

US007824253B2

(12) United States Patent

Thompson et al.

(45) **Date of Patent:**

(10) Patent No.:

US 7,824,253 B2

Nov. 2, 2010

(54) SYSTEM AND METHOD FOR PROVIDING REAL WORLD VALUE IN A VIRTUAL WORLD ENVIRONMENT

(76) Inventors: **Scott Edward Thompson**, 720

Wimbledon La., Hatfield, PA (US) 19440; **J. David Thompson**, 410 Goldmine Rd, Sellersville, PA (US)

18960

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 265 days.

(21) Appl. No.: 12/061,188

(22) Filed: Apr. 2, 2008

(65) Prior Publication Data

US 2009/0253475 A1 Oct. 8, 2009

(51) **Int. Cl. G06F 17/00** (2006.01)

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

7,330,834	B1	2/2008	Lapierre
7,386,799	B1 *	6/2008	Clanton et al 715/758
7,484,176	B2*	1/2009	Blattner et al 715/758
7,636,755	B2*	12/2009	Blattner et al 709/206
2003/0115132	A1	6/2003	Iggland et al.
2003/0122858	A1	7/2003	Mauve
2003/0177187	A1	9/2003	Levine
2004/0266505	A1	12/2004	Keam
2005/0192071	A1	9/2005	Matsuno
2005/0192087	A1	9/2005	Friedman

2006/0178180 A1	8/2006	Jung
2006/0234795 A1	10/2006	Dhunjishaw
2007/0013691 A1	1/2007	Jung
2007/0024613 A1	2/2007	Jung
2007/0087820 A1	4/2007	Van Luchene et al.
2007/0087831 A1	4/2007	Van Luchene et al.

(Continued)

FOREIGN PATENT DOCUMENTS

KR 20010093581 10/2001

(Continued)

OTHER PUBLICATIONS

Clark, Don, "Online game hopes to convert virtual cash into real revenue," Wall Street JnI., Jan. 9, 2003.

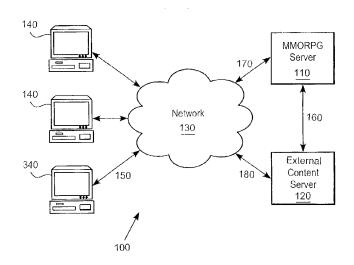
(Continued)

Primary Examiner—Ronald Laneau (74) Attorney, Agent, or Firm—Buchanan Ingersoll & Rooney PC

(57) ABSTRACT

A system and a method is provided wherein real world monetary or cash values are placed on virtual world avatars, avatar possessed or avatar purchasable virtual world items, environmental virtual world items and virtual world computer generated non-player characters (NPCs), such as slayable beasts, monsters, creatures, or humanoids. These NPCs or other avatars (i.e., other players' avatars) have the ability to defeat and collect the cash value of avatars and their gear, thus gaining cash value for the NPC or the avatars. This cash value is then winnable by any avatar with the skill to best the NPC or other avatar. In this system and method, a real world cash value of an avatar is established and can be increased or decreased ased upon the avatar's interaction with other avatars, the virtual world environment and/or a player's investment of real world cash value.

16 Claims, 2 Drawing Sheets





U.S. PATENT DOCUMENTS

2007/0155508	A1	7/2007	Sun	
2007/0197297	A1	8/2007	Witchey	
2007/0218987	A1*	9/2007	Van Luchene et al 463/30)
2008/0004094	A1	1/2008	Mueller	
2009/0132416	A1*	5/2009	Titus et al 705/44	ļ
2010/0121729	A1*	5/2010	Betzler et al 705/26	5

FOREIGN PATENT DOCUMENTS

TW	2000701013 A	1/2007
WO	WO-2006/001776 A1	1/2006
WO	WO-2007/124599 A1	11/2007

OTHER PUBLICATIONS

"Ability to buy in-game items with real-life money," Unofficial World of Warcraft Forums.

