



US008921348B2

(12) **United States Patent**
Belanoff

(10) **Patent No.:** **US 8,921,348 B2**

(45) **Date of Patent:** **Dec. 30, 2014**

(54) **OPTIMIZING MIFEPRISTONE LEVELS IN PLASMA SERUM OF PATIENTS SUFFERING FROM MENTAL DISORDERS TREATABLE WITH GLUCOCORTICOID RECEPTOR ANTAGONISTS**

(71) Applicant: **Corcept Therapeutics**, Menlo Park, CA (US)

(72) Inventor: **Joseph K. Belanoff**, Woodside, CA (US)

(73) Assignee: **Corcept Therapeutics, Inc.**, Menlo Park, CA (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.: **14/065,792**

(22) Filed: **Oct. 29, 2013**

(65) **Prior Publication Data**

US 2014/0162993 A1 Jun. 12, 2014

Related U.S. Application Data

(63) Continuation of application No. 12/199,114, filed on Aug. 27, 2008, now Pat. No. 8,598,149.

(60) Provisional application No. 60/969,027, filed on Aug. 30, 2007.

(51) **Int. Cl.**

A61K 31/56 (2006.01)

G01N 33/49 (2006.01)

A61K 31/575 (2006.01)

(52) **U.S. Cl.**

CPC **G01N 33/49** (2013.01); **A61K 31/56** (2013.01); **A61K 31/575** (2013.01)

USPC **514/178**

(58) **Field of Classification Search**

USPC 514/178

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,964,953 B2 11/2005 Belanoff

OTHER PUBLICATIONS

Medical Encyclopedia of Medline ([http:// www.nlm.nih.gov/medlineplus/ency/article/003430.htm](http://www.nlm.nih.gov/medlineplus/ency/article/003430.htm)), 4 pages, Oct. 2005.

Sarkar, "Mifepristone: bioavailability, pharmacokinetics and use-effectiveness," *European Journal of Obstetrics and Gynecology and Reproductive Biology*, vol. 101, pp. 113-120 (2002).

Primary Examiner — San-Ming Hui

(74) *Attorney, Agent, or Firm* — Kilpatrick Townsend & Stockton LLP

(57) **ABSTRACT**

The present invention provides a method for optimizing levels of mifepristone in a patient suffering from a mental disorder amenable to treatment by mifepristone. The method comprises the steps of treating the patient with seven or more daily doses of mifepristone over a period of seven or more days; testing the serum levels of the patient to determine whether the blood levels of mifepristone are greater than 1300 ng/mL; and adjusting the daily dose of the patient to achieve mifepristone blood levels greater than 1300 ng/mL.

