

(12) United States Patent Kim et al.

US 9,079,105 B2 (10) **Patent No.:** (45) Date of Patent: Jul. 14, 2015

METHOD AND APPARATUS FOR MANAGING TEAM IN ONLINE GAME

(75) Inventors: Jeong Hun Kim, Seoul (KR); Sun Hwa

Choi, Gyeonggi-do (KR); Jae Hyun Choi, Gyeonggi-do (KR); Jong Hee

Han, Seoul (KR)

(73) Assignee: INTELLECTUAL DISCOVERY CO.,

LTD., Seoul (KR)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 13/988,086

(22) PCT Filed: May 22, 2012

(86) PCT No.: PCT/KR2012/004015

§ 371 (c)(1),

(2), (4) Date: May 17, 2013

(87) PCT Pub. No.: WO2013/100277

PCT Pub. Date: Jul. 4, 2013

(65)**Prior Publication Data**

> US 2014/0329594 A1 Nov. 6, 2014

(30)Foreign Application Priority Data

Dec. 29, 2011 (KR) 10-2011-0145977

(51) Int. Cl.

A63F 9/24 A63F 13/30 (2006.01)(2014.01)

(Continued)

(52) U.S. Cl.

CPC A63F 13/12 (2013.01); A63F 13/40 (2014.09); A63F 13/47 (2014.09); A63F 13/50

(2014.09);

(Continued)

(58) Field of Classification Search

CPC . A63F 13/10; A63F 13/12; A63F 2300/5546; A63F 2300/6018; A63F 2300/8005; A63F 2300/8052; A63F 13/40; A63F 13/47; A63F 13/50; A63F 13/52; A63F 13/53; A63F 13/537; A63F 13/5372; A63F 13/5375; A63F 13/828

See application file for complete search history.

(56)References Cited

U.S. PATENT DOCUMENTS

6,155,924 A * 12/2000 Nakagawa et al. 463/4 6,168,519 B1* 1/2001 Nakagawa et al. 463/4 (Continued)

FOREIGN PATENT DOCUMENTS

2004-008578 A 1/2004 KR 10-0367572 B1 12/2002

> (Continued) OTHER PUBLICATIONS

Written Opinion and International Search Report issued in International Application No. PCT/KR2012/004015 mailed Nov. 14, 2012,

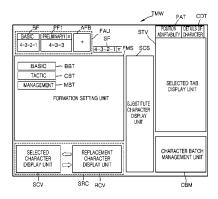
6 pages Primary Examiner — Lawrence Galka

(74) Attorney, Agent, or Firm - Rothwell, Figg, Ernst & Manbeck, P.C.

(57)ABSTRACT

A method for managing a team in an online game includes, by a team management apparatus, configuring a team management screen, displaying the team management screen that contains information on at least one preset formation upon receiving a signal indicating that the user enters the team management screen from the user terminal, setting each information on the at least one formation upon receiving setting related to details of a selected one formation among the at least one formation from the user terminal, judging whether the number of currently set formations is less than a preset maximum number of formations upon receiving a formation addition request signal from the user terminal, and adding the formation if the number of currently set formations is less than the maximum number of formations, and setting a formation change shortcut key.

16 Claims, 13 Drawing Sheets





US 9,079,105 B2

Page 2

(51)	(2014.09); <i>A</i> 13/5375 (201	(2014.01) (2014.01) (2014.01) (2014.01) (2014.01) (2014.01) (2014.01) (2014.01) (2006.01) (2035.01) (2035.01) (2035.01) (2035.01) (2035.01) (2035.01) (2035.01) (2035.01) (2035.01) (2035.01) (2035.01) (2035.01)	6,371,85 6,406,37 6,530,83 8,484,56 2003/008312 2004/024229 2004/02653 2006/005214 2008/028719 2011/012438 2011/03093 2012/005294	2 B1* 4 B2* 4 B1* 8 A1* 4 A1* 5 A1* 7 A1* 6 A1* 0 A1* 2 A1* 3 A1*	6/2002 3/2003 7/2013 5/2003 12/2004 12/2004 3/2006 11/2008 5/2011 12/2011 3/2012	Gavriloff 463/42 Turmell et al. 463/43 Kondo 463/4 Marti et al. 715/733 Mifune et al. 463/3 Reeves 463/42 Matthews 463/42 Miki et al. 463/42 Kondo et al. 463/42 Henderson 463/30 Tsunashima et al. 463/31
(56)	Refere	nces Cited	KR 20 KR		0902 A 9383 B1	4/2003 10/2006
U.S. PATENT DOCUMENTS						
6,280,323 B1* 8/2001 Yamazaki et al 463/4			* cited by examiner			



Jul. 14, 2015

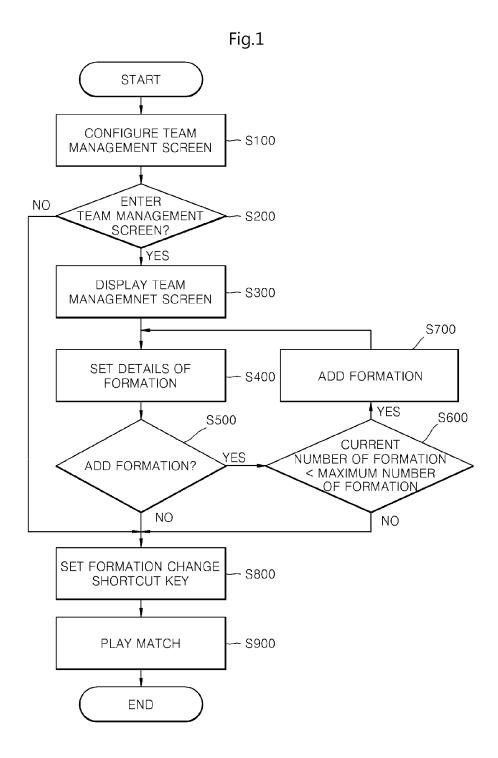
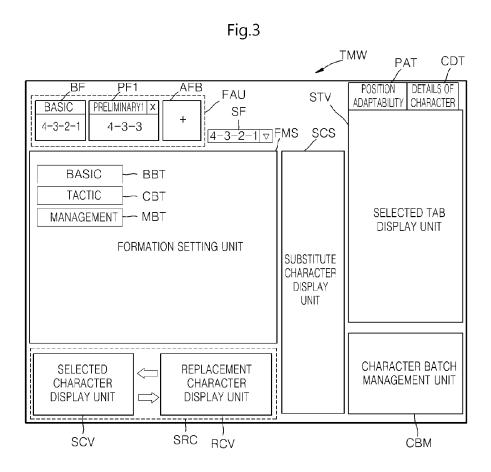




Fig.2 S200 -S310 DISPLAY FORMATION ADDITION UNIT -S320 DISPLAY FORMATION SELECTION UNIT DISPLAY FORMATION SETTING UNIT -S330 DISPLAY REPLACEMENT -S340 INFORMATION DISPLAY UNIT **DISPLAY SUBSTITUTE** ~S350 CHARACTER DISPLAY UNIT DISPLAY POSITION ADAPTIBILITY -S360 DISPLAY DETAILED CHARACTER -S370 **INFORMATION DISPLAY CHARACTER** -S380 MANAGEMENT MENU S400



Jul. 14, 2015



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.

