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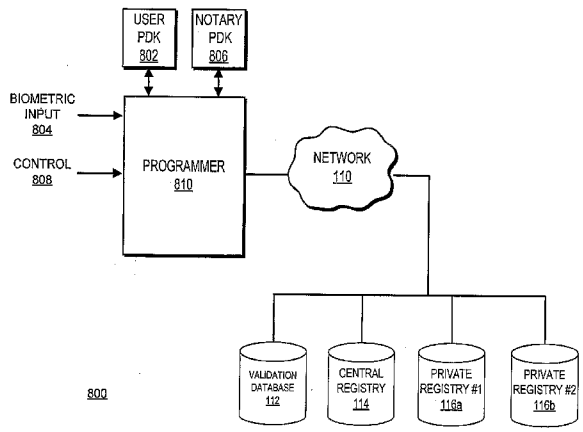
(54) Title: PERSONAL DIGITAL KEY INITIALIZATION AND REGISTRATION FOR SECURE TRANSACTIONS



(57) Abstract: A system and method provide efficient, secure, and highly reliable authentication for transaction processing and/or access control applications A personal digital key (PDK) (802) is programmed using a trusted programming device to initialize and/or register the PDK (802) for use In one embodiment, the initialization and registration processes are administered by a specialized trusted Notary to ensure the processes follow defined security procedures In a biometric initialization, the programming device acquires a biometπc input 804 from a user and writes the biometric data to a tamperproof memory in the PDK (802) In registration, the programmer (810) communicates to one or more remote registers to create or update entries associated with the user PDK (802) Once initialized and registered, the PDK (802) can be used for various levels of secure authentication processes.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC: **H04L 9/00**(2006.01)

USPC: 713/186
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. : 713/186

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)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0079133 A1 (BREITER et al.) 24 April 2003 (24.04.2003), Fig. 4 and 5, paragraphs [0082]-[0083].	1-24
Y	US 2002/0191816 A1 (MARITZEN et al.), 19 December 2002 (19.12.2002), paragraph 0056.	1-24

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

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"&" document member of the same patent family

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