

**Search query (4):** [SP]: background of the invention[0001] 1. field of the invention[0002] the disclosure relates to a preprinting method and system of secured information for gaming system. more particularly, the disclosure relates to a preprinting method and system of secured information for gaming system that eliminate the possibility of adulteration from the gaming system and provide reliability and information security of digital chance games to the players.[0003] 2. description of the related art[0004] games of chance are often designed based on the assumption of the equal likelihood of events. for example, in general card games, all cards are picked from a deck, most would say that one card, for example the three of clubs, is just as likely to be chosen as any other card, such as the eight of diamonds. experience has shown that actually all cards are equally likely to be chosen from a well shuffled deck, so that the possibility are the same for every players in the card game.[0005] games of chance based on electronic devices are widely known. during the processing of these games, each of the processing steps is monitored by computer programs which can be designed to favor the computer itself.[0006] in the hand shuffling or manual distribution of cards, unfair play is even more likely to occur by intentional cheating or unavoidable error. take black jack for example, it is played with a standard deck, by two or more persons, against a dealer (banker). to begin with, each player is dealt one card face down and makes his bet. he then receives a card face up. he may "hold" with two cards or draw more, one at a time. if he goes over 21, he pays the dealer. the dealer draws last and only loses to hands closer to 21 than his own. two cards totaling 21 form a "natural", or "blackjack", for which the dealer either collects or pays double. the game will therefore be readily acknowledged that all the game draws is fair and inevitably leave the game open to intentional cheating or unintentional error by the computer or staff making black jack and similar games of chance inherently unfair.[0007] however, as long as the cards games are utilized, a certain form of cheating like cooperation between the dealer and one of the players is possible with regard to intentional cheating, such that a fair card game may not be achieved, or at least a player can never be sure that the card game in which he is participating is fair. therefore, a gaming system and method with the guarantee of the existence of winning combination before any selection that is made by the player is needed, and the information security mechanism is also required in the same system and method.summary of the invention[0008] in view of the aforementioned existing technical problems, one objective of the present invention is to provide an information securing and preprinting gaming system and method.[0009] according to the objective of the present invention, a preprinting system of secured information connected to a game host device, which is configured to execute a game program. the preprinting system includes a controller, a printer, a plurality of printer detectors, a housing, and a plurality of housing detectors. the controller is configured to communicate with the game host device, and to receive a game information signal and a status checking request signal from the game host device. the printer is electronically connected to the controller, which is configured to be controlled by the controller to print a game draw of the game program on printable medium stored therein, and the printed printable medium is partially revealed to the player while the game draw thereon is unknown to the player. the plurality of the printer detectors are disposed on the printer and are electronically connected to the controller, and the controller is configured to control the plurality of the printer detectors to check the position of the printable medium according to the status checking request signal. the housing is disposed to enclose the printer to protect the printer from exterior forces while revealing a part of the printed printable medium. the plurality of the housing detectors are disposed between the printer and the housing and are electronically connected to the controller, and the controller is configured to detect any unexpected opening of the housing by the plurality of the housing detectors, the controller transmits a confirm signal to the game host device if the printable medium is correctly printed and the housing is kept closed, then at least one game draw of the game program is generated after the game host device receives the confirm signal, and the controller is configured to receive the at least one game draw to control the printer to print the game draw on the printable medium before a game associated to the at least one game draw is started, after the game is finished, the controller is configured to control the printer to eject the printed printable medium according to the game information signal and to terminate the game.[0010] preferably, the controller is configured to determine whether the position of printed printable medium is correct in real time through the plurality of the printer detectors.[0011] preferably, the controller may be configured to determine whether the position of the housing is correct in real time by the plurality of the housing detectors, if "no", the controller is configured to set the preprinting system into a lock state which may be polled by the game host device to change the game play status.[0012] preferably, the preprinting system may further include a memory unit, which is configured to store records generated by the plurality of the printer detectors and the housing detector.[0013] preferably, the printed printable medium may be a ticket, and the records comprising a unique ticket id, a ticket type, and life time of the ticket.[0014] preferably, the records may include data of the plurality of the printer detectors and the plurality of the housing detectors.[0015] preferably, the preprinting system may further include a battery unit, which is configured to supply power to the printer detectors, the housing detector, and the controller memory if a power supply for the preprinting system from outside is interrupted.[0016] preferably, data transmission between the game host device and the controller may be configured to be encrypted by the game host device and the controller.[0017] preferably, the housing may further include an armor with a lock door and a cover, the cover is openably disposed on the printer, and the armor is movably disposed outside of the printer and the cover to protect the printer and the cover.[0018] according to another objective of the present invention, a preprinting method of secured information for a gaming system applicable to the preprinting system of secured information of the present invention, the method comprises following steps: using the controller to communicate with the game host device and receive the game information signal and the status checking request signal using the controller to control the plurality of printer detectors to detect a position of the printable medium according to the status checking request signal using the controller to control the plurality of the housing detectors to detect any unexpected opening of the housing using the controller to transmit a confirm signal if the printable medium is correctly printed and the housing is kept closed, and then at least one game draw of the game program is generated after the game host device receives the confirm signal using the controller to receive the at least one game draw to control the printer to print the game draw on the printable medium before a game associated to the at least game draw is started, and the printed printable medium being partially revealed to the player while the game draw is unknown to the player using the controller to control the plurality of printer detectors to detect a position of the printed printable medium according to the status checking request signal using the controller to control the printer to eject the printed printable medium according to the game information signal after the game is finished.[0019] preferably, the controller may be configured to determine whether the position of printed printable medium is correct in real time through the plurality of the printer detector.[0020] preferably, the controller may be used to determine whether the position of the housing is correct in real time by the plurality of the housing detectors after the game draw is printed, if "no", the controller is configured to transmit an error signal to the game host device, and the game program executed by the game host device goes to an error condition immediately according to the error signal.[0021] preferably, the preprinting system may further comprising a memory unit, which is configured to store records generated by the plurality of the printer detectors and the housing detector.[0022] preferably, the printed printable medium may be a ticket, and the records comprising a unique ticket id, a ticket type, and life time of the ticket.[0023] preferably, the records may include data of the plurality of the printer detectors and the plurality of the housing detectors.[0024] preferably, the preprinting system must include a battery unit, which is configured to supply power to the security printer device without connecting to power.[0025] preferably, data transmission between the game host device and the controller may be configured to be encrypted by the game host device and the controller.[0026] preferably, the housing may further include an armor with a lock door and a cover, the co