7 Claims, 6 Drawing Sheets

BPRS PSS –Days 7 and 56 Response

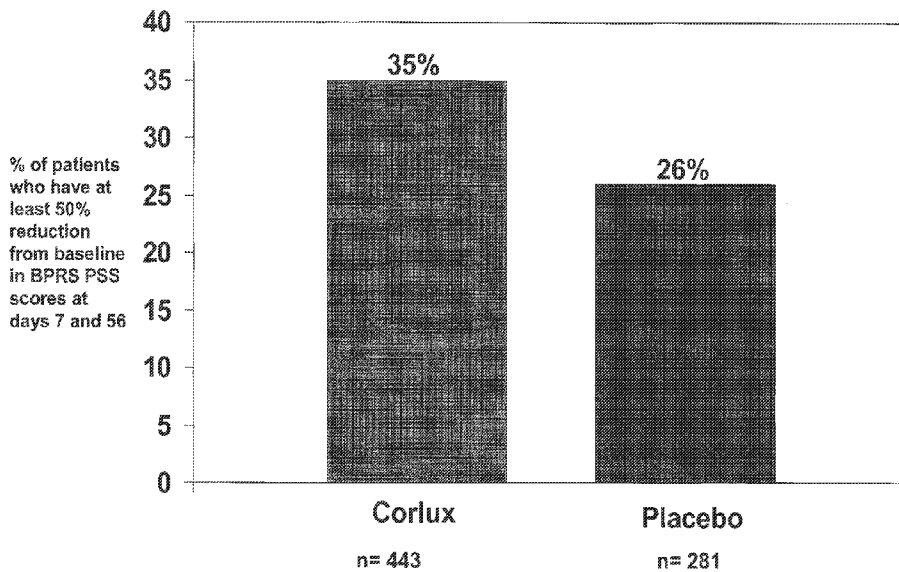
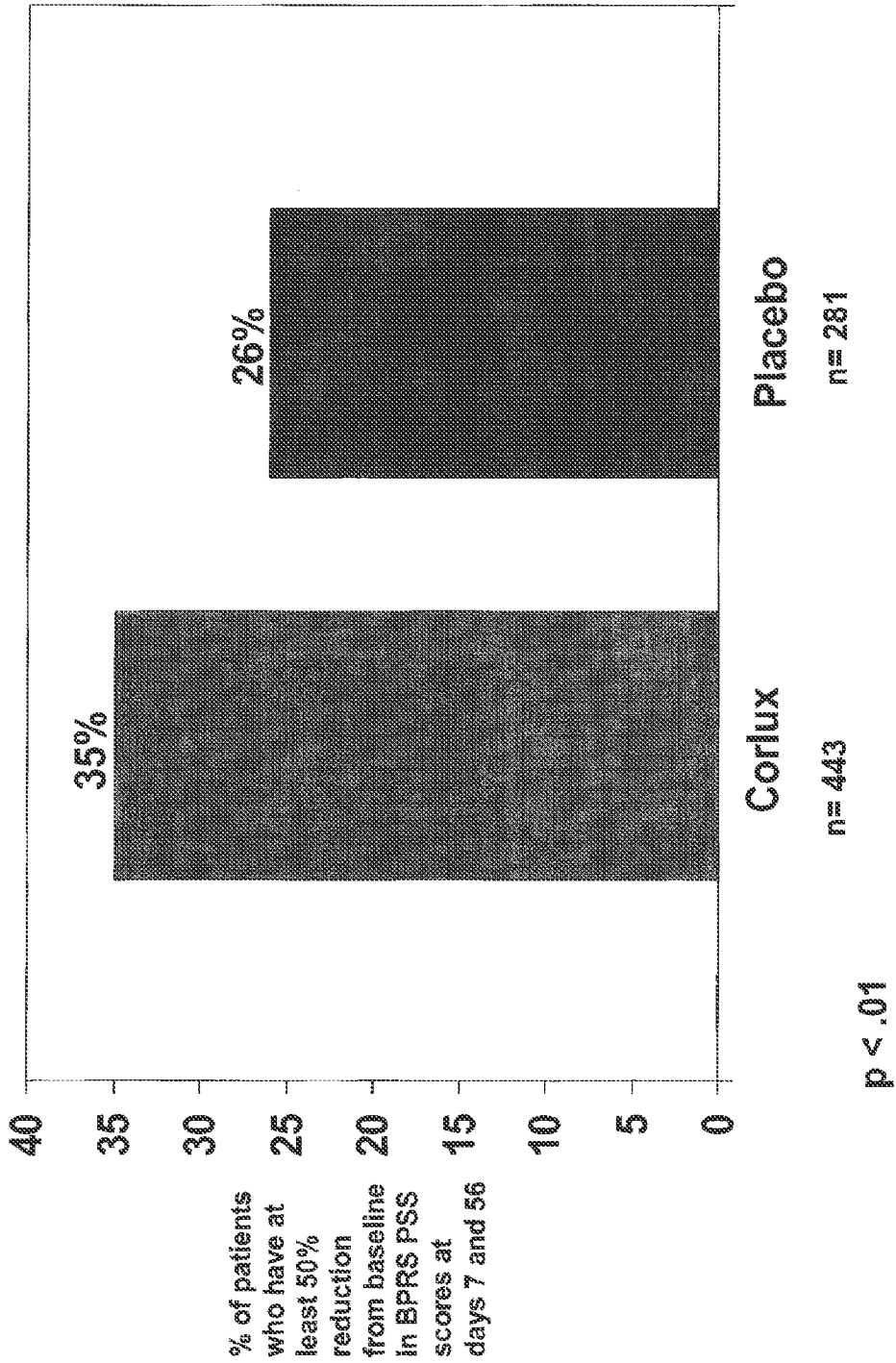


Figure 1.

