

EXHIBIT 4



US008402179B1

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

(10) **Patent No.:** **US 8,402,179 B1**
(45) **Date of Patent:** **Mar. 19, 2013**

- (54) **EVENT NOTIFICATION SYSTEM AND METHOD**
- (75) Inventors: **Paulo Taylor**, Amsterdam (NL);
Jan-Joost Rueb, Amsterdam (NL);
Onno Bakker, Amsterdam (NL)
- (73) Assignee: **Ebuddy Holding B.V.**, Amsterdam (NL)
- (*) 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.: **13/554,996**
- (22) Filed: **Jul. 20, 2012**

7,933,957	B2	4/2011	Daniell et al.
8,037,212	B2	10/2011	Taylor et al.
8,135,774	B2	3/2012	Ryabchun et al.
2001/0026231	A1	10/2001	Satoh
2002/0063735	A1	5/2002	Tamir et al.
2002/0091770	A1	7/2002	Takakura et al.
2002/0143916	A1	10/2002	Mendiola et al.
2003/0028597	A1	2/2003	Saimi et al.
2003/0076367	A1	4/2003	Bencze et al.
2003/0088676	A1	5/2003	Smith et al.
2003/0131061	A1	7/2003	Newton et al.
2003/0210265	A1	11/2003	Haimberg
2003/0222907	A1	12/2003	Heikes et al.
2003/0225846	A1	12/2003	Heikes et al.
2004/0010808	A1	1/2004	DeCarmo
2004/0015547	A1	1/2004	Griffin et al.
2004/0054646	A1	3/2004	Daniell et al.
2004/0054802	A1	3/2004	Beauchamp et al.
2004/0158609	A1	8/2004	Daniell et al.
2004/0158610	A1	8/2004	Davis et al.
2004/0221224	A1	11/2004	Blattner et al.
2004/0243941	A1	12/2004	Fish
2005/0080867	A1	4/2005	Malik et al.
2005/0097061	A1	5/2005	Shapiro et al.
2005/0108341	A1	5/2005	Mathew et al.
2005/0114454	A1	5/2005	D'Angelo et al.
2005/0187781	A1	8/2005	Christensen
2005/0259656	A1	11/2005	Dollar et al.

Related U.S. Application Data

- (63) Continuation of application No. 13/165,709, filed on Jun. 21, 2011, now Pat. No. 8,230,135.
- (51) **Int. Cl.**
G06F 3/00 (2006.01)
G06F 13/00 (2006.01)
- (52) **U.S. Cl.** **710/30; 710/2; 710/5; 710/8; 710/15**
- (58) **Field of Classification Search** None
See application file for complete search history.

Primary Examiner — Scott Sun
(74) *Attorney, Agent, or Firm* — Sheppard, Mullin, Richter & Hampton LLP

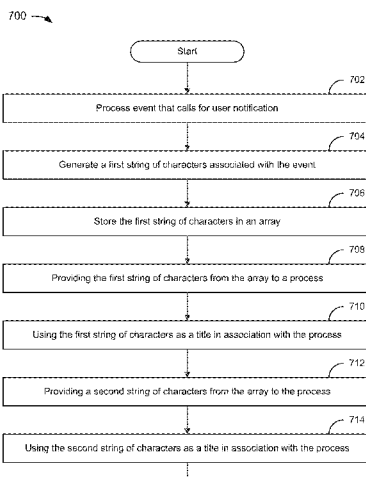
(56) **References Cited**

U.S. PATENT DOCUMENTS		
6,415,318	B1	7/2002 Aggarwal et al.
6,484,196	B1	11/2002 Maurille
6,571,234	B1	5/2003 Knight et al.
6,993,327	B2	1/2006 Mathis
7,042,879	B2	5/2006 Eschbach et al.
7,389,324	B2	6/2008 Masonis et al.
7,426,382	B2	9/2008 Aerrabotu et al.
7,496,379	B2	2/2009 Kaplan et al.
7,512,619	B2	3/2009 Burkhardt
7,523,138	B2	4/2009 Gruhl et al.
7,636,755	B2	12/2009 Blattner et al.
7,730,144	B2	6/2010 Taylor et al.
7,779,076	B2	8/2010 Heikes et al.

(57) **ABSTRACT**

A technique for user notification involves modifying a title associated with a process to include information about an event that calls for user notification. A method according to the technique may include running a process, processing an event, generating a string of characters that includes information associated with the event, and displaying the string of characters as a title associated with the process. A system constructed according to the technique may include a client, a title array, an event processing engine, and a title provisioning engine.

