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

	Create	Read	Update	Delete
World	Restricted		Restricted	Restricted
Group	Restricted		Restricted	Restricted
Individual				

(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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# INTERNATIONAL SEARCH REPORT

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PCT/US06/25389

## 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)  
H04N 7/167( 2006.01);G06F 7/00( 2006.01);15/16( 2006.01);G06Q 10/00( 2006.01);50/00( 2006.01)

USPC: 713/156,165,166,167,173,175;726/27,28,29,30

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. : 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. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,725,200 B1 (ROST) 20 Apr. 2004 (20.04.2004), Abstract	1-45
A	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 (08.09.2005), Abstract; Figures 2, 3; paragraphs [0016] - [0017], [0019] - [0024], [0028], [0030]-[0031], [0034], [0037]-[0039], [0049] - [0050], [0054] - [0056], [0058], [0071]-[0072], [0080],[0082].	1-45
Y,E	US 7168092 (KING et al) 23 Jan 2007 (23.01.2007), column 3; column 13, lines 15 - 30, column 14, lines 6 - 8.	1,36



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