BPRS PSS – Days 7 and 56 Response



BPRS PSS -- Days 7 and 56 Response

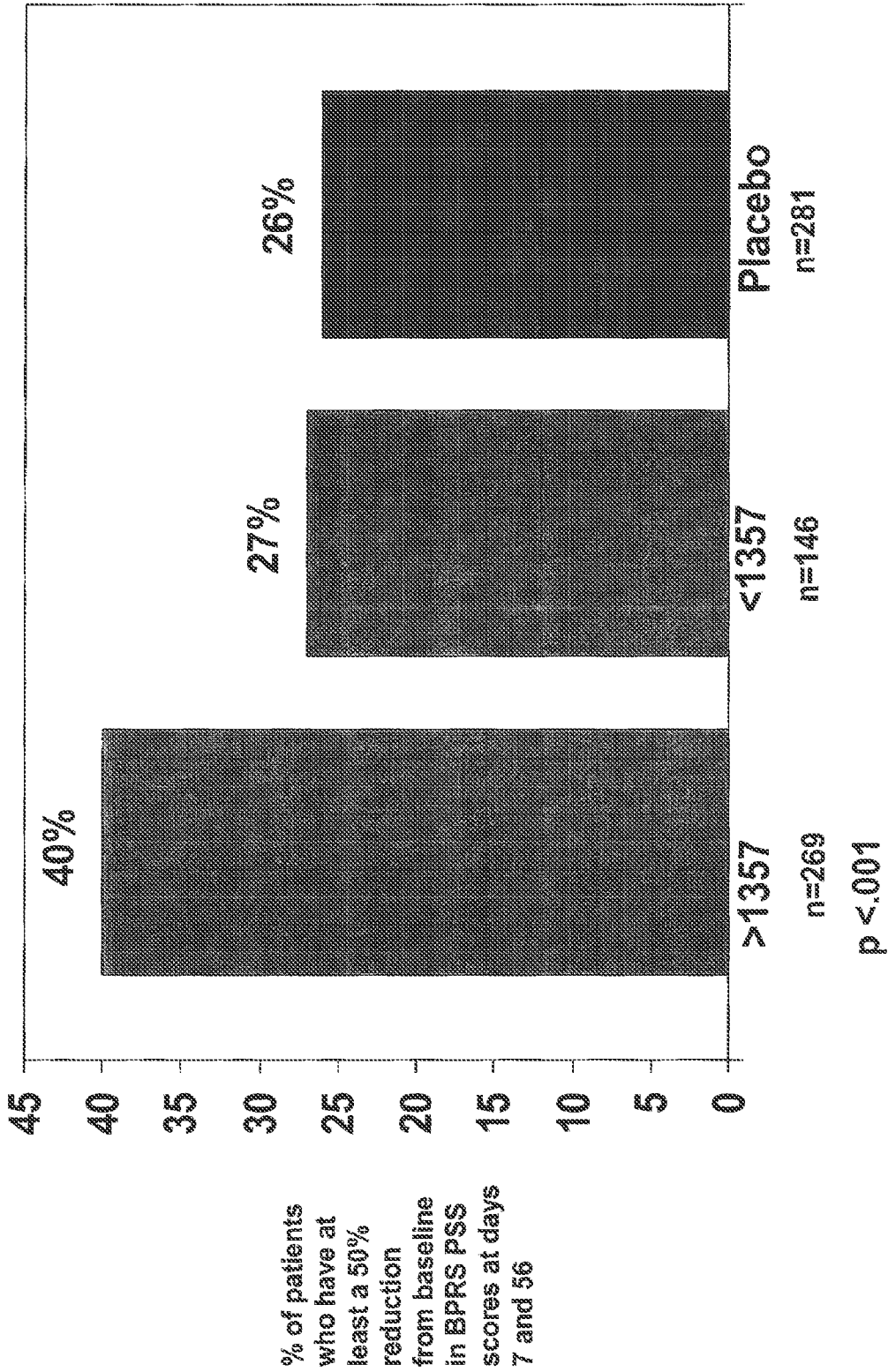


Figure 2.