**Results:** 19

**1) Family number: 33350053 (US2006205514A)**

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**Title:** MRAM AS CRITICAL EVENT STORAGE FOR POWERED DOWN GAMING MACHINES  
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|---------|--------------------|------------------|--------------------|------------------|
|         | AU2006244605 AA    | 20061116         | AU20060244605      | 20060306         |
|         | CA2600342 AA       | 20070906         | CA20062600342      | 20060306         |
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|         | CN101167108 B      | 20130403         | CN200680014045     | 20060306         |
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|         | US2006205514 AA    | 20060914         | US20050077517      | 20050309         |
|         | US7736234 BB       | 20100615         | US20050077517      | 20050309         |
|         | WO06121498 A2      | 20061116         | WO2006US08118      | 20060306         |
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**International class (IPC 8-9):** A63F13/00 A63F13/12 A63F9/00 A63F9/24 G06F17/00 G07F17/32 (Advanced/Invention); A63F13/00 A63F13/12 A63F9/00 A63F9/24 G07F17/32 (Core/Invention)

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**European class:** G07F17/32 G07F17/32C

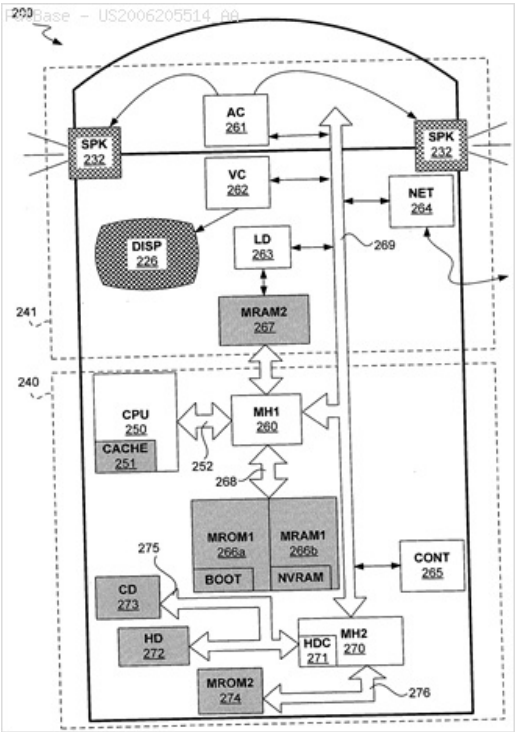
**US class:** 273/138.2 273/142.0JB 273/142JB 324/207.21 365/158 365/8 463/42 463/43 463/43P

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**Abstract:**  
Gaming machines and systems having MRAM and MROM are disclosed. MROMs for storing boot programs and other Read Only code are formed by cutting write connections or not providing PCB socket leads to MRAM write pins, or by using memory hubs to prevent writing to MRAMs. A tale-tale board or other logging device monitoring activities at various components while primary machine power is down records to MRAM, which can be dual ported to the logging device and MGC. Various components can each have dedicated logging devices and MRAMs. One MRAM associated with the brain box replaces both DRAM and NVRAM of regular machine architectures, and is used for dual purposes of regular operational use and as safe storage to facilitate a state recovery. Prioritization of data during the storage process is rendered unnecessary. Another MRAM associated with the back plane board stores data associated with the exterior housing or terminal.



