



US 20040223455A1

(19) **United States**

(12) **Patent Application Publication**
Fong et al.

(10) **Pub. No.: US 2004/0223455 A1**

(43) **Pub. Date: Nov. 11, 2004**

(54) **COMMUNICATING IN A REVERSE WIRELESS LINK INFORMATION RELATING TO BUFFER STATUS AND DATA RATE OF A MOBILE STATION**

(75) Inventors: **Mo-Han Fong**, L'Original (CA); **Jun Li**, Richardson, TX (US); **Sophie S. Vrzic**, Nepean (CA); **Ali Iraqi**, Kanata (CA); **Ashvin H. Chheda**, Plano, TX (US)

Correspondence Address:
TROP PRUNER & HU, PC
8554 KATY FREEWAY
SUITE 100
HOUSTON, TX 77024 (US)

(73) Assignee: **Nortel Networks Limited**, St. Laurent (CA)

(21) Appl. No.: **10/800,119**

(22) Filed: **Mar. 12, 2004**

on May 9, 2003. Provisional application No. 60/469,778, filed on May 12, 2003. Provisional application No. 60/475,440, filed on Jun. 3, 2003. Provisional application No. 60/478,792, filed on Jun. 16, 2003. Provisional application No. 60/495,544, filed on Aug. 15, 2003. Provisional application No. 60/499,584, filed on Sep. 2, 2003. Provisional application No. 60/452,370, filed on Mar. 6, 2003. Provisional application No. 60/454,714, filed on Mar. 15, 2003. Provisional application No. 60/457,215, filed on Mar. 25, 2003. Provisional application No. 60/459,534, filed on Apr. 1, 2003. Provisional application No. 60/462,220, filed on Apr. 11, 2003. Provisional application No. 60/468,442, filed on May 6, 2003. Provisional application No. 60/469,106, filed on May 9, 2003. Provisional application No. 60/469,778, filed on May 12, 2003. Provisional application No. 60/475,440, filed on Jun. 3, 2003. Provisional application No. 60/478,792, filed on Jun. 16, 2003. Provisional application No. 60/495,544, filed on Aug. 15, 2003. Provisional application No. 60/499,584, filed on Sep. 2, 2003.

Related U.S. Application Data

(63) Continuation-in-part of application No. 10/793,056, filed on Mar. 4, 2004.

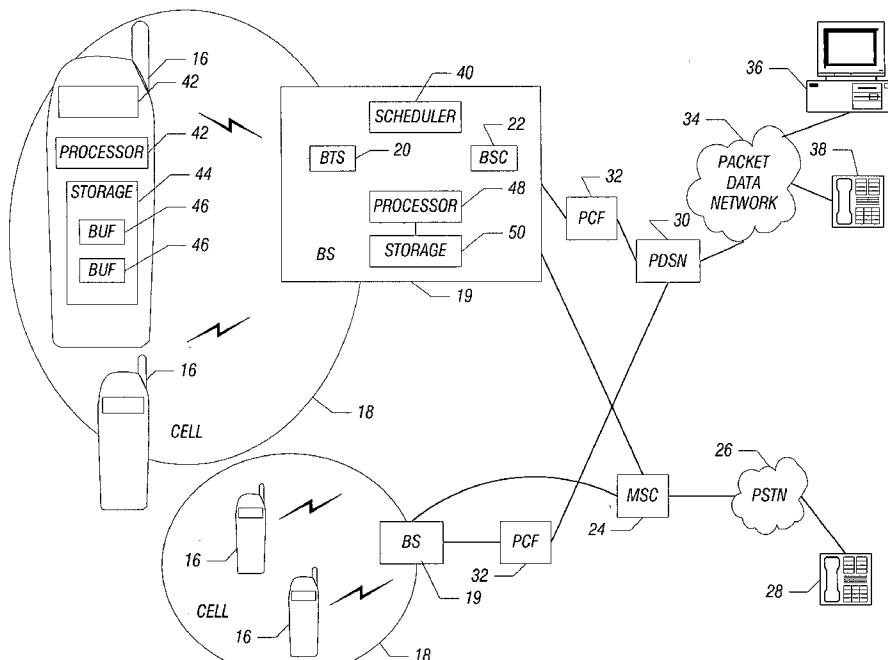
(60) Provisional application No. 60/454,714, filed on Mar. 15, 2003. Provisional application No. 60/457,215, filed on Mar. 25, 2003. Provisional application No. 60/459,534, filed on Apr. 1, 2003. Provisional application No. 60/462,220, filed on Apr. 11, 2003. Provisional application No. 60/468,442, filed on May 6, 2003. Provisional application No. 60/469,106, filed

