR IT LI NL SE**

88 Date of deferred publication of the search report:  
**14.11.90 Bulletin 90/46**

71 Applicant: **OMRON TATEISI ELECTRONICS CO.**  
**10, Tsuchido-cho Hanazono Ukyo-ku**  
**Kyoto-shi Kyoto-fu(JP)**

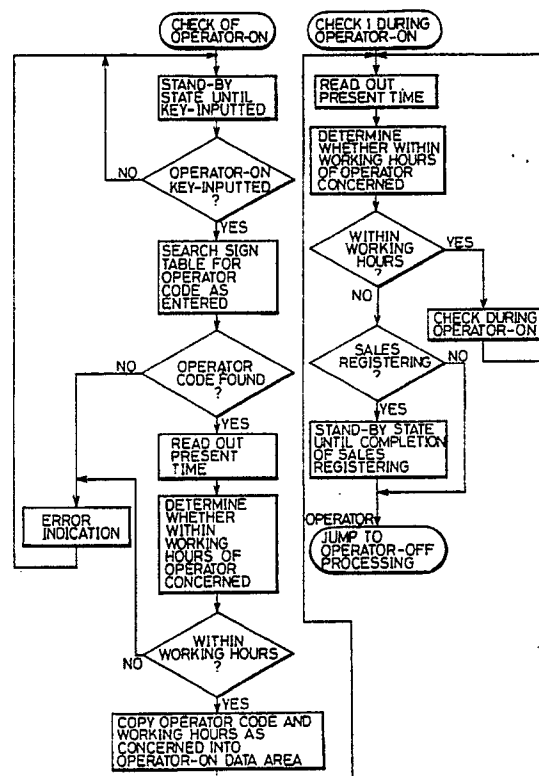
72 Inventor: **Ooyama, Masaki Patent Center**  
**OMRON TATEISI ELEC. CO. 20, Igadera**  
**Shimokaiinji**  
**Nagaokakyo-shi Kyoto 617(JP)**

74 Representative: **WILHELMS, KILIAN & PARTNER** Patentanwälte  
**Eduard-Schmid-Strasse 2**  
**D-8000 München 90(DE)**

54 **Electronic cash register.**

57 An electronic cash register comprises a RAM (5) for storing code and working hours of each operator. When an operator code is entered by a ten-key (21) and then a CAS key (26) is operated, a CPU (1) determines whether the entered operator code has been registered in the RAM or not, and if registered, it further determines whether the present time outputted from a timer circuit (3) represents data within the operator's working hours stored in the RAM, and if within the working hours, it allows registering of data concerning commodities, and if outside the working hours, it inhibits registering. Accordingly, even if anyone other than the operator knows the code of the operator, iniquitous operation of the ECR can be prevented outside the working hours.

FIG.1A





EP 89 11 5190

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.5)
X	PATENT ABSTRACTS OF JAPAN vol. 4, no. 31 (P-2)(513) 18 March 1980, & JP-A-55 3016 (TOKYO DENKI K.K.) 10 January 1980, * the whole document *	1	G07G1/12
A	EP-A-233652 (OMRON TATESI ELECTRONICS CO.) * the whole document *	1-4	
A	IBM TECHNICAL DISCLOSURE BULLETIN. vol. 16, no. 7, December 1973, NEW YORK US pages 2354 - 2355; R.J. PREISS: "Self-modifying Lockword for One-Time Use Instruction" * the whole document *	1, 2	
A	GB-A-1332917 (H.O. BOEHME CORP.) * page 1, line 72 - page 2, line 38 *	1	
A	PATENT ABSTRACTS OF JAPAN vol. 7, no. 262 (P-238)(1407) 22 November 1983, & JP-A-58 144966 (TATEISHI DENKI K.K.) 29 August 1983, * the whole document *	3, 4	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	PATENT ABSTRACTS OF JAPAN vol. 7, no. 198 (P-220)(1343) 02 September 1983, & JP-A-58 96368 (TATEISHI DENKI K.K.) 08 June 1983, * the whole document *	1	G07G G06F G07C E05B
A	EP-A-275120 (OMRON TATEISI ELECTRONICS)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 SEPTEMBER 1990	Examiner GUIVOL O.
<b>CATEGORY OF CITED DOCUMENTS</b> 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			