

EXHIBIT B



US009432452B2

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

(10) **Patent No.:** **US 9,432,452 B2**

(45) **Date of Patent:** **Aug. 30, 2016**

(54) **SYSTEMS AND METHODS FOR DYNAMIC NETWORKED PEER-TO-PEER CONTENT DISTRIBUTION**

(56) **References Cited**

U.S. PATENT DOCUMENTS

(71) Applicants: **William James Gibson**, Apex, NC (US); **Juan Royston Benito**, Raleigh, NC (US); **Jason Philip Henry Bradicich**, Apex, NC (US)

(72) Inventors: **William James Gibson**, Apex, NC (US); **Juan Royston Benito**, Raleigh, NC (US); **Jason Philip Henry Bradicich**, Apex, NC (US)

(73) Assignee: **Joosy, Inc.**, Raleigh, NC (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 196 days.

(21) Appl. No.: **14/023,172**

(22) Filed: **Sep. 10, 2013**

(65) **Prior Publication Data**

US 2014/0074991 A1 Mar. 13, 2014

Related U.S. Application Data

(60) Provisional application No. 61/699,083, filed on Sep. 10, 2012.

(51) **Int. Cl.**
G06F 15/16 (2006.01)
H04L 29/08 (2006.01)

(52) **U.S. Cl.**
CPC **H04L 67/104** (2013.01); **H04L 67/06** (2013.01); **H04L 67/1021** (2013.01); **H04L 67/1074** (2013.01); **H04L 67/1044** (2013.01)

(58) **Field of Classification Search**
CPC . H04L 67/104; H04L 67/1074; H04L 67/06; H04L 67/1044
USPC 709/219
See application file for complete search history.

6,857,012 B2	2/2005	Sim et al.	
7,149,797 B1 *	12/2006	Weller	G06Q 40/04 370/254
7,512,943 B2	3/2009	Hester et al.	
7,567,987 B2	7/2009	Shapell et al.	
7,594,030 B2	9/2009	Teodosiu et al.	
7,603,464 B2	10/2009	White et al.	
7,672,235 B1 *	3/2010	Lian et al.	370/230
7,903,652 B2	3/2011	Huang et al.	
8,073,978 B2 *	12/2011	Sengupta	G06F 17/30864 370/401
8,122,098 B1	2/2012	Richardson et al.	
8,166,154 B2	4/2012	Choi	
2004/0246921 A1	12/2004	Bates et al.	
2004/0249888 A1	12/2004	Berkey et al.	
2005/0216473 A1 *	9/2005	Aoyagi et al.	707/10
2006/0031537 A1	2/2006	Boutboul et al.	
2006/0265401 A1	11/2006	Edmond et al.	
2007/0214207 A1 *	9/2007	Xie et al.	709/201
2008/0189617 A1	8/2008	Covell et al.	
2008/0273541 A1 *	11/2008	Pharn	370/400
2009/0055461 A1	2/2009	Georgis et al.	
2009/0083390 A1 *	3/2009	Abu-Ghazaleh et al.	709/209
2010/0070570 A1	3/2010	Lepeska	
2010/0198992 A1	8/2010	Morrison et al.	
2011/0128889 A1 *	6/2011	Liao et al.	370/255
2011/0271275 A1 *	11/2011	Ochi et al.	717/177
2012/0102535 A1	4/2012	Weintraub et al.	
2012/0191778 A1	7/2012	Kim et al.	
2012/0221646 A1	8/2012	Ciminiera et al.	
2012/0221647 A1	8/2012	Ciminiera et al.	

* cited by examiner

Primary Examiner — Viet Vu

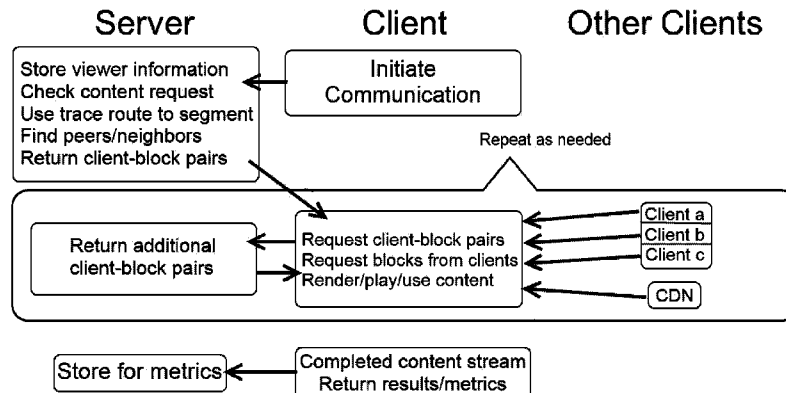
Assistant Examiner — Herman Belcher

(74) *Attorney, Agent, or Firm* — Triangle Patents, PLLC

(57) **ABSTRACT**

Peer-to-peer (P2P) dynamic networks and/or sub-networks for file distribution between peers receiving the same content, wherein nodes are outside controlled networks and/or content distribution networks (CDNs), and wherein large data files are distributed or shared across and among the peer nodes.