Publication Classification

(51) **Int. Cl.⁷** **H04L 12/28**
(52) **U.S. Cl.** **370/229; 370/395.4**

(57) **ABSTRACT**

A wireless communications network includes a mobile station and base station that are capable of communicating over a wireless link. Information relating to a status of a buffer in the mobile station and information relating to a data rate over a reverse wireless links is communicated over the reverse wireless link.



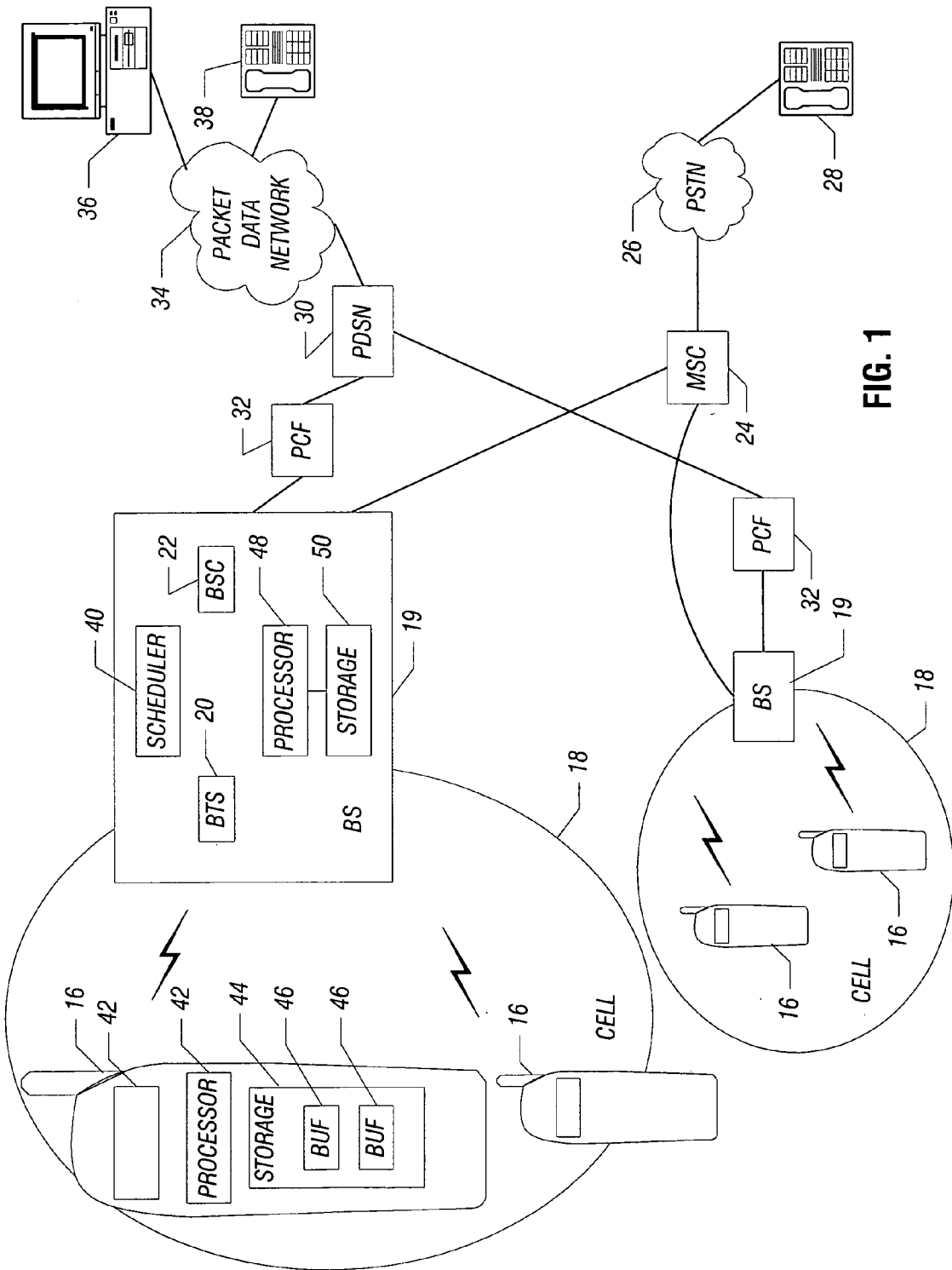


FIG. 1

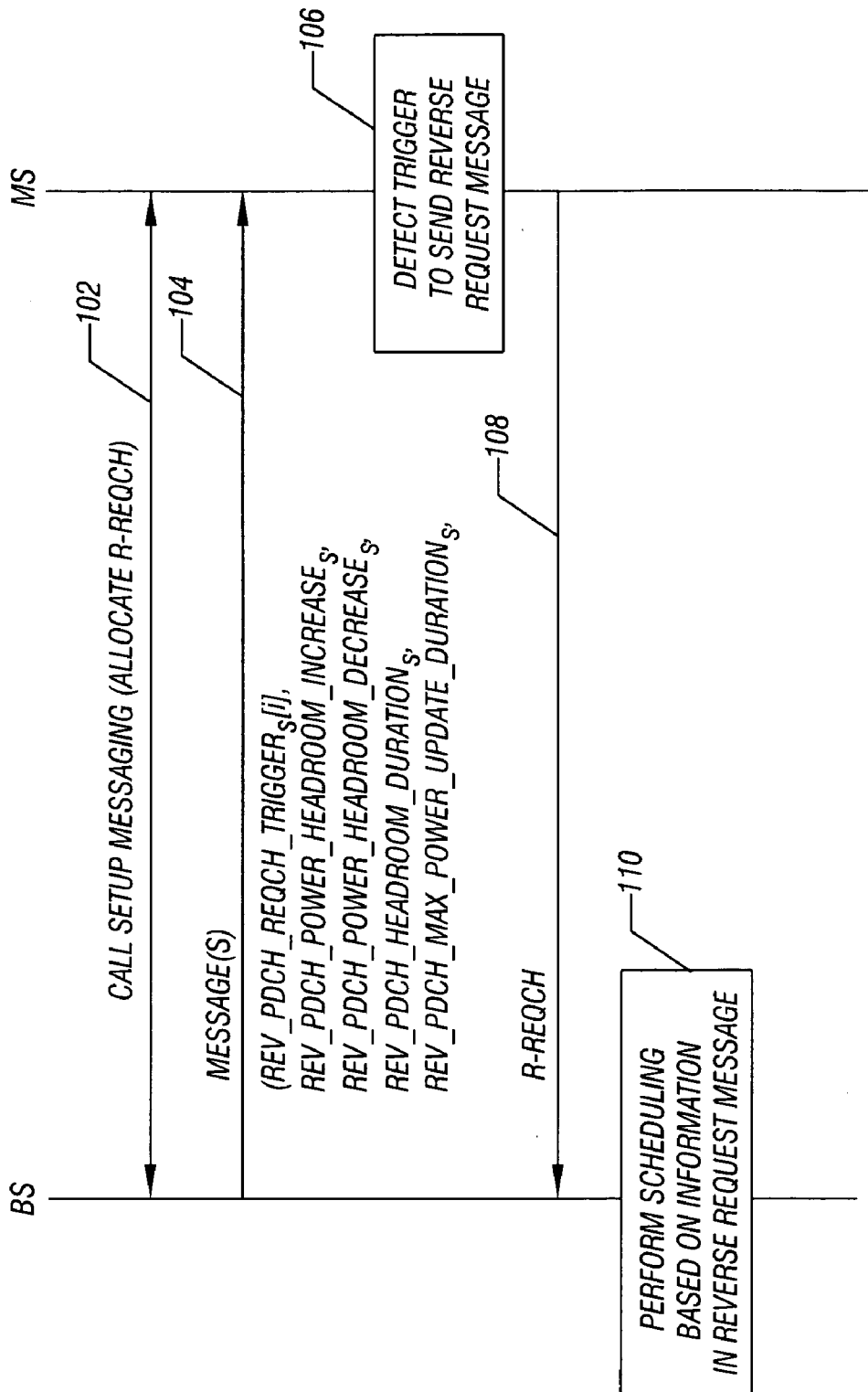