20 Claims, 11 Drawing Sheets



US 8,402,179 B1

Page 2

U.S. PATENT DOCUMENTS			
2005/0268237	A1	12/2005	Crane et al.
2006/0080392	A1	4/2006	Kawakami et al.
2006/0095562	A1	5/2006	Agarwal et al.
2006/0168054	A1	7/2006	Burkhart et al.
2006/0248157	A1	11/2006	Daniell et al.
2006/0256816	A1	11/2006	Yarlagadda et al.
2006/0265381	A1	11/2006	Altaf et al.
2006/0268828	A1	11/2006	Yarlagadda
2006/0271630	A1	11/2006	Bensky et al.
2006/0277053	A1	12/2006	Lobb et al.
2007/0043878	A1	2/2007	Carlson et al.
2007/0135099	A1	6/2007	Taylor et al.
2007/0136419	A1	6/2007	Taylor et al.
2007/0168451	A1	7/2007	Taylor et al.
2007/0168529	A1	7/2007	Taylor et al.
2007/0168558	A1	7/2007	Taylor et al.
2007/0192479	A1	8/2007	Felten
2008/0182559	A1	7/2008	Pyhalammi et al.
2009/0125591	A1	5/2009	Kirkpatrick
2010/0099421	A1	4/2010	Patel et al.
2010/0228747	A1	9/2010	Taylor et al.
2010/0325222	A1	12/2010	Taylor et al.