|                                            |  |                                      |                  |                        |                  |  |
|--------------------------------------------|--|--------------------------------------|------------------|------------------------|------------------|--|
| 2) Family number: 44925098 (US2011263323A) |  |                                      |                  |                        | © PatBase        |  |
| Title:                                     |  | APPARATUS FOR PLAYING GAMBLING GAMES |                  |                        |                  |  |
| Priority:                                  |  | IT2008MI01840 20081016               |                  | WO2009IB05833 20090529 |                  |  |
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| WO10043938 A1   | 20100422 | WO2009IB05833  | 20090529 |
| ZA201105008 A   | 20121031 | ZA20110005008  | 20090529 |

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**International class (IPC 8-9):** A63F13/00 A63F9/24 G07F G07F17/00 (Advanced/Invention); G07F17/00 (Core/Invention)

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**CPC:** G07F17/32 G07F17/322 G07F17/3227 G07F17/3241

**European class:** G07F17/32 G07F17/32C4D G07F17/32E2 G07F17/32H

**US class:** 463/1 463/30 463/30P 705/14 705/14.12

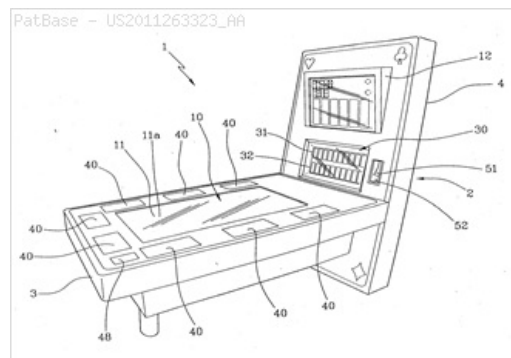
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#### Abstract:

An apparatus for playing gambling games, comprising: a device (10) for displaying a gambling game; one or more play stations (40), each of them being associated with a respective player, to enable said one or more players to play the game shown on the displaying device (10); an electronic control unit (20) operatively associated with said displaying device (10) and said one or more play stations (40) for controlling the course of said game and displaying the same; a dispensing device (50) interlocked with said electronic control unit (20) for delivering a coupon (51) reproducing the results of one or more steps of said game before said steps are played by said one or more players.



### 3) Family number: 41801164 (US2008113700A)

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|------------------|---------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|-------------------------|
| <b>Title:</b>    | METHODS AND APPARATUSES FOR AN AUTOMATIC CARD HANDLING DEVICE AND COMMUNICATION NETWORKS INCLUDING SAME |                         |                           |                         |
| <b>Priority:</b> | US20010967500 20010928                                                                                  | US20060558818 20061110  | US20060558810 20061110    |                         |
|                  | US20060558817 20061110                                                                                  | US20060558823 20061110  | EP20070853071 20071102    |                         |
|                  | WO2007US23168 20071102                                                                                  | US20120632875 20121001  | AU20130327680 20130927    |                         |
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| <b>Family:</b>   | <b>Publication number</b>                                                                               | <b>Publication date</b> | <b>Application number</b> | <b>Application date</b> |
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| WO08063379 A3     | 20081106 | WO2007US23168   | 20071102 |
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**US class:** 1/1 273/149.00RS 273/149R 463/11 463/11P 463/13 463/13S 463/16 463/25 463/42 463/47 709/227 709/227S

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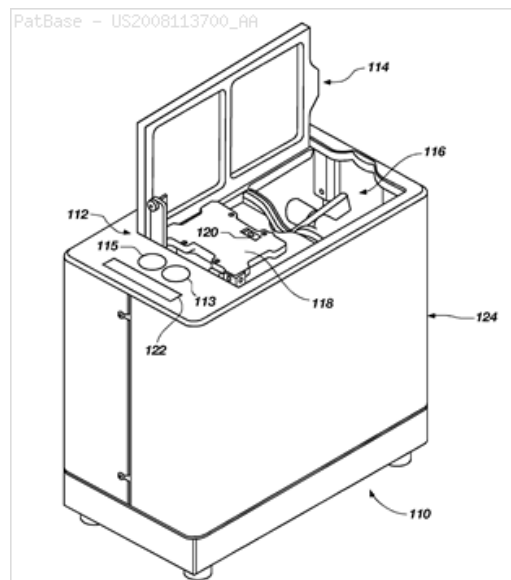
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**Abstract:**

An automatic card handling device, automatic card handling devices within a network, and methods of use are disclosed. An automatic card handling device includes a shuffling apparatus with a controller and configured to deliver a set of shuffled cards, and a communication module operably coupled to the controller. The communication module is configured for establishing an electronic communication with a local or world-wide network and thereafter sending and receiving information related to the operation of the automatic card handling device across the network. A network of automatic card handling devices may include plurality of automatic card shufflers. The network may also include at least one server operably coupled to the plurality of automatic card shufflers. In addition, the server may be operably coupled to a service center through a world-wide network.



