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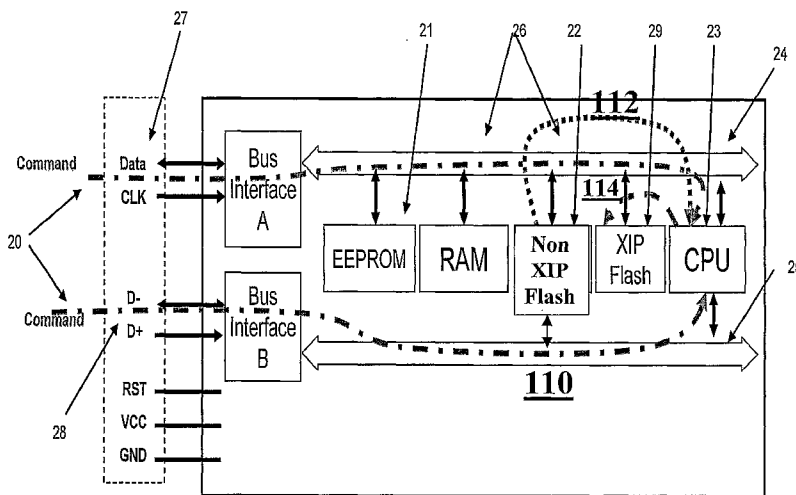
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: LOADING INTERNAL APPLICATIONS ON A SMARTCARD



(57) Abstract: Portable smartcard devices, methods of executing program code using smartcard devices, and computer readable storage media including instructions for smartcard devices are provided. According to some embodiments, the presently disclosed smartcard device includes an interface for presenting smartcard functionality to a host system and for receiving a program execution command from the host system, non-volatile memory, executable memory, a copying mechanism such as an internal copying mechanism for copying program code from the non-volatile memory to the executable memory, and a program execution mechanism for executing the program code. Appropriate interfaces include but are not limited to ISO 7816 compatible interfaces, USB interfaces, and MMC interfaces. In some embodiments, the smartcard functionality includes SIM functionality and/or USIM functionality. Optionally, execution of the program code commences when only a portion of the copied executable code resides in the executable memory. A method of delivering pre-loaded protected executable code to smartcard users is disclosed.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL06/00350

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **G06K 19/06(2006.01)**

USPC: 235/492

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. : 235/492, 436

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Please See Continuation Sheet


C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,513,719 B1 (IMURA) 04 February 2003 (04.02.2003), Figures 1-4; column 4, lines 12-18; column 7, lines 22-35, 49-56; column 8, line 56 - column 9, line 3.	1-32
A,E	US 7,099,190 B2 (NOGUCHI et al) 29 August 2006 (29.08.2006), see entire document.	1-32
A	YIM et al, A Flash Compression Layer for SmartMedia Card Systems, IEEE Transactions on Consumer Electronics, Vol. 50, No. 1, February 2004, pages 192-197.	1-32

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
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Continuation of B. FIELDS SEARCHED Item 3:

EAST: US-PGPUB; USPAT; EPO; JPO and IEEE Xplore

search terms: usim same usb same mmc; usim; (sim) same usb same mmc; usim same (smart adj card); (memory adj stick) same mmc same usb; 235/492.ccls. and (remote same (down\$1loading) same (program application)); (ic smart) adj card\$1; (ic smart) adj card\$1 same (remote same (down\$loading) same (program application)); nand adj10 flash adj10 memory; internal with copy\$4; load\$4 same into same ram same rom; ((smart adn card<in>metadata) <and> (nand and flash<in>metadata)) <and> (non-xip<in>metadata); ((ic and card<in>metadata) <and> (flash and memory<in>metadata))