



US009079105B2

(12) **United States Patent**
Kim et al.

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

(54) **METHOD AND APPARATUS FOR MANAGING TEAM IN ONLINE GAME**

(75) Inventors: **Jeong Hun Kim**, Seoul (KR); **Sun Hwa Choi**, Gyeonggi-do (KR); **Jaehyun 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 (2006.01)
A63F 13/30 (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

JP 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.

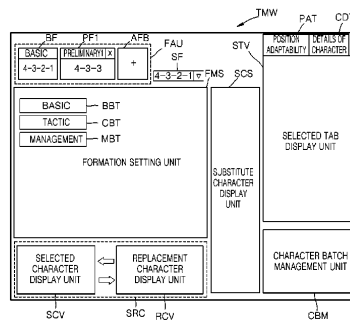
Primary Examiner — Lawrence Galka

(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



(51)	Int. Cl.		6,371,855 B1 *	4/2002	Gavriloff	463/42
	<i>A63F 13/40</i>	(2014.01)	6,406,372 B1 *	6/2002	Turmell et al.	463/43
	<i>A63F 13/50</i>	(2014.01)	6,530,834 B2 *	3/2003	Kondo	463/4
	<i>A63F 13/5372</i>	(2014.01)	8,484,564 B1 *	7/2013	Marti et al.	715/733
	<i>A63F 13/537</i>	(2014.01)	2003/0083128 A1 *	5/2003	Mifune et al.	463/31
	<i>A63F 13/5375</i>	(2014.01)	2004/0242294 A1 *	12/2004	Shiozawa	463/9
	<i>A63F 13/828</i>	(2014.01)	2004/0266535 A1 *	12/2004	Reeves	463/42
	<i>A63F 13/47</i>	(2014.01)	2006/0052147 A1 *	3/2006	Matthews	463/4
	<i>A63F 13/53</i>	(2014.01)	2008/0287196 A1 *	11/2008	Miki et al.	463/42
	<i>G07F 17/32</i>	(2006.01)	2011/0124386 A1 *	5/2011	Kondo et al.	463/4
			2011/0294580 A1 *	12/2011	Nakamura et al.	463/42
(52)	U.S. Cl.		2011/0300932 A1 *	12/2011	Henderson	463/30
	CPC	<i>A63F 13/53</i> (2014.09); <i>A63F 13/537</i> (2014.09); <i>A63F 13/5372</i> (2014.09); <i>A63F</i> <i>13/5375</i> (2014.09); <i>A63F 13/828</i> (2014.09); <i>G07F 17/3274</i> (2013.01); <i>A63F 2300/57</i> (2013.01)			Tsunashima et al.	463/31
			FOREIGN PATENT DOCUMENTS			

