US006324279B1

(12) **United States Patent**
Kalmanek, Jr. et al.

(10) **Patent No.: US 6,324,279 B1**
(45) **Date of Patent: Nov. 27, 2001**

(54) **METHOD FOR EXCHANGING SIGNALING MESSAGES IN TWO PHASES**

(75) Inventors: **Charles Robert Kalmanek, Jr.**, Short Hills; **William Todd Marshall**, Chatham; **Partho Pratim Mishra**, Summit; **Douglas M Nortz**, Red Bank; **Kadangode K. Ramakrishnan**, Berkeley Heights, all of NJ (US)

(73) Assignee: **AT&T Corp.**, New York, NY (US)

(*) 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.: **09/366,676**

(22) Filed: **Aug. 4, 1999**

Related U.S. Application Data

(60) Provisional application No. 60/104,878, filed on Oct. 20, 1998, and provisional application No. 60/095,288, filed on Aug. 4, 1998.

(51) **Int. Cl.**[7] **H04M 7/00**; H04M 3/42; H04L 12/56; H04L 12/58

(52) **U.S. Cl.** **379/229**; 370/389; 370/401; 379/207; 379/230

(58) **Field of Search** 370/389, 392, 370/400, 401; 379/201, 202, 203, 204, 205, 206, 207, 211, 212, 215, 229, 230

(56) **References Cited**

PUBLICATIONS

Michelle Blank, "H.323 Gatekeepers Essential Software for IP Telephony and Multimedia Conferencing", CTI Developer, Feb. 1998, pp. 94–98.

Shykeh Gordon, Radvision, Inc., "H.323 The Multimedia Communications Standard moves from Consensus to Compliance", CTI Developer, vol. 2(2), pp. 108, 110–113.

VCON Inc., "H.323 Standard", Jan. 1998, pp. 1–22.

R. Braden Ed. et al., Standards Track, Resource ReSerVation Protocol (RSVP), Version 1 Functional Specification, Sep. 1997, pp. 1–92, http://www.cis.ohio–state.edu/htbin/rfc/rfc2205.html.

Thom G A: "H. 323: The Multimedia Communications Standard for Local Area Networks", IEEE Communications Magazine, US, IEEE Service Center, Piscataway, NJ, vol. 34, no. 12, Dec. 1996.*

