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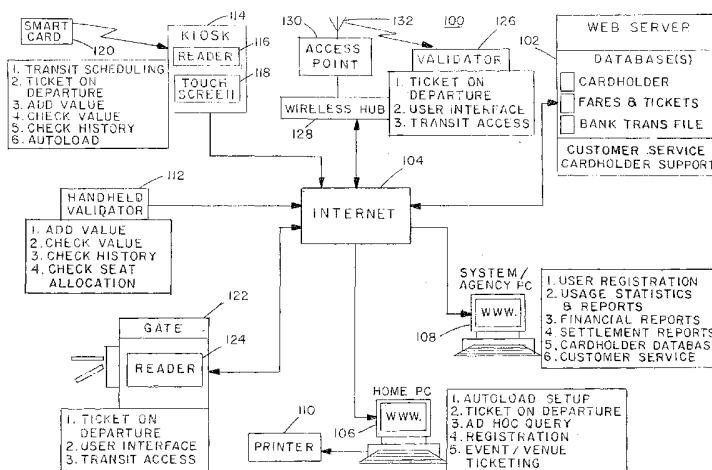
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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: SYSTEM ENABLEMENT OF AUTOMATIC FARE COLLECTION DEVICES USING A NETWORK



(57) Abstract: A system for internet enablement of automatic fare collection devices, such as smart cards (120), is provided to interface to smart card fare systems (122) to increase the ability to sell and process transit payments and to collect entry permits or tickets at an access device or fare collection equipment. The system comprises a server (102) containing a database for storing accounts of individual cardholders where each smart card is associated with a unique account. A patron or cardholder accesses his account via a terminal (106) containing a web browser to purchase entry permits. Once the entry permits have been purchased, the cardholder presents his card to an access device which communicates with the server to determine if there are any pending entry permits. If there are any pending entry permits associated with the access device, the entry permit is written to the smart card and the other entry permits remain pending until the cardholder presents the card at the appropriate access device.

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**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US02/15328

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) :G06K 5/00  
US CL :235/382

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. : 235/382, 380, 379, 384; 705/13

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)

Please See Extra Sheet.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,032,857 A (KITAGAWA et al) 07 March 2000 (07/03/2000), see entire document.	1-20
A	US 6,118,860 A (HILLSON et al) 12 September 2000 (12/09/2000), see entire document.	1-20
A	US 6,085,976 A (SEHR) 11 July 2000 (11/07/2000), see entire document.	1-20

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 document 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		

Date of the actual completion of the international search 29 DECEMBER 2002	Date of mailing of the international search report <b>11 JUL 2003</b>
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**INTERNATIONAL SEARCH REPORT**

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PCT/US02/15328

**B. FIELDS SEARCHED**

Electronic data bases consulted (Name of data base and where practicable terms used):

BRS

search terms: fare, internet, database, data base, access, smart card, ic card, pcmcia, facility, entertain?, sporting, event, stadium, arena