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(54) Title: SYSTEM AND METHOD FOR POINT-TO-POINT ENCRYPTION WITH ADJUNCT TERMINAL

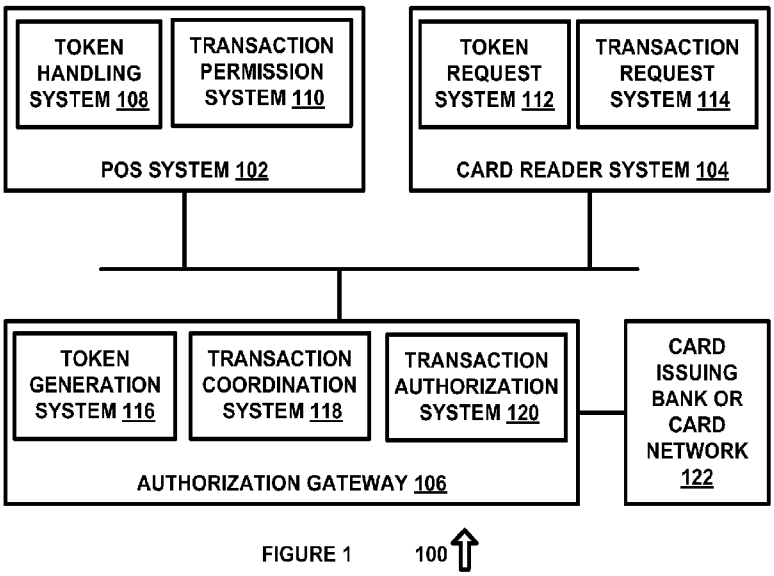


FIGURE 1 100

(57) Abstract: A system for point-to-point encryption is provided. A card reader system reads unencrypted card data stored on a magnetic stripe of a card and encrypts the card data, the card reader system being contained in a first housing. A point of sale device coupled to the card reader system and contained in a second housing separate from the first housing has a user interface for obtaining a transaction amount. A transaction request system transmits the transaction amount and the encrypted card data to an authorization gateway, wherein the unencrypted card data is prevented from being processed by the point of sale device.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

G06Q 20/00(2006.01)i, H04L 9/32(2006.01)i, G07G 1/14(2006.01)i

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)
G06Q 20/00; G06K 5/00; G06F 11/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords: card reader, credit card, encryption, transaction and authentication.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 10-2009-0124137 A (KIS INFORMATION & COMMUNICATION, INC.) 03 December 2009 See the abstract, paragraphs [0020]-[0021], [0026]-[0030], [0052]-[0054], figures 1, 3, 9 and claims 1-5.	1-16
A	KR 10-2007-0117420 A (KOREA INFORMATION & COMMUNICATIONS CO., LTD.) 12 December 2007 See the abstract, paragraphs [0070]-[0086], figure 1 and claims 1-4.	1-16
A	KR 10-2010-0006004 A (NICEDATA CO., LTD.) 18 January 2010 See the abstract, paragraphs [0036]-[0042], figure 1 and claim 1.	1-16
A	US 2004-0182921 A1 (TIMOTHY E. DICKSON et al.) 23 September 2004 See the abstract, paragraphs [0062]-[0063], figure 11 and claim 14.	1-16
A	US 6560709 B1 (GALOVICH DAVID J.) 06 May 2003 See the abstract, column 10, line 45 - column 11, line 21, figure 7 and claim 1.	1-16

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

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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KR 10-2007-0117420 A	12.12.2007	None	
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US 2004-0182921 A1	23.09.2004	US 6736313 B1	18.05.2004
US 6560709 B1	06.05.2003	None	