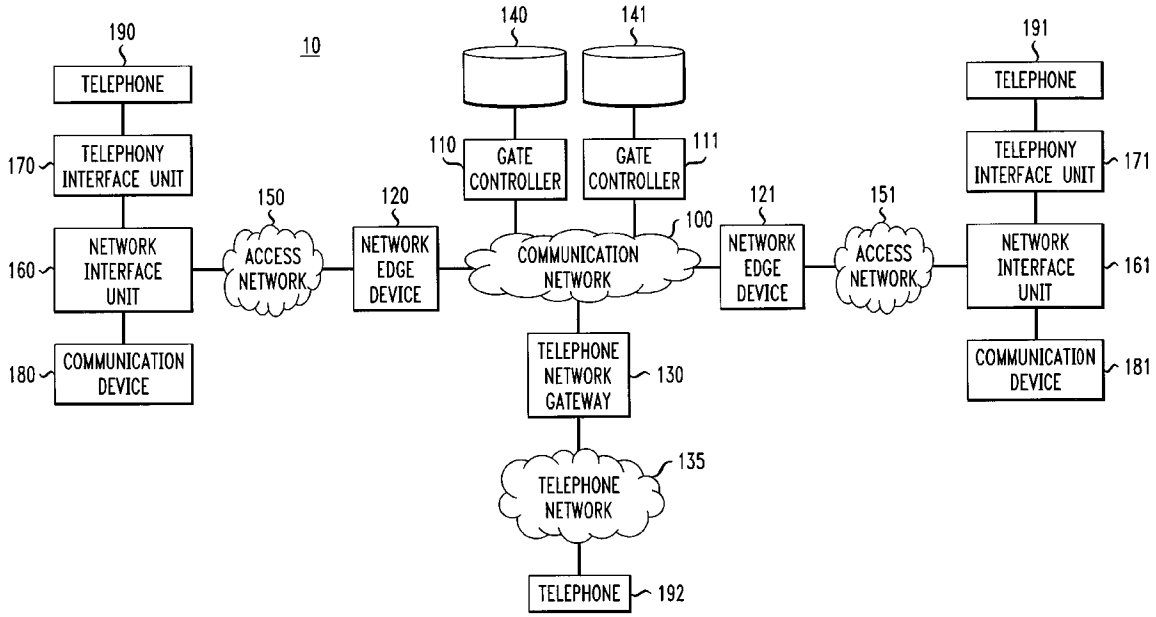
* cited by examiner

Primary Examiner—Harry S. Hong

(57) **ABSTRACT**

Signaling messages are exchanged for a call between a calling party to a called party. A setup message for the call is exchanged through at least one gate controller. Network resources are reserved for the call based on the exchanged setup messages. An end-to-end message for the call is exchanged without the end-to-end message being routed through the at least one gate controller.