#### 4) Family number: 32625218 (US2006033261A)

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**Title:** PAPER MOTION DETECTOR IN A GAMING MACHINE  
**Priority:** US20020402820P 20020812 US20030640495 20030812 US20080036534 20080225  
**Family:**

| Publication number | Publication date | Application number | Application date |
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**Probable Assignee:** FUTURELOGIC INC  
**Assignee(s):(std):** FUTURELOGIC INC ; HILBERT JOHN  
**Assignee(s):** AMERICAN CAPITAL FINANCIAL SERVICES INC  
**Inventor(s):(std):** HILBERT JOHN  
**Agent(s):** FITZPATRICK CELLA HARPER AND SCINTO  
**International class (IPC 8-9):** A63F13/00 B65H7/00 G03G15/00 (Advanced/Invention); B65H7/00 G03G15/00 (Core/Invention)  
**CPC:** B65H5/00 B65H2511/528  
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**US class:** 271/256 271/256P 399/21 399/21P 463/46 463/47

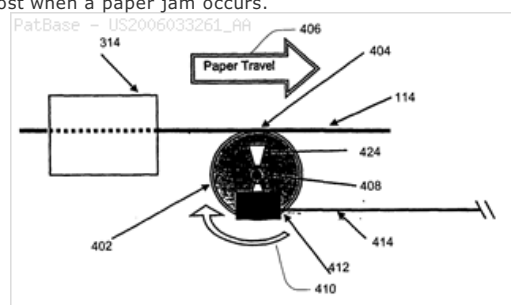
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#### Abstract:

A paper jam detector for a gaming machine. A paper jam detector is integrated with a gaming machine printer that produces cash-out paper vouchers, print-on-demand player tracking cards, or tickets. A paper jam detector may be entirely self-contained and include all of the mechanical, electrical, electronic, and software components used to detect a paper jam and communicate with a gaming machine or a host. A paper jam detector may also be distributed throughout a gaming machine printer, thereby utilizing various components of the gaming machine printer's printing mechanism and control module. The paper jam detector detects paper jam conditions by monitoring the movement of the paper through the mechanical portions of the gaming machine printer and signals to the gaming machine printer, gaming machine, or host when a paper jam occurs.



#### 5) Family number: 28320268 (US2002155869A)

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**Title:** METHOD, APPARATUS AND ARTICLE FOR VERIFYING CARD GAMES, SUCH AS PLAYING CARD DISTRIBUTION

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| Family: | Publication number | Publication date | Application number | Application date |
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| WO04071604 A3 | 20041216 | WO2004US03649 | 20040209 |
| ZA200400099 A | 20050407 | ZA20040000099 | 20040107 |

**Probable Assignee:** UNITED STATES PLAYING CARD CO

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**Assignee(s):** UNITED STATES PLAYING CARD CO ; INT PLAYING CARD CO LTD ; SHFL ENTERTAINMENT INC ; SIERRA DESIGN GROUP ; WALKER DIGITAL TABLE SYSTEMS LLC ; OVIOTTI LLC ; MINDPLAY LLC SUITE ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ; BALLY TECHNOLOGIES INC ; IGT ; BALLY GAMING INT ; ARCADE PLANET INC

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**Inventor(s):** SOLTYS RICHARD HUIZINGA RICHARD MOUCHOU ROBERT B ; R SOLTYS ; R HUIZINGA ; SOLTYS RICHARD STE 2008 ; MOUCHOU ROBERT B RENO ; HUIZINGA RICHARD BELLEVUE

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**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

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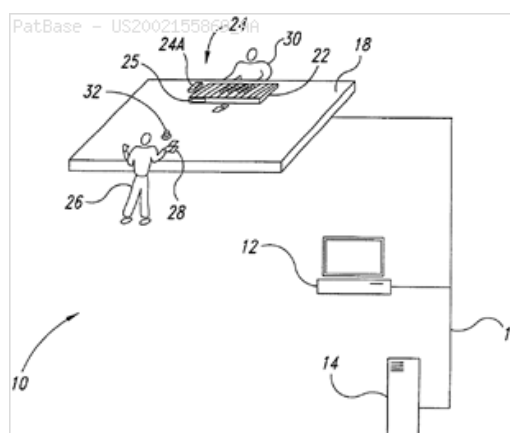
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WO19059113, WO16014936, WO15038437, WO14055535, WO12166197, WO12100661, WO11146433, WO11092597, WO10028000, WO10023495, WO09135903, WO09026110, WO07136396, WO07136393, WO07033085, WO06039308, WO06039308, WO06039306, WO04071604, WO04071604, USRE46826, USRE46505, USD839965, USD764599, USD705364, USD692068, USD692067, USD682066, USD688241, USD687829, USD687435, USD686208, USD680537, USD646338, USD615600, US9993719, US9978220, US9962987, US9959713, US9940782, US9931562, US9922502, US9914044, US9908034, US9901810, US9898889, US9881450, US9868050, US9865129, US9861881, US9861880, US9855491, US9849368, US9839837, US9814964, US9802114, US9789385, US9786123, US9764221, US9761080, US9751000, US9744436, US9731190, US9721421, US9717979, US9713761, US9704174, US9700785, US9687727, US9679603, US9672419, US9659461, US9656155, US9649550, US9649549, US9633523, US9630087, US9623317, US9616324, US9613487, US9569924, US9566501, US9563898, US9561426, US9552690, US9539495, US9539494, US9524618, US9511274, 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#### Abstract:

One or more actual hands of playing cards are verified against respective expected hands of playing cards, to determine whether the playing cards actually dealt correspond to the playing cards that should have been dealt based on a starting sequence of playing card values. The starting sequence of playing card values can be computationally pseudo-randomly generated, where playing cards will be ordered, for example by printing or sorting, according to the sequence for distribution to the player and/or dealer. The starting sequence of playing card values can be determined by reading identifiers from a number of playing cards prior to dealing.



#### 6) Family number: 30261372 (US2004132529A)

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**Title:** GAMING MACHINE PRINTER  
**Priority:** US20020394568P 20020709 US20020396862P 20020718 EP20030763437 20030709  
US20030616811 20030709 WO2003US21558 20030709 US20040950281 20040923  
US20090554718 20090904

| Family: | Publication number | Publication date | Application number | Application date |
|---------|--------------------|------------------|--------------------|------------------|
|         | AU2003248926 AA    | 20040123         | AU20030248926      | 20030709         |
|         | AU2003248926 BB    | 20080605         | AU20030248926      | 20030709         |
|         | CA2494151 AA       | 20050203         | CA20032494151      | 20030709         |
|         | EP1539493 A2       | 20050615         | EP20030763437      | 20030709         |
|         | EP1539493 A4       | 20070307         | EP20030763437      | 20030709         |
|         | EP1539493 B1       | 20180905         | EP20030763437      | 20030709         |
|         | ES2699536 T3       | 20190211         | ES20030763437T     | 20030709         |
|         | US2004132529 AA    | 20040708         | US20030616811      | 20030709         |
|         | US2005109810 AA    | 20050526         | US20040950281      | 20040923         |
|         | US2010093446 AA    | 20100415         | US20090554718      | 20090904         |
|         | US8240667 BB       | 20120814         | US20090554718      | 20090904         |
|         | WO04005028 A2      | 20040115         | WO2003US21558      | 20030709         |
|         | WO04005028 A3      | 20040311         | WO2003US21558      | 20030709         |

**Probable Assignee:** JCM AMERICAN CORP  
**Assignee(s):(std):** DYMOVSKY OLEG ; FUTURELOGIC INC ; MEYERHOFER ERIC ; MEYERHOFER MARK ; MKRTCHYAN SAMSON  
**Assignee(s):** JCM AMERICAN CORP ; AMERICAN CAPITAL FINANCIAL SERVICES INC  
**Inventor(s):(std):** MKRTCHYAN SAMSON ; DYMOVSKY OLEG ; MEYERHOFER MARK ; MEYERHOFER ERIC  
**Inventor(s):** SAMSON MKRTCHYAN ; OLEG DYMOVSKY ; MARK MEYERHOFER ; ERIC MEYERHOFER ; MKRTCHYAN S  
**Agent(s):** FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; SMART AND BIGGAR; BERESFORD KEITH DENIS LEWIS; LOPEZ MARIA EMILIA; FITZPATRICK CELLA HARPER AND SCINTO  
**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
**International class** A63F9/24 B41F1/00 B65H5/02 G06F13/00 G07B1/00 G07F17/32 G07F17/42 (Advanced/Invention);  
**(IPC 8-9):** B41J2/32 (Advanced/Non-invention)

**International class**  
(IPC 1-7):

A63F13/00 B41F1/00 B41F13/00 B65H35/10 G07F17/32 G07F17/42

**CPC:**

Y10T225/30 G07F17/32 G07F17/3202 G07F17/3241 G07F17/3244 G07F17/3248 G07F17/42

**European class:**

G07F17/32 G07F17/32C G07F17/32H G07F17/32K G07F17/32K4 G07F17/42

**US class:**

194/206 225/93 225/93P 271/273 271/274 463/29 463/29P 463/47 463/47P

[Classification Explorer](#)

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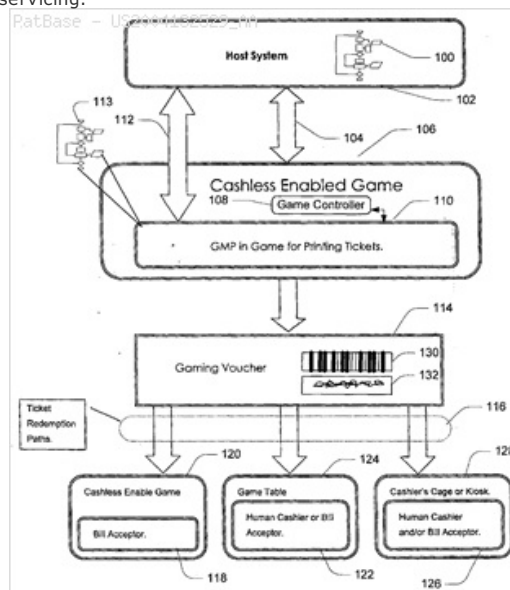
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**Forward Citations:**