FIG. 2

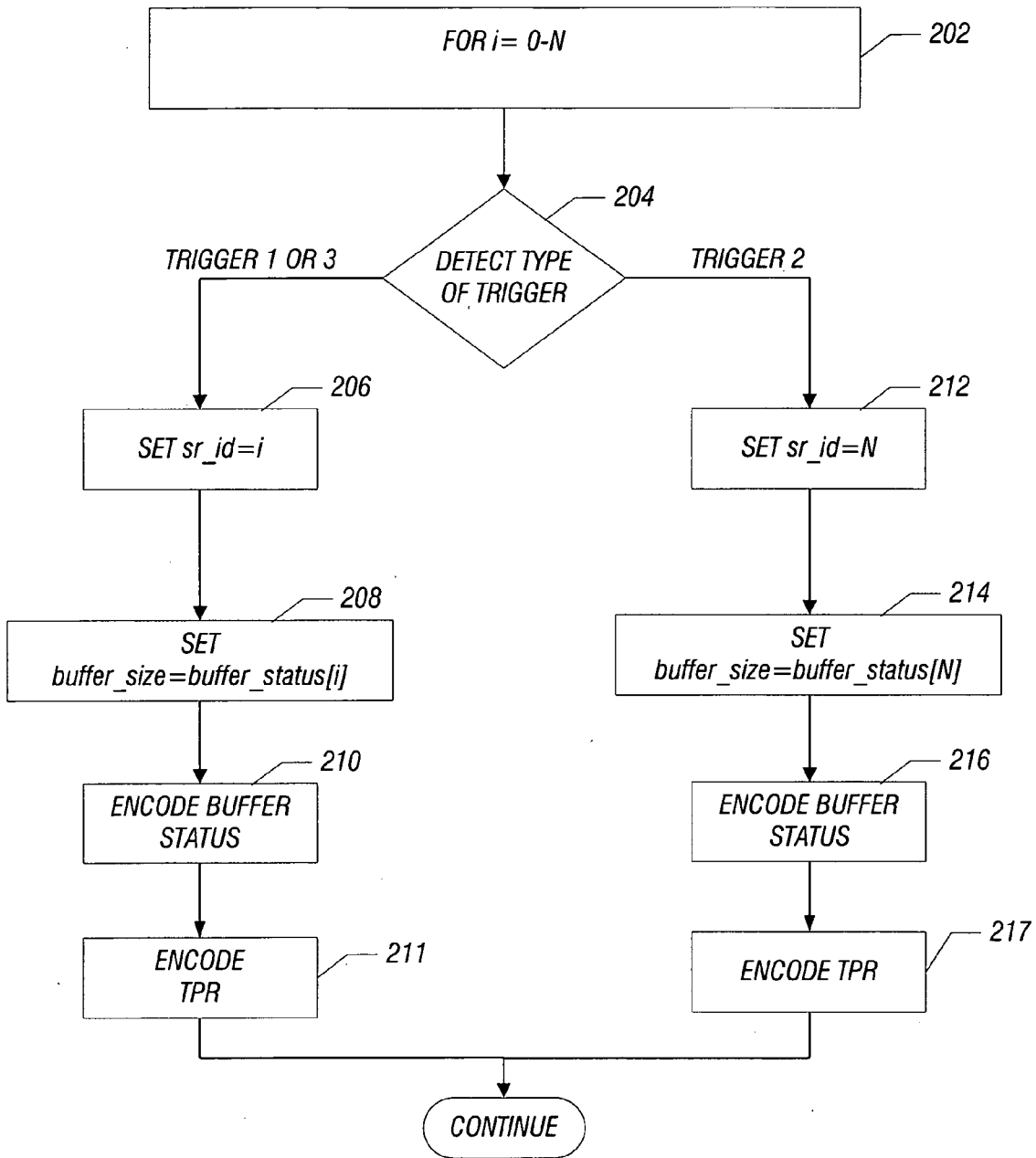


FIG. 3

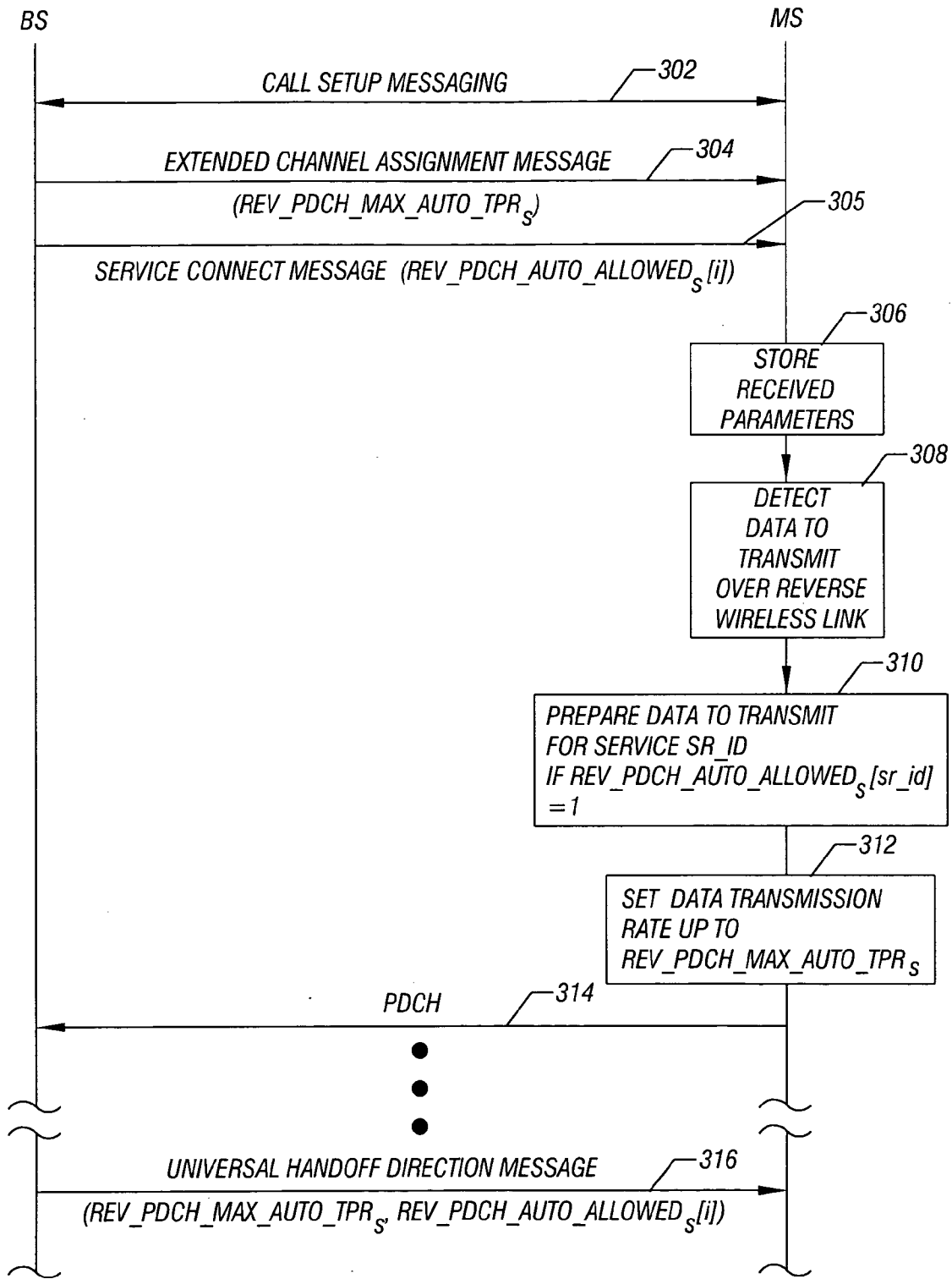


FIG. 4

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.