60 Claims, 28 Drawing Sheets



DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

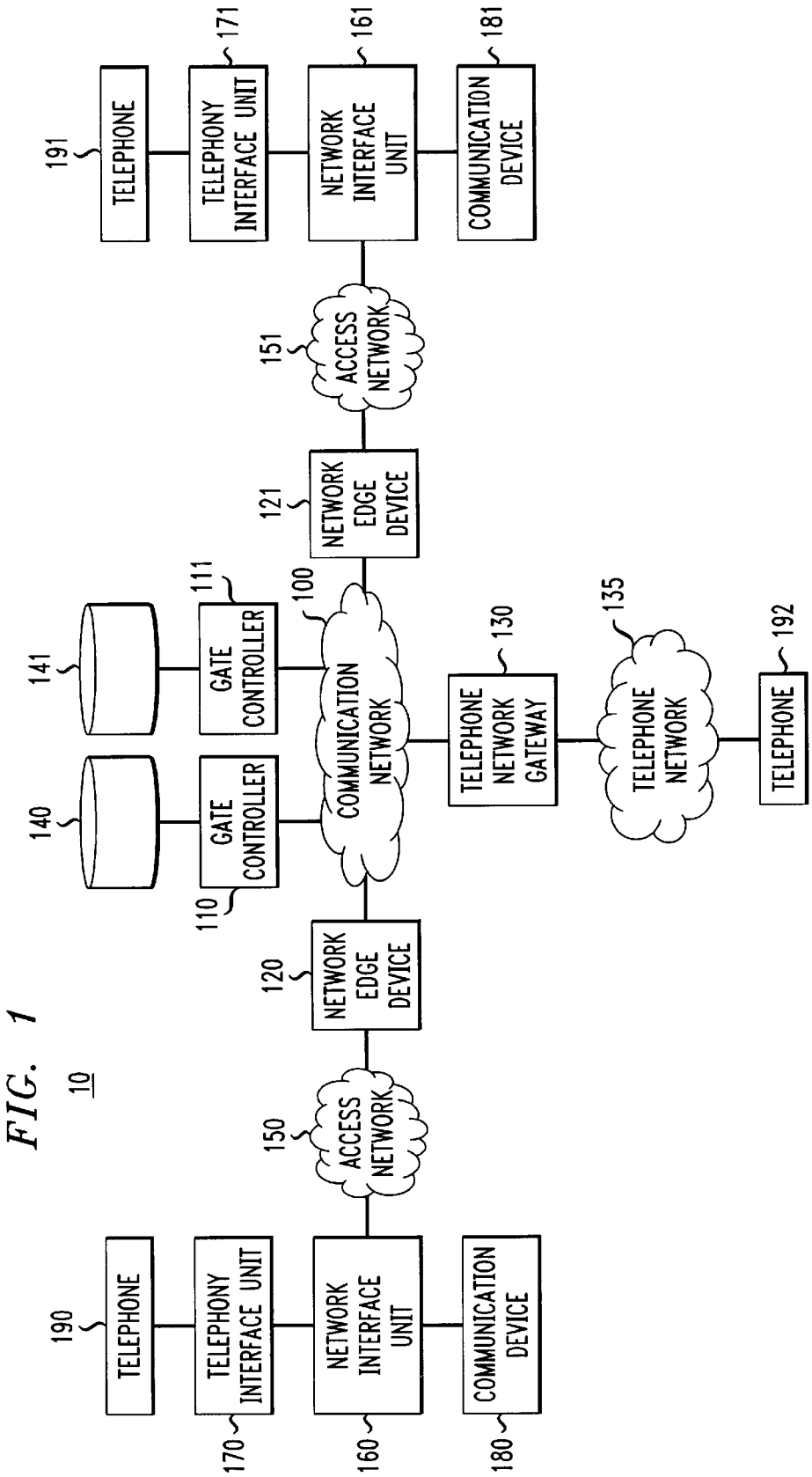
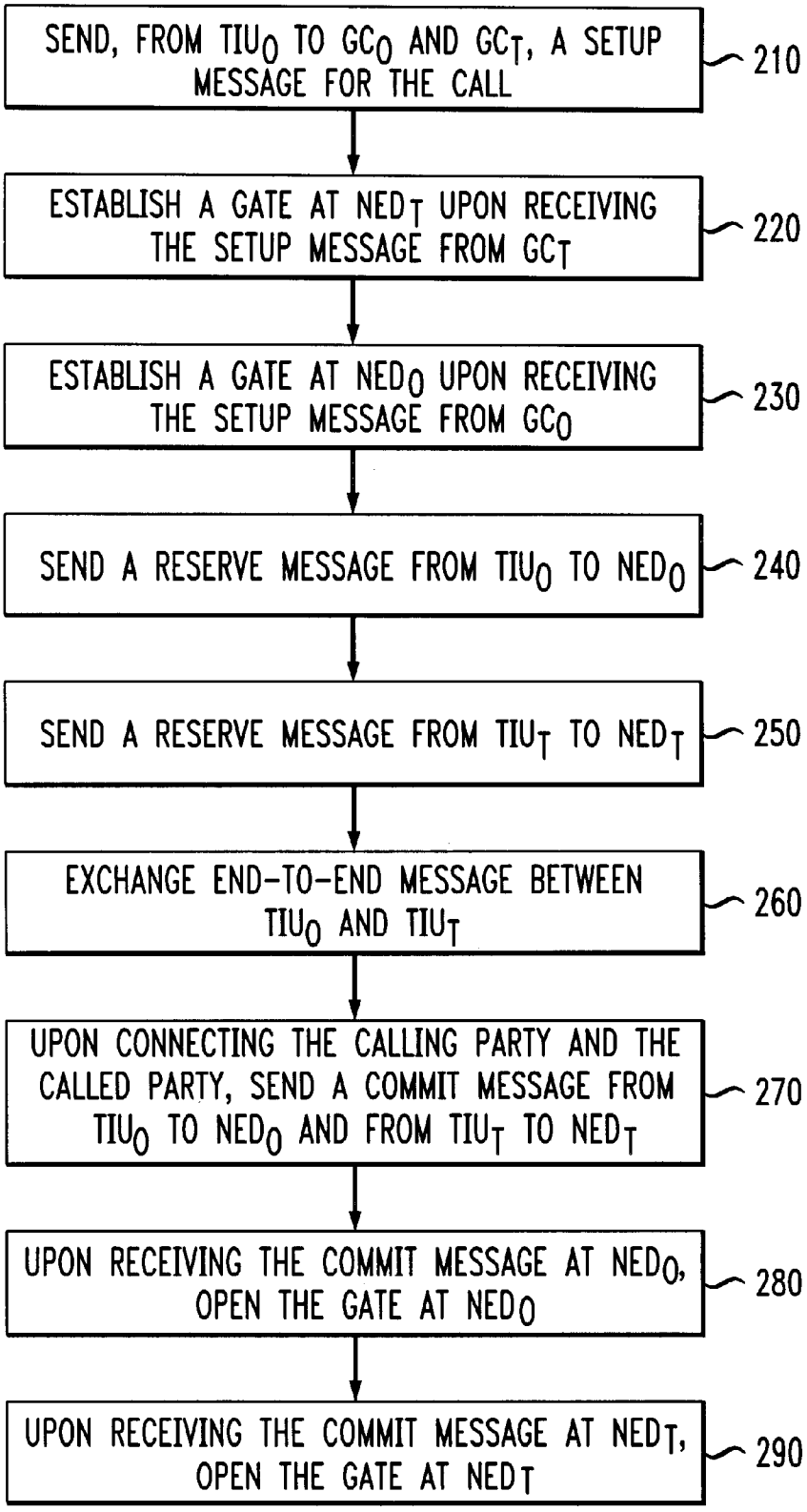