 $\label{eq:comparent} \begin{tabular}{ll} ``There,'' www.there.com/parentInfo.html. \\ ``My Maplestory,'' http://ganxiezhu.blogspot.com/2007/01/my-maplestory.html, 2007. \\ \end{tabular}$

Hallett-Hook, Fred, "Real Money Trade and Virtual Ownership in Virtual Worlds," http://www.cs.auckland.ac.nz/courses/ http://www.cs.auckland.ac.nz/courses/ compsci705s1c/assignments/StudentResearchReports/

Virtual%20Worlds%20Money%20Fhal010%20.pdf, Auckland Uni-

Lehdonvirta, Vili, "Real-Money Trade of Virtual Assets: Ten Different User Perceptions," Helsinki Inst. for Info. Techy. HIIT, 2005. Pollitzer, Ben K., "Serious Business: When Virtual Items Gain Real World Value," http://papers.ssrn.com, Dec. 1, 2007.

Matsuda, K., "Can we sell a virtual object in a virtual society?," Presence, Dec. 2003, pp. 581-598, vol. 12, No. 6, MIT Press. "Entropia Universe," MindArk, www.entropiauniverse.com.



[&]quot;Zwinky's virtual cash gets a real-world spin," http://home.zwinky. com/zwinkyhome/main.jhtml.

[&]quot;Linden Dollars," www.second-life.com/linden_dollars.html.

^{*} cited by examiner

Nov. 2, 2010

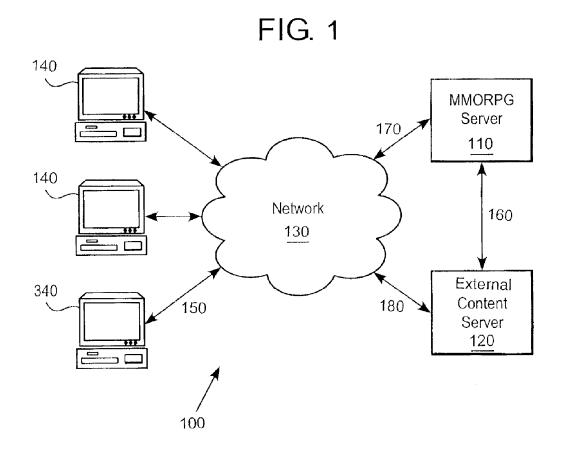
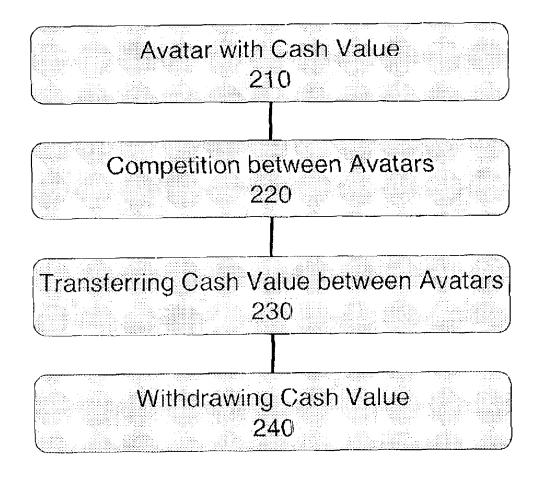


FIG. 2





2

SYSTEM AND METHOD FOR PROVIDING REAL WORLD VALUE IN A VIRTUAL WORLD ENVIRONMENT

Virtual worlds are computer-based simulated environments intended for its players to inhabit and interact via avatars. Avatars in virtual worlds can be virtual images or representations such as humanoids, or any other representation of a player, and can be in the form of two or threedimensional graphical representations. Virtual worlds are 10 generally purposed for interaction between players with one another and with computer-based simulated environments.

Massively Multiplayer Online Role Playing Games (MMORPG) utilize virtual worlds and can include millions of players who often play these games, rather than playing 15 single player stand-alone computer games on their personal console, because of the player interaction. Examples of MMORPGs include Second LifeTM, ThereTM, World of WarcraftTM, and ActiveWorldsTM, etc.

In these virtual worlds, the players within the world prima- 20 rily interact with each other, and interaction with computer systems often occurs to provide tools for interaction between the players. For example, the virtual world platform can be used as a toolbox, wherein the computer system creators, designers, etc. can provide tools to allow the players to build 25 and customize their avatars, as well as items for use by their avatars, such as clothes or houses, etc. Basically, the computer system allows customization of the universe, or "metaverse," as desired by the player within the confines of the computer-based simulated environments.

