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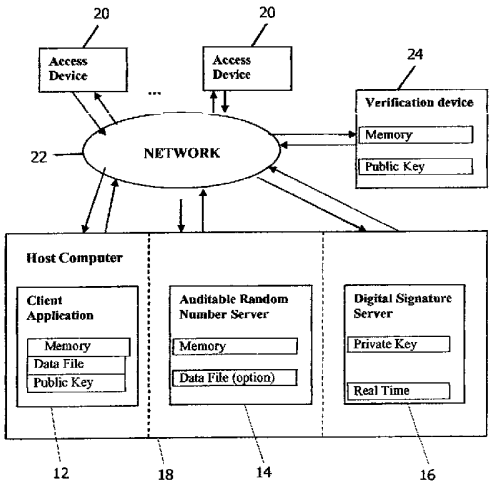
(54) Title: METHOD OF GENERATING UNPREDICTABLE AND AUDITABLE RANDOM NUMBERS




(57) Abstract: A system and method for generation of unpredictable and auditable random numbers includes a host computer (18), a digital signature server (16) and a verification device (24). The host computer (18) provides data to the digital signature server (16); obtains digital signature for this data; uses elements of this signature for random numbers generation; logs relevant data for audit. The verification device (24) uses logged data for auditing of the random number generation process. This invention can be applied in gaming and gambling industries where the random numbers are used for generation of game/play elements and of winning numbers elements. The game/play elements and winning numbers elements generated using this invention can be audited.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/00147

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 9/00; H04K 1/00

US CL : 380/28

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. : 380/28, 262, 252; 463/29

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)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| X<br>---<br>Y | US 5,778,069 A (THOMLINSON et al.) 07 July 1998 (07.07.1998), see col. 5, lines 56-58, col. 7, lines 41-44. | 1, 2, 5, 7-11, 13, 20, 22<br>---<br>3, 4, 6, 12, 14-19, 21, 23-28, 30-60 |
| Y | US 2002/0161721 A1 (YUAN et al.) 31 October 2002 (31.10.2002), see page 5, paragraph 0050). | 6 |
| Y, E | US 6,685,562 B1 (RANTANEN) 03 FEBRUARY 2004 (03.02.2004), col. 4, lines 13-26; col. 6, lines 44-64. | 3, 12, 14-19, 21, 23-28, 34-38, 42-52 |
| Y, P | US 6,595,855 B2 (SAKO) 22 July 2003 (22.07.2003), see col. 6, lines 52-57. | 4, 30-33, 39-41, 51-60 |
| Y | US 2001/0038178 A1 (VANCURA) 08 November 2001 (08.11.2001), see pages 10-11, paragraph 0128. | 34-38 |
| Y | US 2002/0141590 A1 (MONTGOMERY) 03 October 2002 (03.10.2002), see page 3, paragraph 0033. | 60 |
| A | US 5,643,086 A (ALCORN et al.) 01 July 1997 (01.07.1997). | 1-60 |

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Continuation of B. FIELDS SEARCHED Item 3:
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