15 Claims, 14 Drawing Sheets



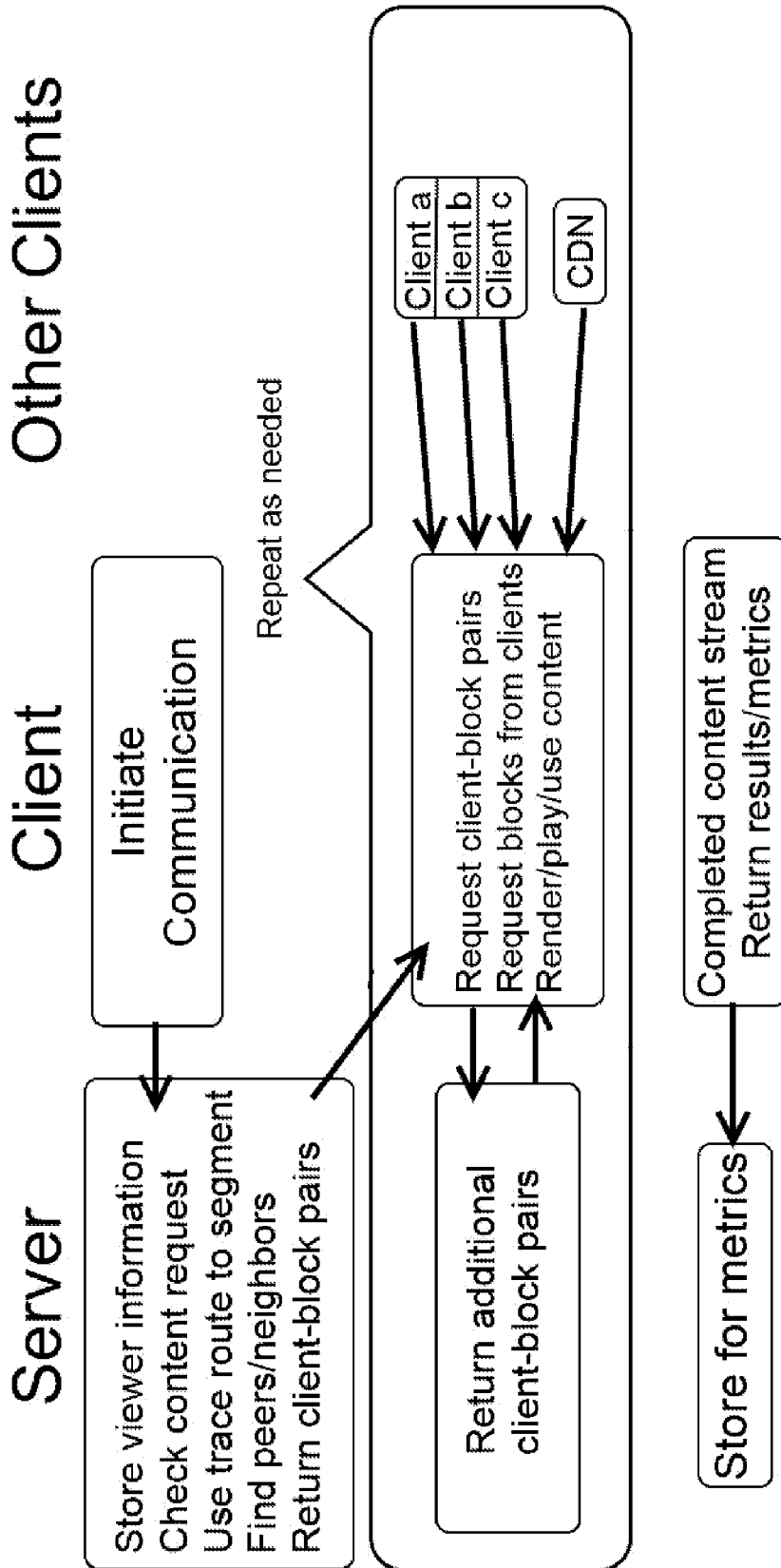


Fig. 1

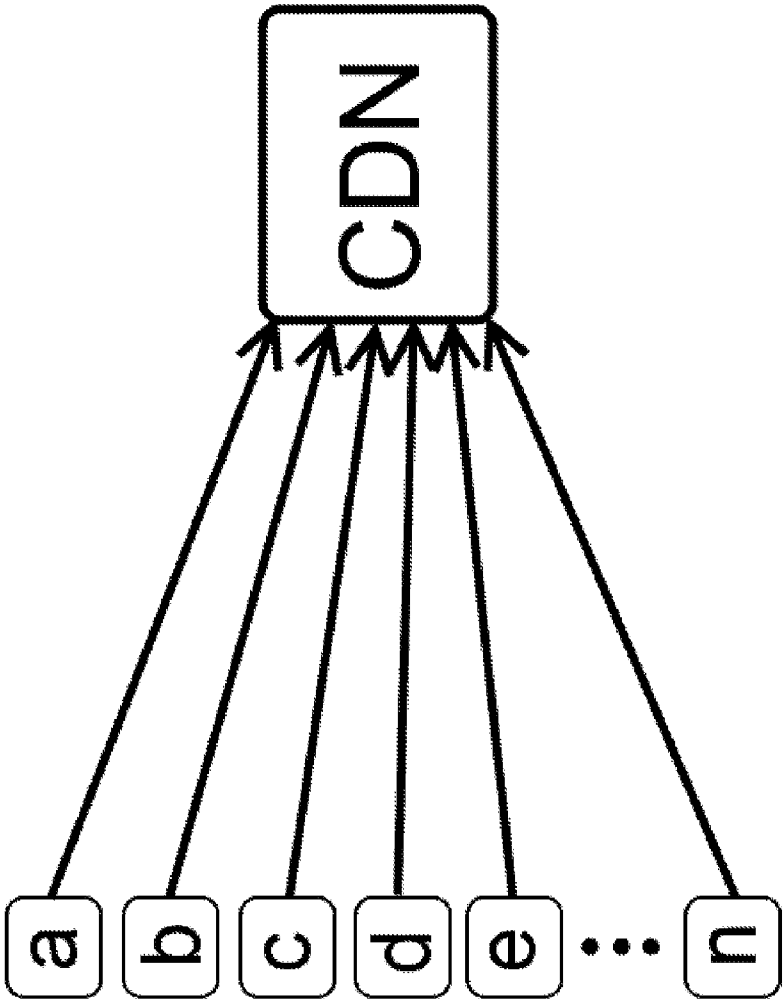