FIG. 1

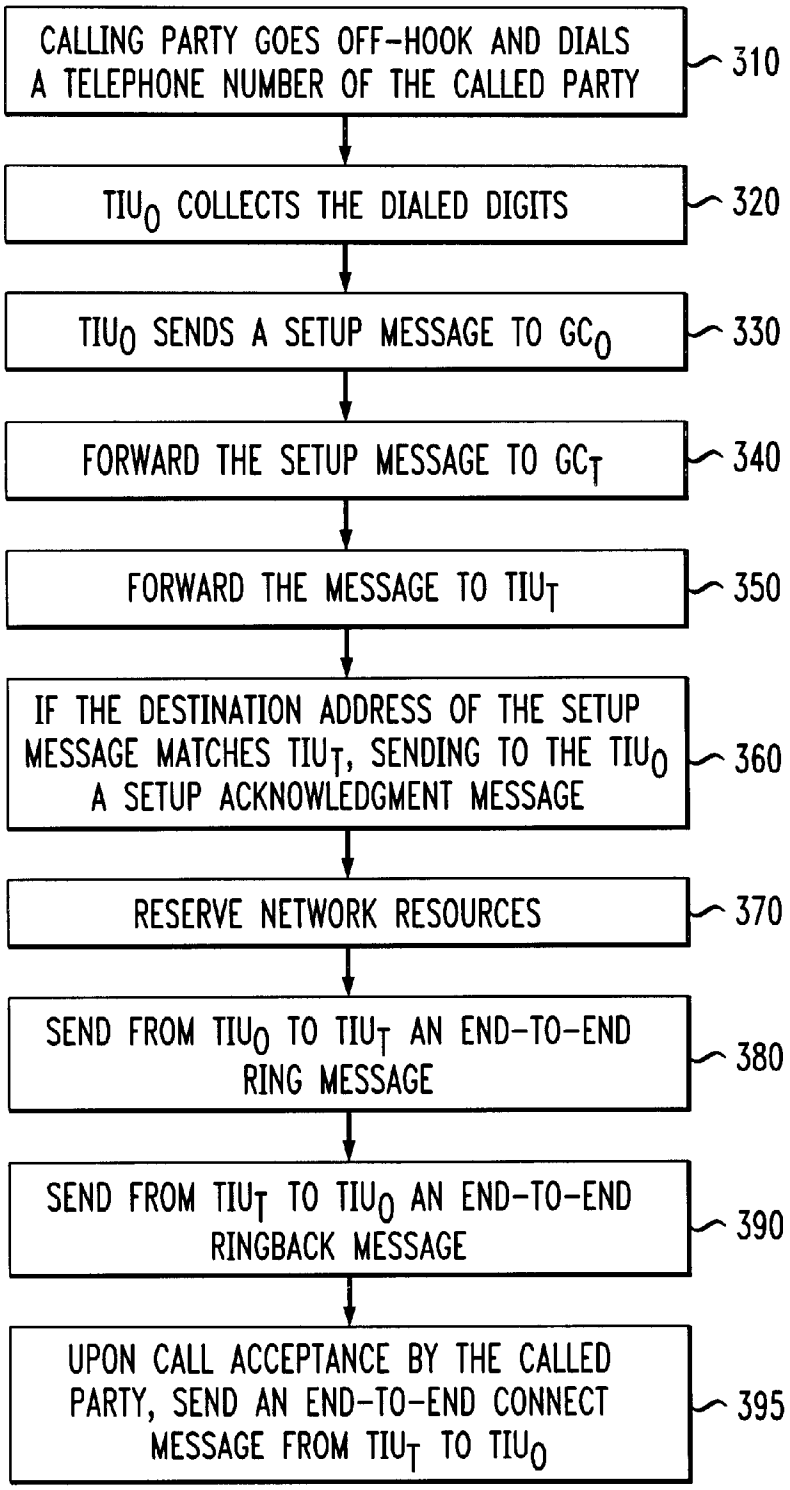
DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

