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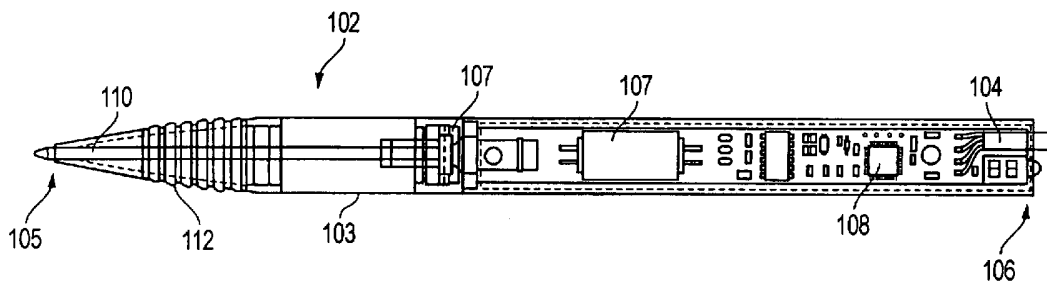
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(54) Title: METHOD AND APPARATUS FOR CAPTURING AND AUTHENTICATING BIOMETRIC INFORMATION FROM A WRITING INSTRUMENT



(57) Abstract: This present invention includes a method for capturing and transmitting data captured from a writing instrument in a secure manner. More specifically, the biometric information collected from the pen is coupled with at least one additional data point for encryption. The user initially uses the pen to create a signature which is converted into an encrypted reference value in accordance with the present invention. When authentication is desired, the user uses the same or similar pen to create a signature which again is converted into an encrypted value. Thereafter, the encrypted reference value is compared to the encrypted data value to determine if the values substantially match. There is not need to retain the original reference signature, thereby enhancing the security of the overall system.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/27257

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **G06K 9/00** (2006.01)

USPC: 382/116,122
 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. : 382/116,122

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)
 IEEE Xplorer and image concatenation

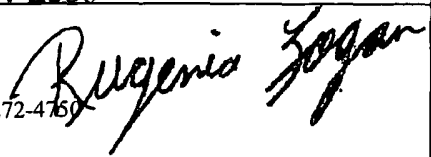
C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,307,956 B1 (Black) 23 October 2001 (23.10.2001), column 13, lines 25-48, column 4 lines 18-67, column 7 lines 42-68, column 11, lines 13-29	1-4, 6-7, 9-12, 14-23, 25-30, 32-33 ----- 8, 13, 24, 31
Y	US 5,719,691 A (Curtis) 17 February 1998 (17.02.1998), column 10, lines 61-68)	8, 13, 24, 31

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

* Special categories of cited documents:	"T"
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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