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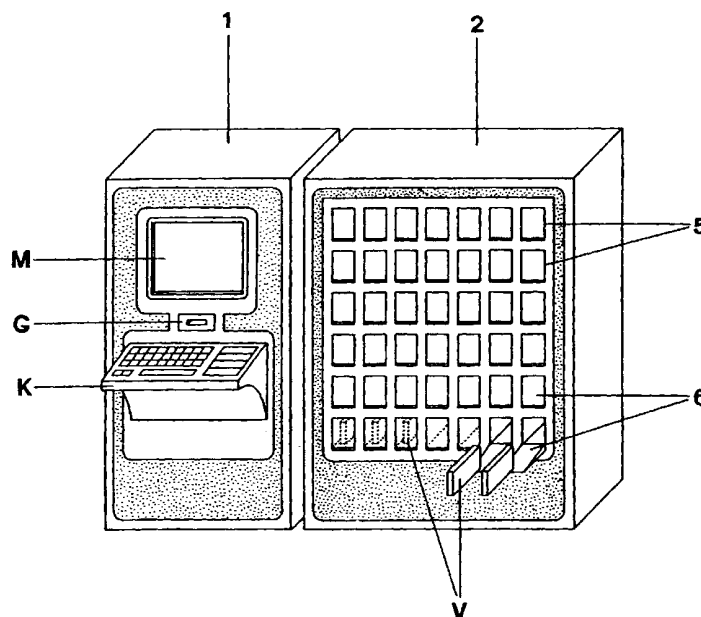
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- (71) Applicant and (72) Inventor: ORSAIA, Giuseppe [IT/IT]; Via Terni, 29, I-00040 Pomezia Roma (IT). For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN AUTOMATIC DEVICE FOR IDENTIFICATION ON VIDEOBANK AND FOR THE WITHDRAWAL OF PORNO-SHOP PRODUCTS FROM A VENDING MACHINE WITH PRE-LOADED SECTIONS



(57) Abstract: An automatic device for identification on videobank and for the withdrawal of porno-shop products from a container with pre-loaded sections, like videos and other articles of the field, consisting of a control terminal (1) for the identification and the choice of the preferred article and the entering of an opening signal to the front door (6) of one of the housings of a vending machine (2) with pre-loaded sections (5), connected to said terminal, so as to withdraw the content thereof without the intervention of any operator.



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**"AN AUTOMATIC DEVICE FOR IDENTIFICATION ON VIDEOBANK
AND FOR THE WITHDRAWAL OF PORNO-SHOP PRODUCTS FROM A
VENDING MACHINE WITH PRE-LOADED SECTIONS "**

The present invention concerns an automatic device for identification on videobank and for the withdrawal of porno-shop products from a vending machine with pre-loaded sections, like videos and other articles of the field.

It is well known that the shoppers of outfits for erotic games may find themselves in an awkward position in the specialized public stores, where their privacy is not guaranteed and they may become the object of morbid interest and sometimes of mockery by the onlookers.

It is the aim of the present invention to assure the freedom of choice and of purchase of any porno-shop article, with the total guarantee of the privacy even in highly crowded places.

The aim set forth is reached by means of the automatized device according to the present invention, consisting of a control terminal for the identification and the choice of the preferred article and the entering of an opening signal to one of the housings of a vending machine with pre-loaded sections, connected to said terminal, so as to withdraw the content thereof without the intervention of any operator.

Besides the already mentioned operative autonomy of the shopper, the advantage of the device according to the present invention consists in the simplicity and rapidity of the operation.

The present invention will be described more in detail hereinbelow relating to the enclosed drawings in which an embodiment is shown.

Figure 1 shows an outer axonometric scheme of an automatic device for the identification on videobank and for the withdrawal of porno-shop products from a vending machine with pre-loaded sections.

Figure 2 shows a functional block scheme.