BRIEF DESCRIPTION OF THE DRAWING **FIGURES**

FIG. 1 illustrates an exemplary embodiment of a computer 35 network including local computers and servers.

FIG. 2 illustrates an exemplary embodiment of a method of providing an online tournament.

SUMMARY

A system and a method is provided wherein real world monetary or cash values are placed on virtual world avatars, avatar possessed or avatar purchasable virtual world items, environmental virtual world items and virtual world com- 45 puter generated non-player characters (NPCs), such as slayable beasts, monsters, creatures, or humanoids. These NPCs or other avatars (i.e., other players' avatars) have the ability to defeat and collect the cash value of avatars and their gear, thus gaining cash value for the NPC or the avatars. This cash value 50 is then winnable by any avatar with the skill to best the NPC or other avatar. In this system and method, a real world cash value of an avatar is established and can be increased or decreased based upon the avatar's interaction with other avatars, the virtual world environment and/or a player's invest- 55 ment of real world cash value.

Additionally, virtual world items, such as weapons, armor, etc., can be assigned or can earn cash values, and thus can be bought from, traded to, taken by, or sold to other avatars. These virtual world items, as well as the cash value of the 60 avatars, can be taken by other avatars through competition and tournaments. In other words, some or all of an avatar's cash value and the avatar's virtual world items can be won or lost to another avatar or a NPC.

Also, an avatar's cash value and virtual world items can be 65 placed in a bank or turned into real world money and withdrawn from the game as desired by a player, wherein the cash

value of that particular avatar can be decreased if desired. Alternatively, real world cash value can be added to an avatar's real world cash value via a real world cash value deposit, for example, or the avatar can acquire virtual world items from other players or the environment, as other examples.

Competitions, such as individual tournaments, can be provided, wherein avatars compete for real world money. In these competitions, for example, at least two individual players enter their avatars into a competition and in the end one of the avatars is declared the champion.

Other competitions, such as head-to-head duels, team vs. team or a free-for-all multiplayer arena, are also contemplated, wherein teams (i.e., two or more avatars) can be formed and can compete for real world money, wherein at least two competitors enter into a team competition, for example, and at least two teams compete using their avatars and in the end one team of avatars is declared the champion.

Victory can be accomplished in several different ways. For example, victory can be achieved by surviving a multiplayer arena type setting, or victory can be achieved by fulfilling a game requirement.

Prize winnings can also vary as desired. For example, avatars can have the ability to enter unique tournaments in which each avatar starts with its own unique bounty value, competes, and wins instant cash that cannot be lost even if the avatar is defeated and regardless of the round of play the avatar leaves the game.

Disclosed is a system for providing real world monetary values in a virtual world environment, comprising: a computer for storing real world monetary values of an avatar; a computer for storing real world monetary values on virtual world items; and a computer for hosting a competition between avatars in a virtual world environment, wherein a first avatar can defeat a second avatar and the real world monetary values and the virtual world items of the second avatar are transferred to the first avatar.

Also disclosed is a method for providing real world monetary values in a virtual world environment, comprising: providing real world monetary values on an avatar; providing 40 real world monetary values on virtual world items; and providing a competition, wherein a first avatar can defeat a second avatar and the real world monetary values and the virtual world items of the second avatar are transferred to the first avatar.

DETAILED DESCRIPTION

As used herein, the terms "player" and "competitor" are synonymous and are utilized to signify a person who is playing on the system provided herein and/or utilizing the method provided herein.

As used herein, the term "avatar" is utilized to signify the virtual world representation of the player or competitor.

As used herein, the terms "real world monetary value," "real world cash value" and "cash value" are synonymous and are utilized to signify actual cash, such as United States dollars or other legal tender.

As used herein, the term "computer" is utilized to signify a computerized system, such as a server, which operates to implement the exemplary embodiment systems and methods described herein.

As used herein, the terms "competition" and "tournament" are utilized to signify player vs. player interactions, such as one-on-one, two-on-two, three-on-three, team play, etc. Competitions and tournaments can be formalized single round or multiple round events or can be informal individual or team activities. Competitions and tournaments can be



DOCKET A L A R M

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

