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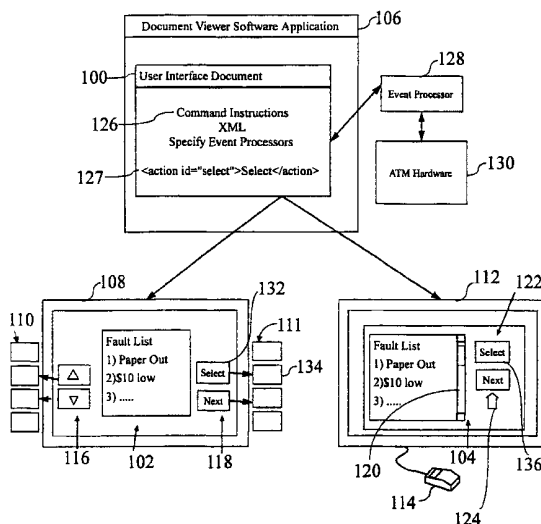
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[Continued on next page]

(54) Title: AUTOMATED BANKING MACHINE SYSTEM AND METHOD



(57) Abstract: An automated banking machine (10) is operatively controlled from a front consumer user station (12) and a rear maintenance user station (14). The machine is operative to output a consumer user interface (28) through a front display device (16, 80). The consumer user interface includes interactive options for performing transactions with the machine including dispensing cash with a cash dispenser (32). The machine is further operative to output a maintenance user interface (30), through a rear display device (18, 82). The maintenance user interface includes options for configuring, troubleshooting, servicing and maintaining the machine. The operating system of the machine is operative to generate a desktop environment (84) that spans both the front display device and rear display device, such that a first portion (86) of the desktop is output by the first display device and a second portion (88) of the desktop is output by the second display device.



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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.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/24705

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : G09G 5/00; G07G 1/14; G06F 17/60
 US CL : 345/1.1, 156; 902/8; 235/379; 717/5
 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)
 U.S. : 345/1.1, 3.1 156; 902/8, 20, 21, 22, 23, 30, 32; 235/379, 380, 381; 717/2, 5

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,850,076 A (MORIOKA et al.) 15 December 1998, abstract, col. 5, line 62 - col. 10, line 2	1-3, 8, 9, 18-21, 23, 26, 35, 47-50, 67 ----- 10, 66
X	US 5,586,323 A (KOIZUMI et al.) 17 December 1996, abstract, col. 3, line 60 - col. 7, line 16.	27-34
X	US 4,580,040 A (GRANZOW et al.) 01 April 1986, abstract, col. 4, line 50 - col. 8, line 10.	18-21, 66
Y,E	US 6,273,413 B1 (GRAEF) 14 August 2001, col. 14, lines 50-55.	66
Y	JP 2000067142 A (HITACHI LTD.) 03 March 2000, abstract, solution.	10
A	US 5,287,269 A (DORROUGH et al.) 15 February 1994, whole document	1-67
A, P	US 6,145,740 A (MOLANO et al.) 14 November 2000, whole document	1-67

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"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	

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/24705

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-26 and 35-67, drawn to display peripheral input device, class 345, subclass 156.

Group II, claim(s) 27-34, drawn to program code translator or compiler, class 717, subclass 5.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: group II, for example, does not require a specific hardware as claimed in group I.

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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.