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DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
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KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
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OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
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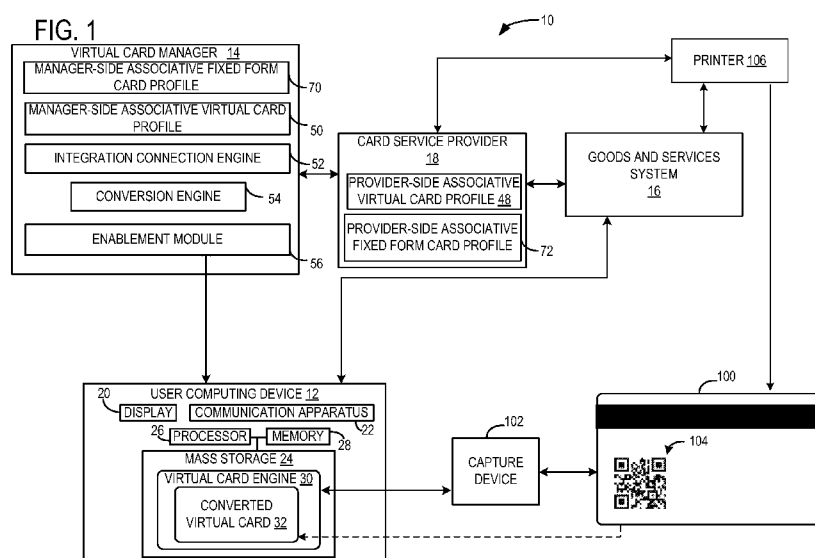
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(54) **Title:** SYSTEMS AND METHODS FOR FIXED FORM CARD TO VIRTUAL CARD COMMUNICATION



(57) **Abstract:** System and methods for converting a fixed form card to a virtual card are disclosed herein. The system includes a virtual card manager and a user computing device communicatively coupled via a network. The virtual card manager may be configured to convert a fixed form card to a virtual card, and the user computing device may be configured to initiate a virtual card conversion request via a virtual card engine stored in mass storage and executable by a processor. As such, a stored value of the fixed form card may be transferred to the virtual card in a secure manner.

A. CLASSIFICATION OF SUBJECT MATTER**G06Q 20/32(2012.01)i, G06Q 20/24(2012.01)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 20/32; G06K 5/00; G06F 21/20; H04M 1/00; H04W 12/06; G06Q 40/02; G06Q 20/16; G06Q 20/00

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: virtual, card, 2-dimension, barcode, QR, camera, capture, transaction, mobile, convert, PIN

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006-0163343 A1 (LEE CHANGRYEOL) 27 July 2006 See abstract and claims 1-6.	1-20
A	US 2005-0250538 A1 (ASHOK NARASIMHAN et al.) 10 November 2005 See abstract, figure 1 and claims 1-8.	1-20
A	KR 10-2010-0034314 A (SAMSUNG CARD CO., LTD.) 01 April 2010 See abstract, figure 1 and claims 1-6.	1-20
A	KR 10-2011-0051003 A (YEO, HO RYONG et al.) See abstract and claims 1-13.	1-20
A	KR 10-2010-0094443 A (BIZMODELIN CO., LTD.) 26 August 2010 See abstract, figures 1-4 and claims 1-3.	1-20
A	JP 2010-165115 A (ARTS TECH INC) 29 July 2010 See abstract and claims 1-2.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

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 10-2011-0051003 A	17.05.2011	None	
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JP 2010-165115 A	29.07.2010	None	