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**Abstract:**

A gaming machine printer. The gaming machine printer creates printed vouchers, tickets, receipts, etc. for use in gaming applications employing cashless enabled gaming systems. The gaming machine printer includes control logic for self calibration of a printer head and other diagnostics. The gaming machine printer may be coupled to a cashless enabled game or other host using a variety of communications ports. The gaming machine printer may hold a voucher internally, verify or validate the voucher, and then may void invalid or poorly printed vouchers. The gaming machine printer further includes a mobile module having a hinged sub-module and coiled communications cord for ease in servicing.



**7) Family number: 61873445** (US2017041476A)

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**Title:**

PREPRINTING METHOD AND SYSTEM OF SECURED INFORMATION FOR GAMING SYSTEM

**Priority:**

US20150021887 20150625

WO2015US37677 20150625

ZA20180000502 20150625

**Family:**

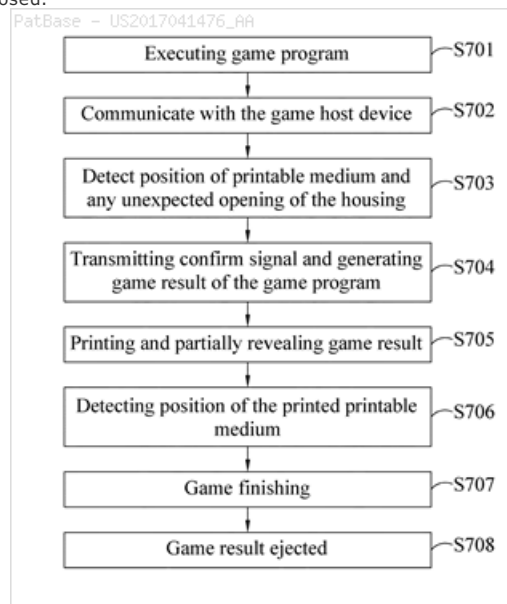
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| CN106688023 A      | 20170517         | CN201580002216     | 20150625         |
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| US2017041476 AA | 20170209 | US20150021887 | 20150625 |
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| WO16209237 A1   | 20161229 | WO2015US37677 | 20150625 |
| ZA201800502 A   | 20190731 | ZA20180000502 | 20150625 |

**Probable Assignee:** ALBICELESTE MARITIME INC  
**Assignee(s):(std):** ALBICELESTE MARITIME INC  
**Assignee(s):** FERRARI CARLOS ISIDORO  
**Inventor(s):(std):** CARLOS ISIDORO FERRARI ; FERRARI CARLOS ISIDORO  
**Agent(s):** GOWLING WLG CANADA LLP; JUAN PABLO CADENA SARMIENTO; MICHALSKI HUETTERMANN AND PARTNER PATENTANWAELTE MBB; JEAC IP AGENT CO; MUNCY GEISSLER OLDS AND LOWE PC; CANFIELD FLOYD E  
**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW  
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**CPC:** H04N1/00774 H04N1/444 H04N1/00705 H04N1/32272 H04N1/00771 A63F3/0655 G07F17/329 G07F17/3246 A63F2250/58 G07G5/00 G07F17/3248 G07F17/3251  
**US class:** 358/1.12  
[Classification Explorer](#)  
**Cited documents:** US9997025 BB, US7510116 BB, US6773348 BB, US5605504 A, US2018012453 AA, US2014094283 AA, US2011263323 AA, US2006033261 AA, US2005082735 AA, US2005057633 AA, US2004132529 AA, US2003099476 AA, TWM517636 Y, TWM476629 Y, TW201424814 A, TW201417862 A, TW201325674 A, EP1117079 A2, CN1607022 A, CN1531703 A, CN101167108 A,  
**Forward Citations:** TWI562812,

#### Abstract:

Disclosed is a preprinting system of secured information connected to a game host device. The preprinting system includes a controller, a printer, a plurality of printer detectors, a housing, a plurality of housing detectors. The controller is configured to communicate with the game host device, and to receive a game information signal and a status checking request signal. The printer is electronically connected to the controller, which is configured to print a game draw of the game program on printable medium, and the printed printable medium is partially revealed to the player while the game result draw thereon is unknown to the player. By preprint game draw of the game program, the possibility of adulteration from the game system is eliminated, the preprinting system also provides reliability, and the verification mechanism provides information security of digital chance games to the players. An preprinting method of secured information is also disclosed.