BPRS PSS – Days 7 and 56 Response

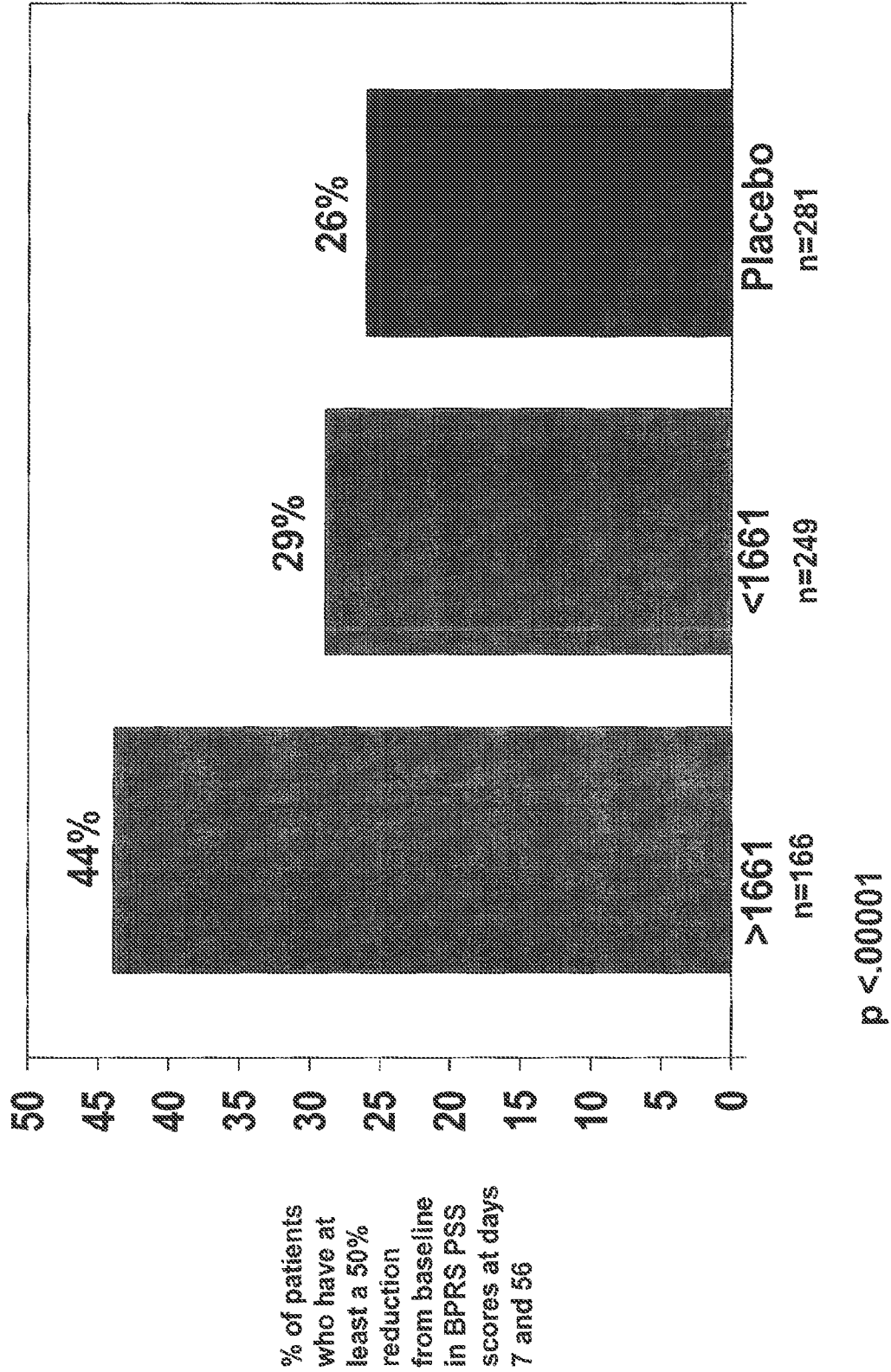


Figure 3.