The enclosed figures show an automatic device for the identification on videobank and for the withdrawal of porno-shop products from vending machine with pre-loaded sections, like videos and articles of the field, comprising a control terminal 1 that allows the visualization, by digitizing the reference abbreviations, the indications and the location of the chosen product contained in one of the multiple housings of a vending machine 2, with the entering of the opening signal of the relative section for the withdrawal of the chosen article, consisting of:

- an administrator of magnetic cards G, working with the special cards T of the users of said system;

- data banks 4, containing informations concerning the availability and location of the videos V inside the vending machine 2;
- a multifunctional keyboard K;
- a monitor M.

The working of the terminal 1 is controlled by a special control central 3, that:

- visualizes the list of the articles V available in the vending machine 2 on the monitor, and elaborates the data of the data bank 4;
- allows the choice of one or more articles between those available, by the use of the keyboard K;
- finds in the data bank 4 all information concerning the location, inside said vending machine, of the videos or other articles chosen;
- appropriately treats, by means of said administrator G, the magnetic cards T of the system's users for updating the informations at each performed operation of renting, sale and return.

The vending machine 2 according to the present invention consists of:

- a series of object-carrying sections 5, closed with front doors 6;
- electromechanic blocking means 10, for keeping closed the front doors 6 of sections 5;

- a control device 7 for the blocking means 10, that may determine a temporary unblocking with the opening of the front doors 6 relative to the spaces containing the articles V selected by the user, so as to allow the withdrawal of the same.

Said control device 7 has a data inlet 8 connected to the control central 3 of said terminal 1 as well as a series of data outlet 9, in a number equal to the sections 5 of the vending machine 2, connected with said electromechanic means 10 for the control of the closing of said front doors 6 of said sections.

The receiving of the data concerning said sections 5 containing the articles V chosen by the user, determines the emission of control impulses onto the data outlets 9, that cause the temporary release of the mechanisms 10 that control the closing of the front doors 6, allowing the opening thereof and the consequent access to the requested articles.

The working of the device according to the present invention may be described as follows:

- the insertion of a magnetic card T into the special manager G determines the start of the system by the activation of the control central 3 which enters the data bank 4 and visualizes onto the monitor M an updated list of the articles V contained in the vending machine 2; also the keyboard K is activated;
- once the control central 3 has received all informations concerning the articles chosen by the user by means of said

keyboard K, said central 3 provides for the updating the card T, inserted in the magnetic cards administrator G, with the performed operations; then, also the data bank 4 is updated and at the same time the location in the vending machine 2 of the articles requested by the user is performed;

- said data is sent by said control central 3, to the control device 7 that controls the opening of the sections 5 of the vending machine 2 containing the articles, by means of the inlet channel 8;
- the entering of said data causes, by said control device 7, the emission of special impulses to the data outlets 9, relative to sections 5 containing the chosen articles, determining the temporary release of the electromechanic means 10 for keeping closed the front doors 6 and therefore their opening for allowing the user to withdraw the chosen articles.

CLAIMS

1. An automatic device for identification on videobank and for the withdrawal of porno-shop products from a container with pre-loaded sections, like videos and other articles of the field, **characterized in:**

- a control terminal (1) that allows the visualization, by digitizing the reference abbreviations, the indications and the location of the chosen product contained in one of the multiple housings of a vending machine (2), with the entering of the opening signal of the relative section for the withdrawal of the chosen article, comprising:
 - an administrator of magnetic cards (G), working with the special cards (T) of the users of said system;
 - data banks (4), containing informations concerning the availability and location of the videos (V) inside the vending machine (2);
 - a multifunctional keyboard (K);
 - a monitor (M);
- the vending machine (2) consists of:
 - a series of object-carrying sections (5), closed with front doors (6);
 - electromechanic blocking means (10), for keeping closed the front doors (6) of sections (5);
 - a control device (7) for the blocking means (10), that may determine a temporary unblocking with the opening of the front doors (6) relative to the spaces containing

the articles (V) selected by the user, so as to allow the withdrawal of the same.