#### 8) Family number: 31875485 (US2008132314A)

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**Title:** LOTTERY AND GAMING SYSTEMS WITH DYNAMIC LOTTERY TICKETS  
**Priority:** US20030681442 20031008  
**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2008132314 AA    | 20080605         | US20030681442      | 20031008         |
| US7510116 BB       | 20090331         | US20030681442      | 20031008         |
| WO05039711 A2      | 20050506         | WO2004US27460      | 20040816         |
| WO05039711 A3      | 20060908         | WO2004US27460      | 20040816         |

**Probable Assignee:** SCIENTIFIC GAMES CORP  
**Assignee(s):(std):** IGT RENO NEV ; SCIENT GAMES INT INC ; SCIENT GAMES ROYALTY CORP  
**Assignee(s):** SCIENTIFIC GAMES ROYALTY CORP ; SCIENTIFIC GAMES INT INC ; SCIENTIFIC GAMES INT ; SCIENTIFIC GAMES CORP ; JP MORGAN CHASE BANK NA ; JPMORGAN CHASE BANK NA ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; IGT  
**Inventor(s):(std):** ROBB ARTHUR ; PENRICE STEPHEN ; BOZEMAN ALAN KYLE ; ROBB ARTHUR S  
**Agent(s):** DORITY AND MANNING PA  
**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ

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| US2011243631 AA | 20111006 | US20110156892 | 20110609 |
| US2012302325 AA | 20121129 | US20120555844 | 20120723 |
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| WO07050768 A3   | 20070802 | WO2006US41800 | 20061026 |

**Probable Assignee:**

IGT

**Assignee(s):(std):**

CRIVELLI FRANCO ; FUTURELOGIC INC ; HEDRICK JOSEPH R ; MEYERHOFER ERIC ; IGT RENO NEV ; WELLS WILLIAM R

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**Inventor(s):**

WILLIAM R WELLS ; FRANCO CRIVELLI ; JOSEPH R HEDRICK

**Agent(s):**

PHILLIPS ORMONDE FITZPATRICK; FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; SMART AND BIGGAR; FETHERSTONHAUGH AND CO; FITZPATRICK CELLA HARPER AND SCINTO; BELL BOYD AND LLOYD LLP; K AND L GATES LLP; NEAL GERBER AND EISENBERG LLP

**Designated states:**

AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

**International class (IPC 8-9):**

A63F9/24 B41F1/54 B41F17/00 B41F33/16 B41J11/44 B41J11/58 B41J13/12 B41J2/01 B41J2/315 B41J2/32 B41M3/14 B41M5/00 G06F17/00 G06F7/08 G06K1/12 G06K19/00 G06K5/00 G06K7/08 G07F17/32 G07F17/42 H01L27/15 (Advanced/Invention); G06K19/06 G06K5/00 G06K7/08 (Advanced/Non-invention); B41J11/44 B41J11/58 B41J13/12 B41J2/01 B41J2/315 B41J2/32 B41M5/00 G06K7/08 G07F17/00 (Core/Invention); B41L (Subclass/Invention)

**International class (IPC 1-7):**

B41J11/44 B41J11/58 B41J13/12 B41J2/01 B41M5/00 G06K7/08

**CPC:**

G07F17/42 B41J2/32 B41J13/12 B41J2202/35 G07F17/32 G07F17/3202 G07F17/3248 G06Q20/347 G06Q20/349

**European class:**

B41J13/12 B41J2/32 G06Q20/347 G06Q20/349 G07F17/32 G07F17/32C G07F17/32K4 G07F17/42 L41J202/35

**US class:**

235/375 235/375P 235/381 347/105 347/105P 347/171 400/521 400/521P 400/531 400/536 400/76 400/76P 463/25 463/42

[Classification Explorer](#)

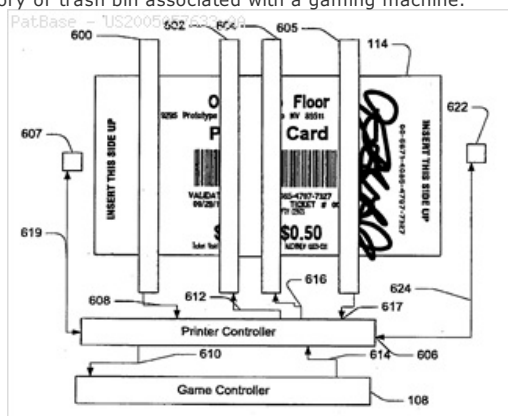
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US2004155104 AA, US2004147309 AA, US2004136764 AA, US2004110557 AA, US2004087360 AA, US2004053692 AA, US2004043814 AA, US2004043813 AA, US2004039702 AA, US2004033095 AA, US2004022444 AA, US2004016797 AA, US2004002379 AA, US2003211885 AA, US2003205896 AA, US2003201009 AA, US2003186739 AA, US2003172083 AA, US2003064784 AA, US2003038176 AA, US2003036425 AA, US2003032474 AA, US2003010827 AA, US2002169021 AA, US2002111206 AA, US2002103027 AA, US2002002075 AA, US2001014246 AA, JP9330390 A2, JP7080125 A2, JP62089167 A2, JP5169762 A2, JP2002086970 A2, JP2002/086970, JP2001293224 A2, JP2001143132 A2, JP11090026 A2, JP10255118 A2, JP10154232 A2, GB2350722, GB2221870 A1, FR2752074, EP1536388, EP1443476, EP0854461, EP0827101, EP0805424, EP0729848, EP0360613, EP0288300, AU2003201009 AA,