Fig. 2

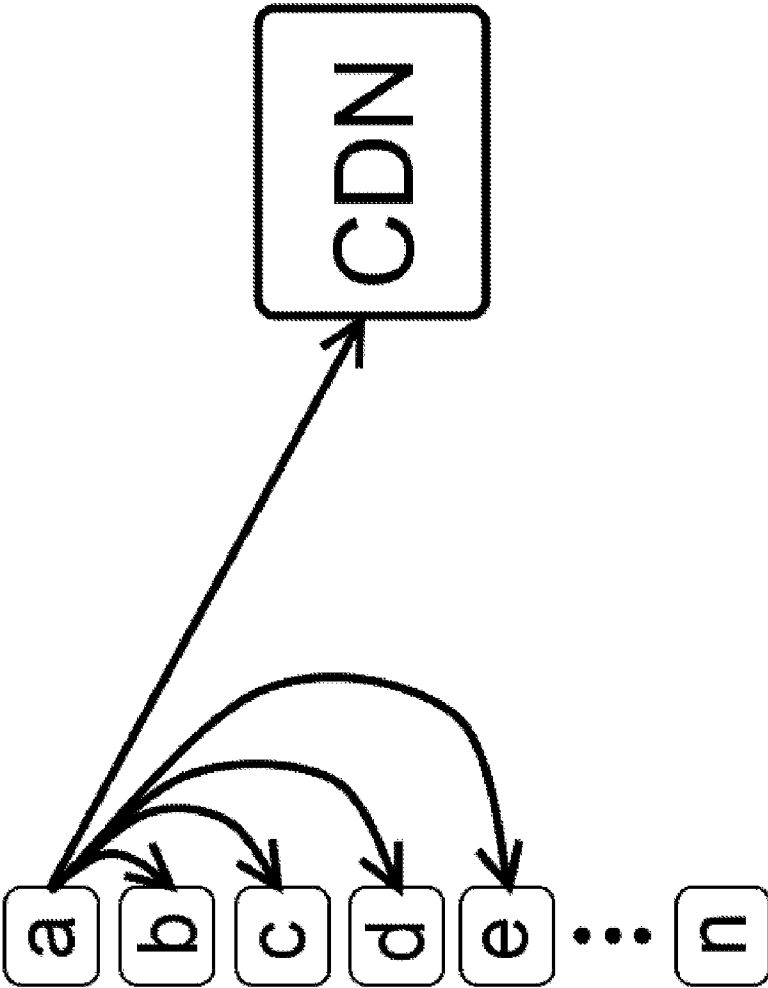


Fig. 3

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.