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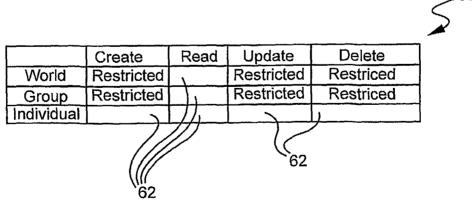
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(54) Title: METHOD AND SYSTEM FOR PROVIDING A SECURE MULTI-USER PORTABLE DATABASE



(57) Abstract: A system and method for providing, managing, and accessing a multi-user secure portable database using secure memory cards is provided. The database has a secure portion for storing security keys and a non-secure portion for encrypted data files. Access to the encrypted data files is controlled by assigning access rights through an access control matrix to each encrypted data file according to a hierarchical structure of users. A user requesting access is identified in the hierarchy, associated with a key for allowing the requested access, and the requested access allowed to a file in accordance with the rights allocated through the access control matrix. A patient can selectively grant access to encrypted medical records on his card to a physician. Authentication of the owner/patient is preferably required. Other records required by emergency medical personnel are readable from the same card without requiring permission from the patient.





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A. CLASSIFICATION OF SUBJECT MATTER IPC: G06F 7/04(2006.01),17/30(2006.01);G06K 9/00(2006.01);H03M 1/68(2006.01);H04K 1/00(2006.01);H04L 9/00(2006.01),9/32(2006.01);H04N 7/16(2006.01)			
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Minimum documentation searched (classification system followed by classification symbols) U.S.: 380/227,228; 705/2,18,52; 707/10; 709/206; 713/156,165,166,167,173,175,178,182; 726/2,9,20,27,28,29,30			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Patent Linguistic Utility System (PLUS)			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCT	JMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
A	US 6,725,200 B1 (ROST) 20 Apr. 2004 (20.04.2004), Abstract	1-45
Α	US 6131090 (BASSO et al) 10 Oct 2000 (10.10.2000), Abstract		1-45
A	US 6523009 B1 (WILKINS) 18 Feb. 2003 (18.02.2003), columns 3 and 4, column 5, lines 30 - 38; column 6, lines 4 - 8 & 16 - 21.		1-45
X,E US 2005/0197859 A1 (WILSON et al) 08 Sept. 2005 paragraphs [0016] - [0017], [0019] - [0024], [0028],			1-45
Y,E [0049] - [0050], [0054] - [0056], [0058], [0071]-[0070] US 7168092 (KING et al) 23 Jan 2007 (23.01.2007), column 14, lines 6 - 8.		72], [0080],[0082].	1,36
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