FIG. 2



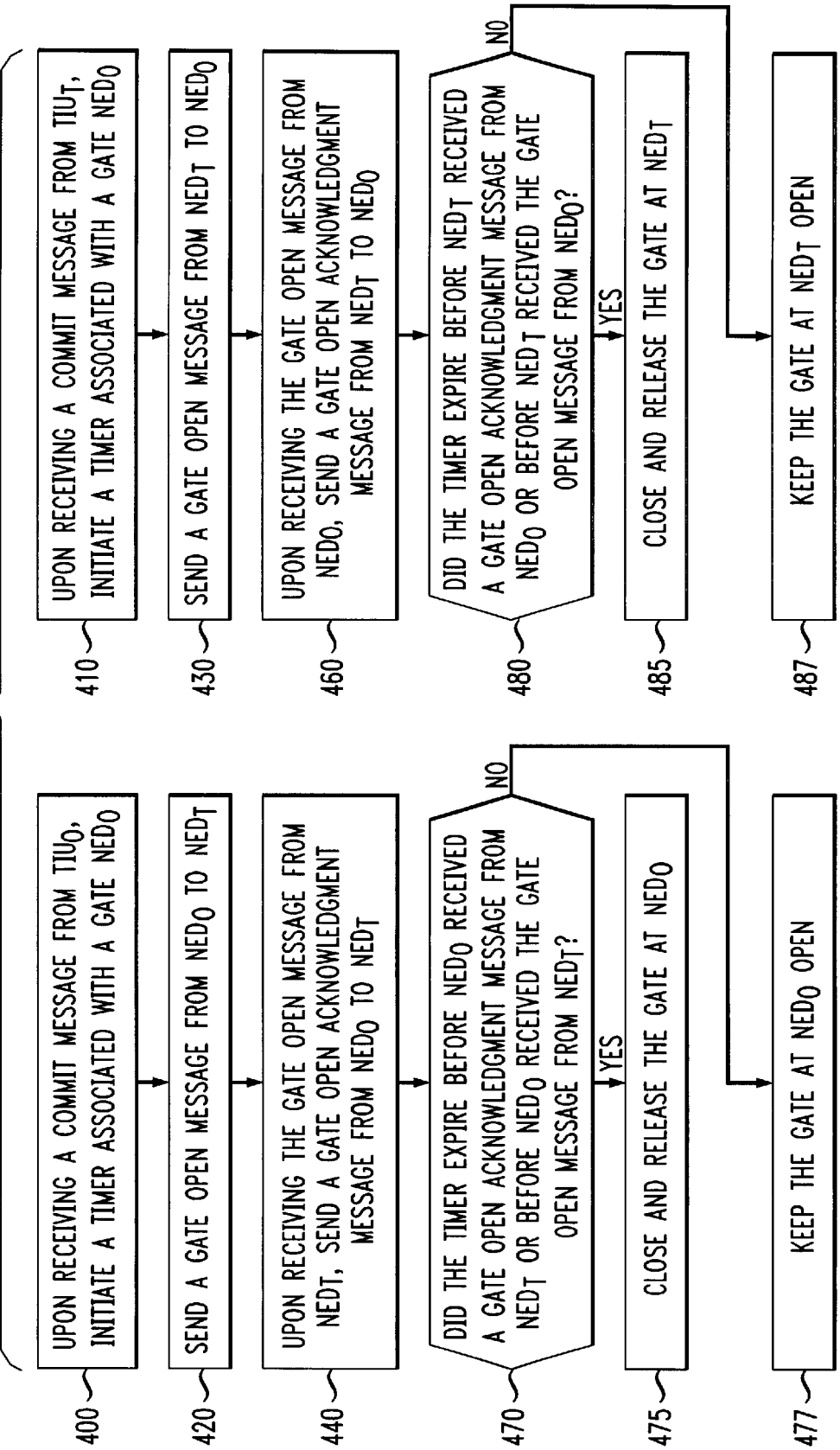
DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

FIG. 3



DOCKET ALARM Find authenticated court documents without watermarks at docketalarm.com.

FIG. 4



DOCKET ALARM Find authenticated court documents without watermarks at docketalarm.com.

DOCKET ALARM

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.