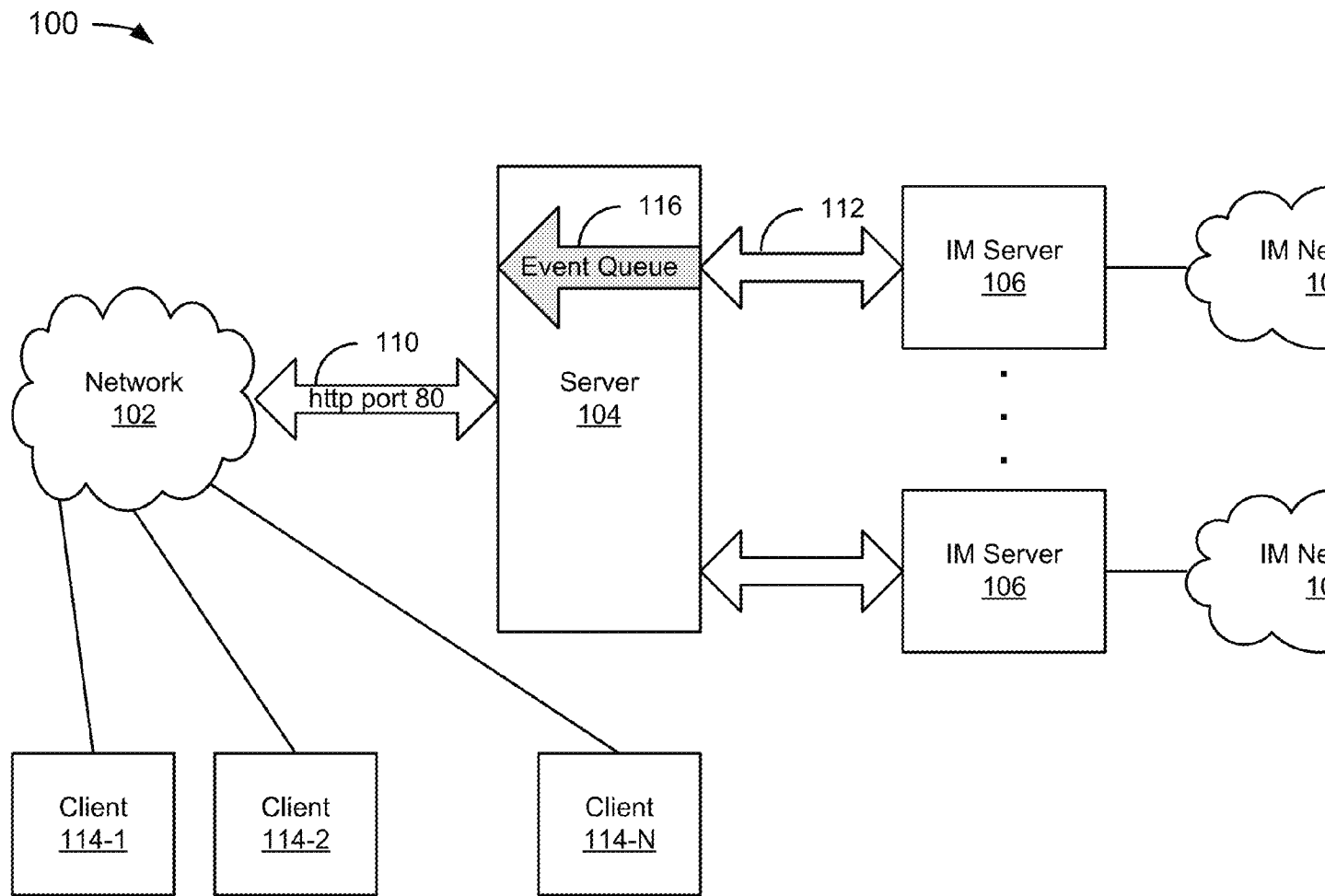


FIG. 1

200 →

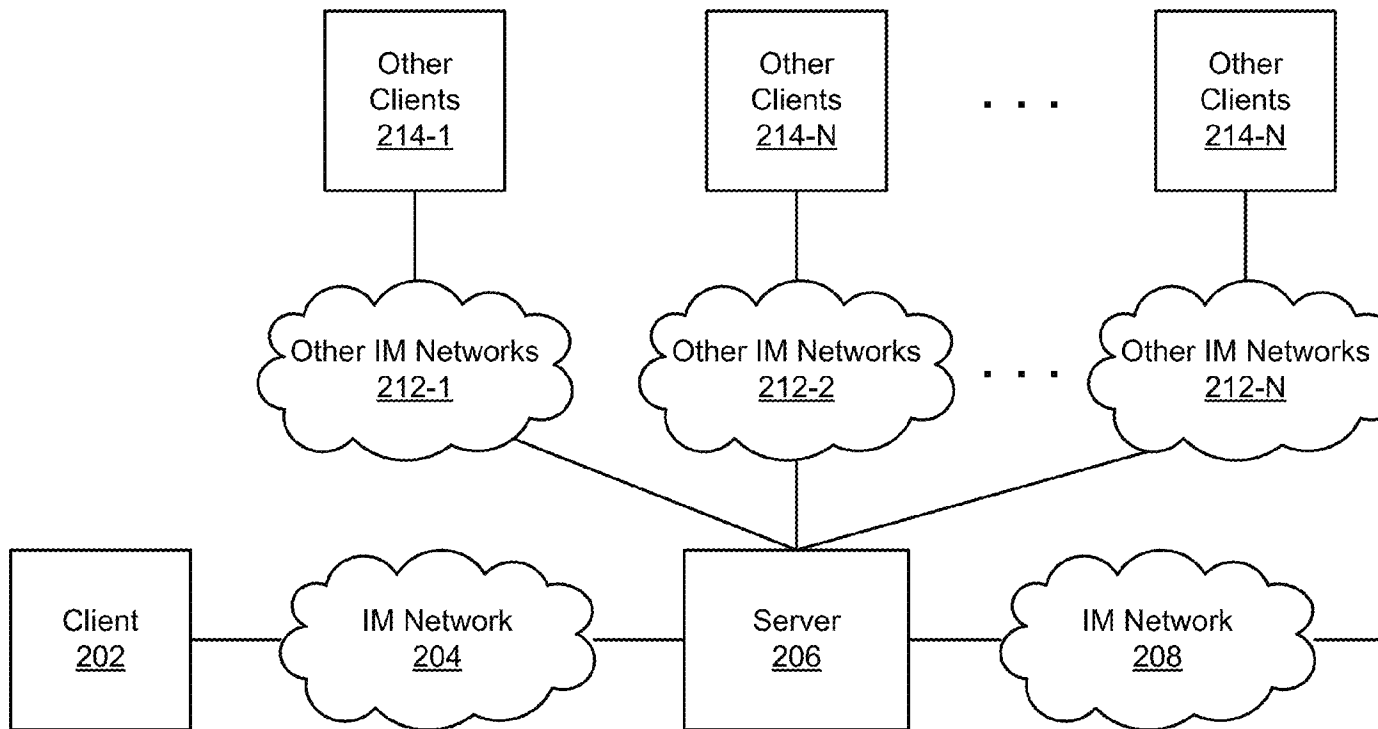


FIG. 2

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.