

Improving the Dominican Republic's Lottery System

- **Block the option of Money laundering**
- **Stop using lottery prizes for terror financing**
- **Acquire control of lottery profits, directing the funds for public welfare**

Based on Counter-Fight by Cryptocodex Ltd.



Lottery Types

Generally, there are two types of lottery tickets

1. Identified

2. Anonymous

- **Should the anonymous ticket win a major prize, it can be traded for a small additional fee**
- **The prize is paid to the ticket holder**
- **The buyer can justify the “winning” to turn “black” funds into legitimate ones**



The Identified Ticket Purchase

Tickets may be purchased in the following manners:

- 1. From home or office, using a desktop computer**
- 2. From anywhere, using a mobile device**
- 3. From lottery kiosks (performing the process for those who do not possess other means)**
- 4. Optional: By calling a lottery center, through human staff – not recommended**



Purchase Process

- 1. Access the lottery WEBSITE**
- 2. Pick your ticket**
 - System offered
 - Own pick
- 3. Provide personal data**
 - Name
 - ID
 - eMail
 - Cell-Phone
- 4. Pay by credit card**



Purchase Process Diagram



WEBSITE Process

- 1. Verify & Charge** (Lottery Management System)
- 2. Add system parameters** (Lottery Management System)
– Including serial
- 3. Encrypt ticket data** (Counter-Fight server – Iron Ring)
- 4. Send the encrypted QR-Code to the User**
(Lottery Management System, or Counter-Fight server)

IMPORTANT

**QR-CODE data is encrypted
using Counter-Fight patented technology**

Refer to Counter-Fight detailed presentation for further information



Counter-Fight Patents



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(12) **United States Patent**
Cohen

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(54) **METHOD AND A SYSTEM FOR DATA VERIFICATION AND/OR AUTHENTICATION**

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USPC **707/737; 707/756; 707/757; 380/268**

(58) **Field of Classification Search**

None
See application file for complete search history.

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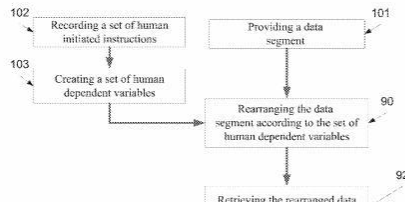
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(57) **ABSTRACT**

A method for rearranging a data segment. The method comprises providing a data segment containing digital content, generating a set of human dependent variables according to a plurality of human related activities, rearranging the data segment according to the set of human dependent variables, and updating a log according to the rearranging. The digital content may be retrieved from the rearranged data segment according to the log.

38 Claims, 9 Drawing Sheets



State of Israel
Patent Office



חוק הפטנטים, התש"ז-1967
Patents Law, 5727 - 1967

מדינת ישראל
רשות הפטנטים

תעודת פטנט CERTIFICATE OF PATENT

This is to certify that the following
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זאת לתעודה כי הפרטים דלהלן
נרשמו בפנקס הפטנטים

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**METHOD AND SYSTEM FOR DATA
VERIFICATION AND/OR
AUTHENTICATION**

שיטה ומערכת לאימות ו/או אישור נתונים

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Asa Kling אסא קלינג
רשם הפטנטים
This Certificate certifies that

Prize Collection

Small amounts

- **Are credited to user's credit card**

Substantial amounts

- **Customer to arrive at a lottery registered office**
- **Customer's identity to be verified vs. the QR-CODE decrypted data**
- **Prize paid (according to lottery rules)**



Advantages (1)

- The central system has total control of all events
- No single staff member can interfere
- The lottery management system and Counter-Fight are continuously compared, barring any internal system breach
- As the ticket contains original customer data, the ticket is **non-tradeable**

Thus,

Money laundering is blocked !



Advantages (2)

- **The system identifies addicted, usually poor, users and can attempt to limit their gambling**
- **Higher class public members, who will never buy a lottery ticket on the street, will join the lottery from the comfortable environment of their homes – increased volumes**
- **The direct link of user-to-system saves mediators' commissions – Increased profits**



Ticket Authentication Process

- The QR-Code holder can scan the barcode to view its content – Anytime
- Should this ticket be a winning one, the system will alert the holder to collect the prize