2. A device according to claim 1, **characterized in that** the control device (7) has a data inlet (8) connected to the control central (3) of said terminal (1) as well as a series of data outlet 9, in a number equal to the sections (5) of the vending machine (2), connected with said electromechanic means (10) for the control of the closing of said front doors (6) of said sections.
3. A device according to claim 1, **characterized in that** the receiving of the data concerning said sections (5) determines the emission of control impulses onto the data outlets (9), that cause the temporary release of the mechanisms (10) that control the closing of the front doors (6), allowing the opening thereof and the consequent access to the requested articles.
4. A device according to claim 1, **characterized in a control central 3, that:**
 - visualizes the list of the articles (V) available in the vending machine (2) on the monitor, and elaborates the data of the data bank (4);
 - allows the choice of one or more articles between those available, by the use of the keyboard (K);
 - finds in the data bank (4) all information concerning the location, inside said vending machine (2), of the videos or other articles chosen;
 - appropriately treats, by means of said administrator (G), the magnetic cards (T) of the system's users for

updating the informations at each performed operation
of renting, sale and return.

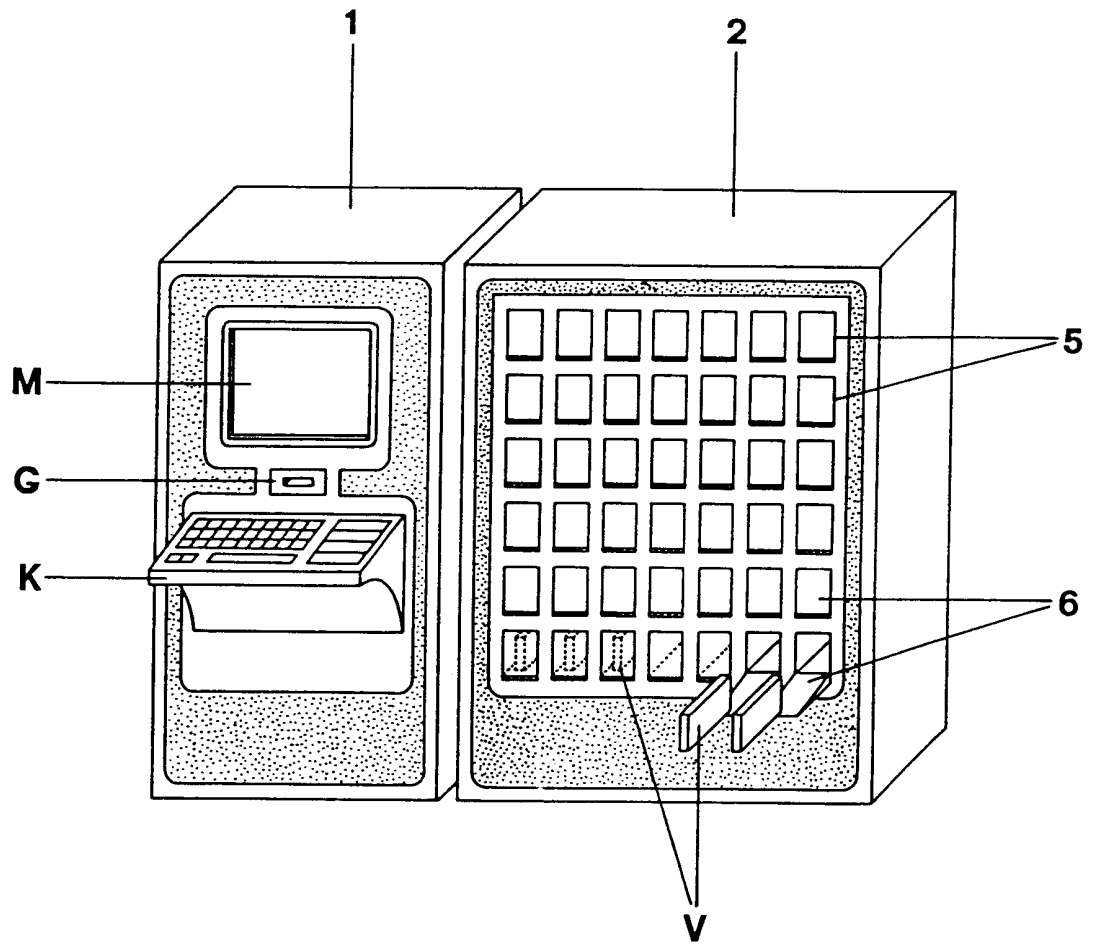


FIG.1

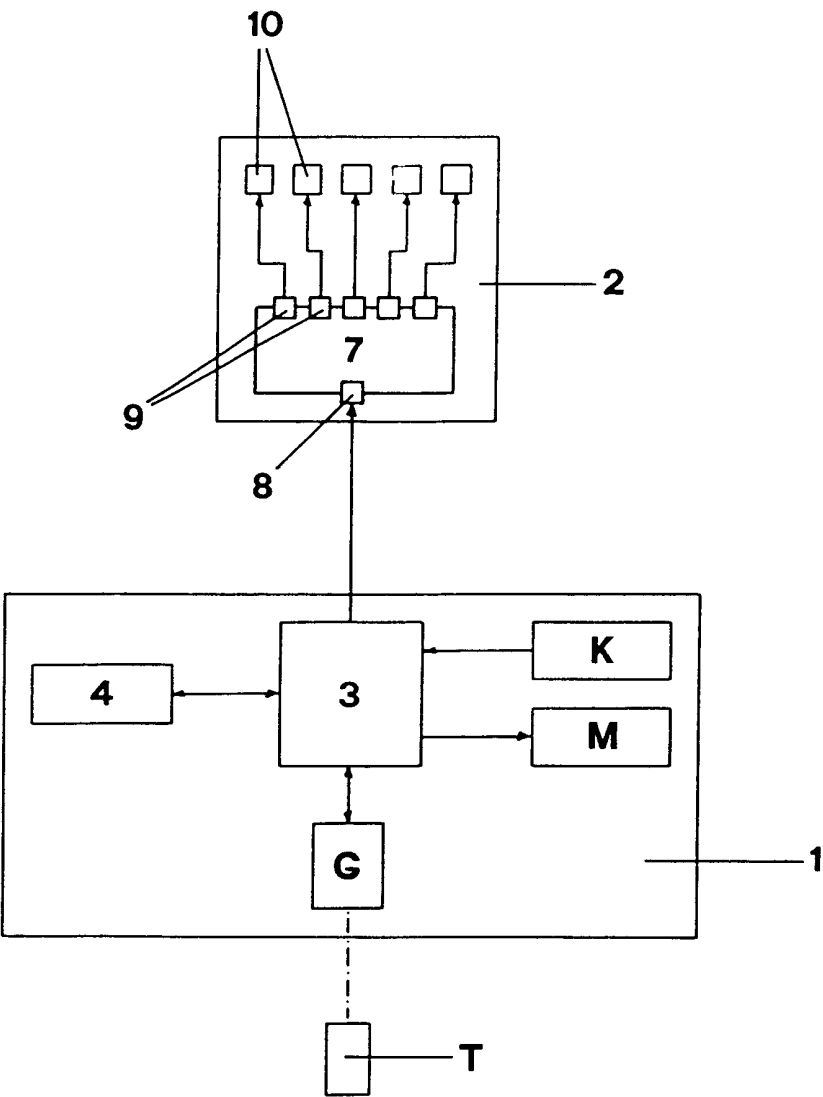


FIG.2

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 00/00120

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G07F7/00 G07F7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 028 766 A (SHAH DINESH V) 2 July 1991 (1991-07-02) abstract column 1, line 41 - column 2, line 7 column 3, line 12 - line 49 ---	1-4
X	DE 197 28 885 A (ALBERS REINHARD) 14 January 1999 (1999-01-14) column 18, line 26 - line 62 -----	1-4



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents :

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"E" earlier document but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

Int .tional Application No

PCT/IT 00/00120

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5028766 A	02-07-1991	AU 1491288 A WO 8806771 A	26-09-1988 07-09-1988
DE 19728885 A	14-01-1999	NONE	