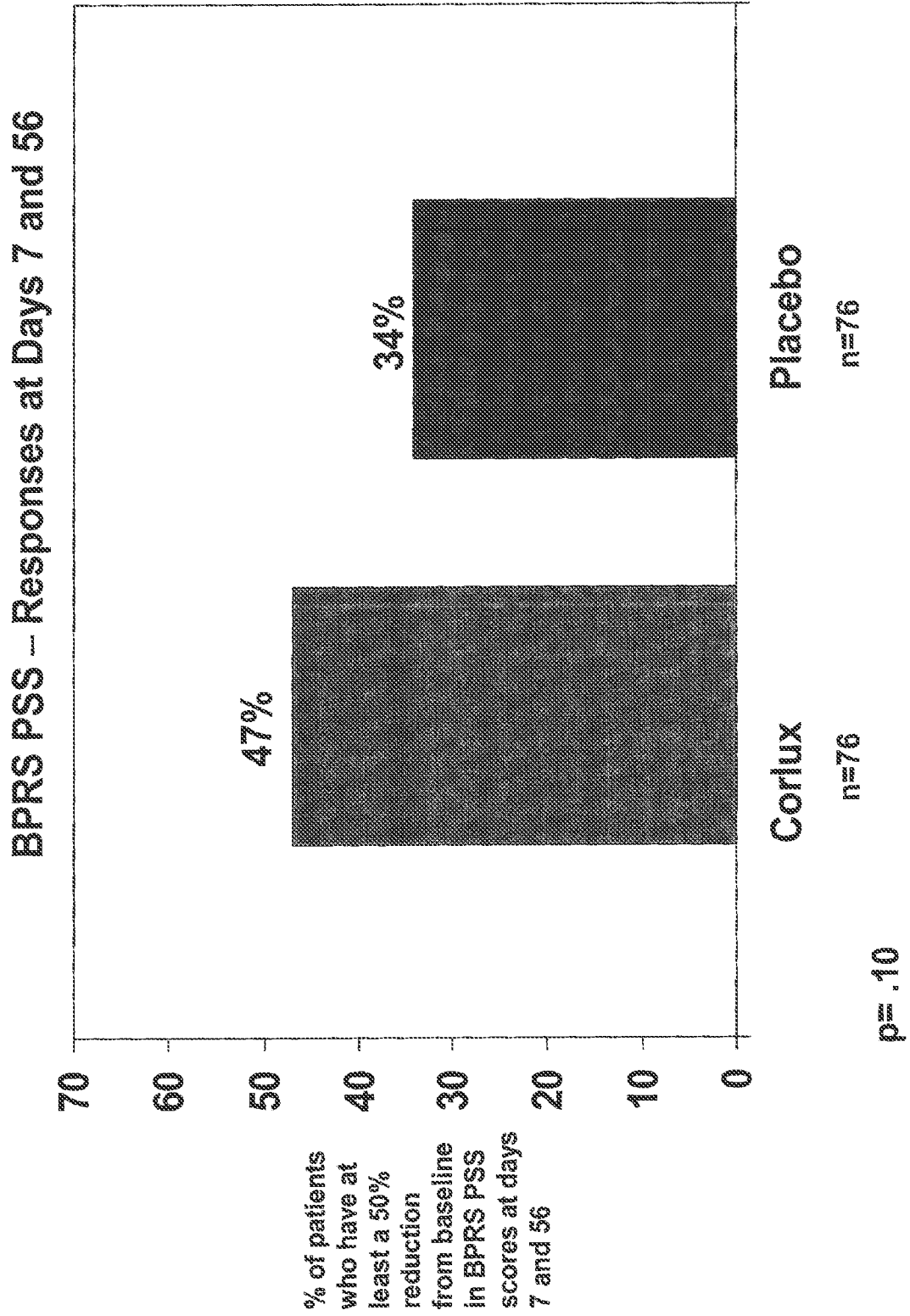


Figure 4.

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.