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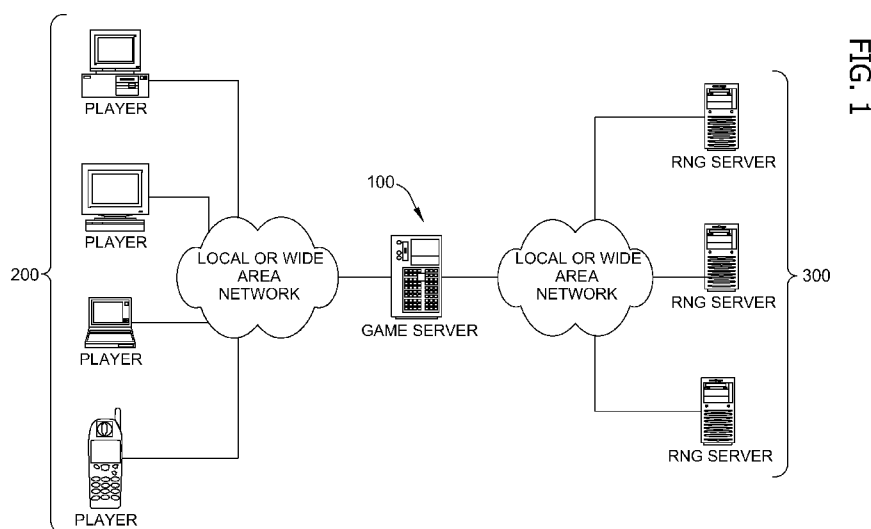
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(54) Title: SECURE PROVISIONING OF RANDOM NUMBERS TO REMOTE CLIENTS



(57) Abstract: The present disclosure provides a method for protecting the "identity" of random numbers used in multiplayer games, which prevents fraud related to access to random game elements by insiders. The method enables a distribution of random numbers by a game server in a way that the game server does not know the "identity" of random numbers but the game server may independently verify these random numbers. The method includes receiving transformation information, generating random numbers, transforming random numbers according to the transformation information, sending the transformed random numbers to a game server, securing, via the game server, the transformed random numbers, sending the transformed random numbers from the game server to a remote client, and transforming the transformed random numbers to recreate the generated random numbers.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/027646**A. CLASSIFICATION OF SUBJECT MATTER****H04L 9/14(2006.01)i, G06Q 50/00(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)

H04L 9/14; G06F 19/00; H04K 1/00; A63F 9/24; H04L 9/00

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: game, random, number, generation and secure.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0064494 A1 (BRUCE SCHNEIER et al.) 13 March 2008. See abstract, paragraphs [0002],[0034]-[0044],[0048]-[0050],[0071]-[0073], [0116]-[0117] and figs. 1,2,5-7A,11,13A,16-17.	1-24
A	US 2004-0141611 A1 (WALTER SZREK et al.) 22 July 2004. See abstract, paragraphs [0031]-[0035],[0037]-[0043],[0052]-[0054], figs. 1- 3,5 and claims 1,42,53.	1-24
A	US 2006-0165235 A1 (ROLF E. CARLSON) 27 July 2006. See abstract, paragraphs [0016]-[0017],[0035]-[0046],[0063]-[0071], figs. 1, 2,6,7 and claims 1-3,5,7.	1-24



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/027646

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