**Forward Citations:** WO16209237, WO16040247, WO09061987, WO07149573, WO07149572, WO07084494, US9977547, US9835434, US9367998, US9245416, US8827581, US8529341, US8523664, US8500349, US8480484, US8408550, US8363262, US8313189, US8303199, US8289535, US8277044, US8277028, US8210759, US8197334, US8118395, US8104889, US8079904, US8070594, US8061913, US8061793, US8057296, US8057032, US8052238, US8028170, US8027055, US8020002, US8018478, US8016414, US8009321, US7999964, US7997682, US7991432, US7962172, US7961364, US7901031, US7900842, US7894095, US7878645, US7877111, US7874751, US7874659, US7859701, US7843484, US7841713, US7824031, US7815126, US7736233, US7671879, US7611411, US7506804, US7494414, US7438236, US7070100, US2018065031, US2015246524, US2014300909, US2012308288, US2012052958, US2011130185, US2011098084, US2011092250, US2011058235, US2011014975, US2010277528, US2010269902, US2010248781, US2010245505, US2010234067, US2010231678, US2010231633, US2010225684, US2010190525, US2010182648, US2010149582, US2010110139, US2010090010, US2010081471, US2010013900, US2010002043, US2009279148, US2009273628, US2009268003, US2009257071, US2009256869, US2009195590, US2009131157, US2009122103, US2009098908, US2009088209, US2009085968, US2009073231, US2009067002, US2009066777, US2009039149, US2009015605, US2009011821, US2008320309, US2008176645, US2008161046, US2008153581, US2008153580, US2007239823, US2007238506, US2007218980, US2007134042, US2007105618, US2006283960, US2006266821, US2006253528, US2006252456, US2006251868, US2006251867, US2006251458, US2006250640, US2006250487, US2006250486, US2006250483, US2006250480, US2006250477, US2006250474, US2006250471, US2006250470, US2006250461, US2006025212, US2005282627, US2005234737, US2005206944, US2005200637, US2005103843, US2005059482, US10104250, EP2036733, EP2036733, CN106688023, AU2008318983,

**Abstract:**  
A rewritable card printer useful as a gaming printer. The rewritable card printer includes a print module coupled to one or more separate card magazines, each having independent card drives. A printer controller controls the operation of the print module and the one or more card magazines. Either a card magazine or the print module may include a card-destroying device. The rewritable card printer may be instructed to identify a particular rewritable card during processing and destroy the identified card. The rewritable card printer may also determine that a card should be destroyed because the card is no longer usable. Once the card is destroyed, its remnants are deposited in a destroyed card repository or trash bin associated with a gaming machine.



# 10) Family number: 56257568 (TWM476629Y)

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**Title:** PHYSICAL CARD DISPENSING AND RETRIEVING DEVICE

**Priority:** TW20140200250U 20140107

| Family: | Publication number | Publication date | Application number | Application date |
|---------|--------------------|------------------|--------------------|------------------|
|         | TWM476629 Y        | 20140421         | TW20140200250U     | 20140107         |

**Probable Assignee:** BINGOTIMES DIGITAL TECHNOLOGY CO LTD

**Assignee(s):(std):** BINGOTIMES DIGITAL TECHNOLOGY CO LTD

**Assignee(s):** BINGOTIMES DIGITAL TECHNOLOGY CO

**Inventor(s):(std):** WU MING ZHE

**International class (IPC 8-9):** A63F1/14 (Advanced/Invention)

[Classification Explorer](#)

**Forward Citations:** TWI562812, TWI501796,

**Abstract:**  
Source: TWM476629Y **Machine translation:** This is a kind of record as \ body card outputs and recovery apparatus, the Department provides electronic self-moving the card tour drama system of inkjet, lose out and recovering ? card devices, the devices Seisakusho connected department tour drama system ,in hair card recoupled Zhang off key 00 etch, inkjet printer and automatic hair cards of the same suit and cooperation system point of ammonia ? Seisakusho card; Which mainly comprises a main frame, telescopic cylinders, guide plate, guide plate printing machine and recycling bins, the strikeout pivot group than the main frame, the strikeout of ? controllable telescopic cylinders with a telescopic guide plate end of the rising or falling, and can receive, guide the inkjet machine of the card and the card ? Seisakusho, Ltd., guide into the recovery tank ? retracted, the undeveloped to provide player mode quasi true \ flutter g cards, the card is obtained squint cards and other action to improve the fun and stimulating tour drama music experience.