(56)	References Cited		KR	2003-0030902 A	4/2003
			KR	10-0639383 B1	10/2006

U.S. PATENT DOCUMENTS

6,280,323 B1 * 8/2001 Yamazaki et al. 463/4 * cited by examiner

Fig.1

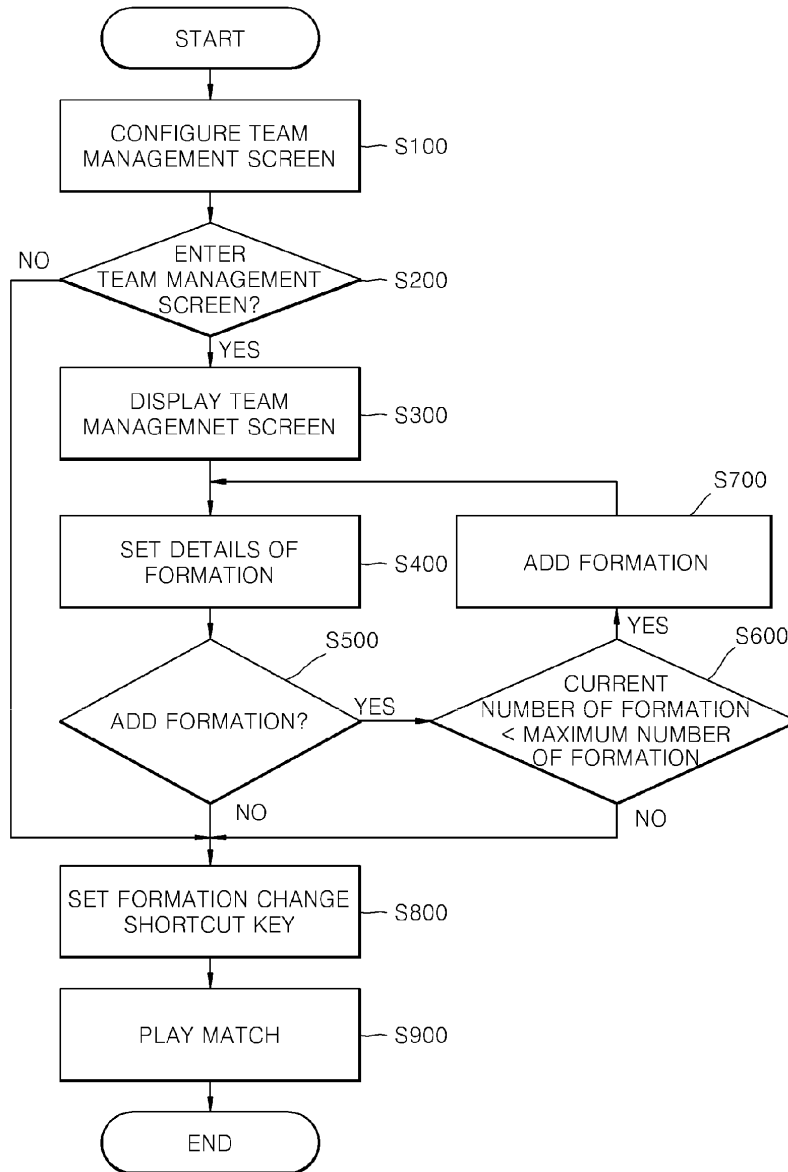


Fig.2

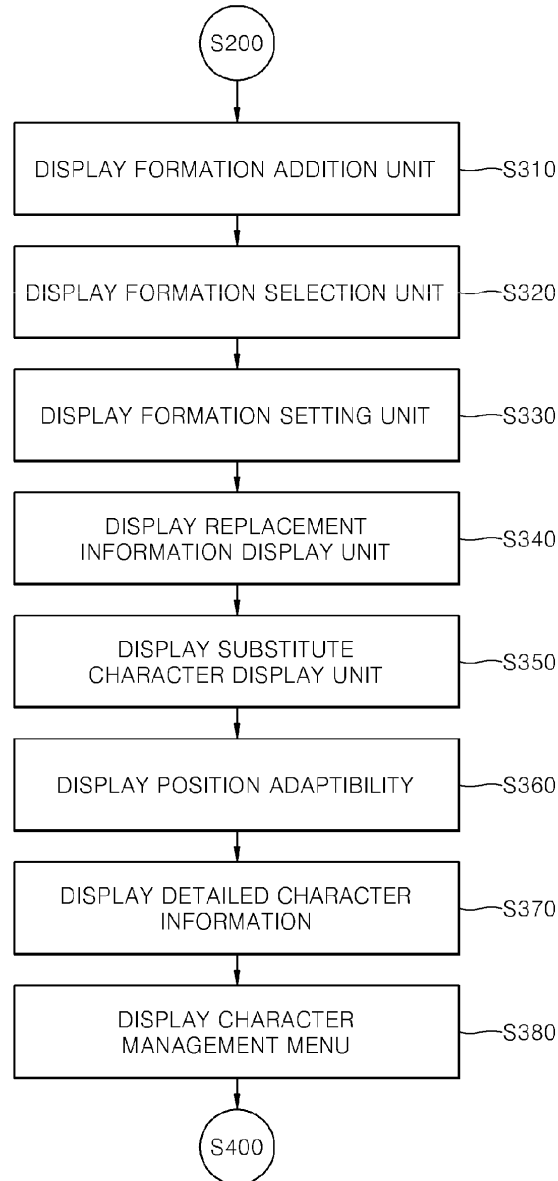
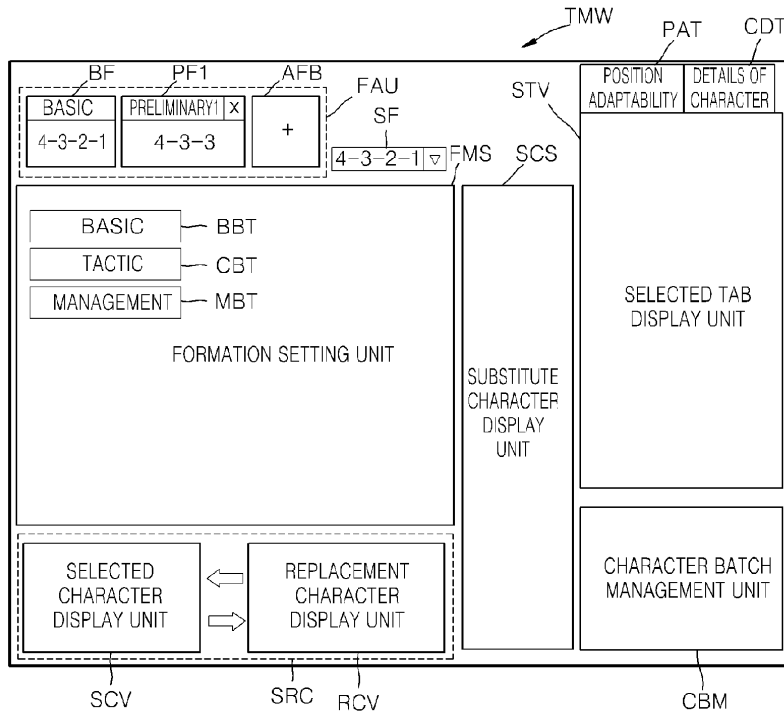


Fig.3



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.