



US006614348B2

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

(10) **Patent No.:** **US 6,614,348 B2**
(45) **Date of Patent:** **Sep. 2, 2003**

(54) **SYSTEM AND METHOD FOR MONITORING BEHAVIOR PATTERNS**

(75) Inventors: **Arthur C. Ciccolo**, Ridgefield, CT (US); **Phillip Hobbs**, Briarcliff Manor, NY (US); **John D. Mackay**, Sleepy Hollow, NY (US); **Howard E. Sachar**, Mount Kisco, NY (US)

(73) Assignee: **International Business Machines Corporation**, Armonk, NY (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 181 days.

(21) Appl. No.: **09/814,785**

(22) Filed: **Mar. 23, 2001**

(65) **Prior Publication Data**

US 2002/0135484 A1 Sep. 26, 2002

(51) **Int. Cl.**⁷ **G08B 13/00**

(52) **U.S. Cl.** **340/541**; 340/565; 340/573.4

(58) **Field of Search** 340/555, 565, 340/545.3, 556, 557, 573.3, 573.4, 541, 576, 575; 128/903; 600/529, 543, 558, 595; 250/338.5, 339.02, 339.05, 339.14

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,777,477 A 10/1988 Watson 340/573.4

4,839,631 A *	6/1989	Tsuji	340/541
5,841,137 A *	11/1998	Whitney	250/338.5
5,942,976 A	8/1999	Wieser et al.	340/565
5,998,780 A	12/1999	Kramer	340/555
6,028,514 A *	2/2000	Lemelson et al.	340/573.1
6,043,493 A	3/2000	Kim et al.	250/349
6,054,928 A *	4/2000	Lemelson et al.	340/573.4
6,384,414 B1 *	5/2002	Fisher et al.	340/567
6,437,696 B1 *	8/2002	Lemelson et al.	340/573.4

* cited by examiner

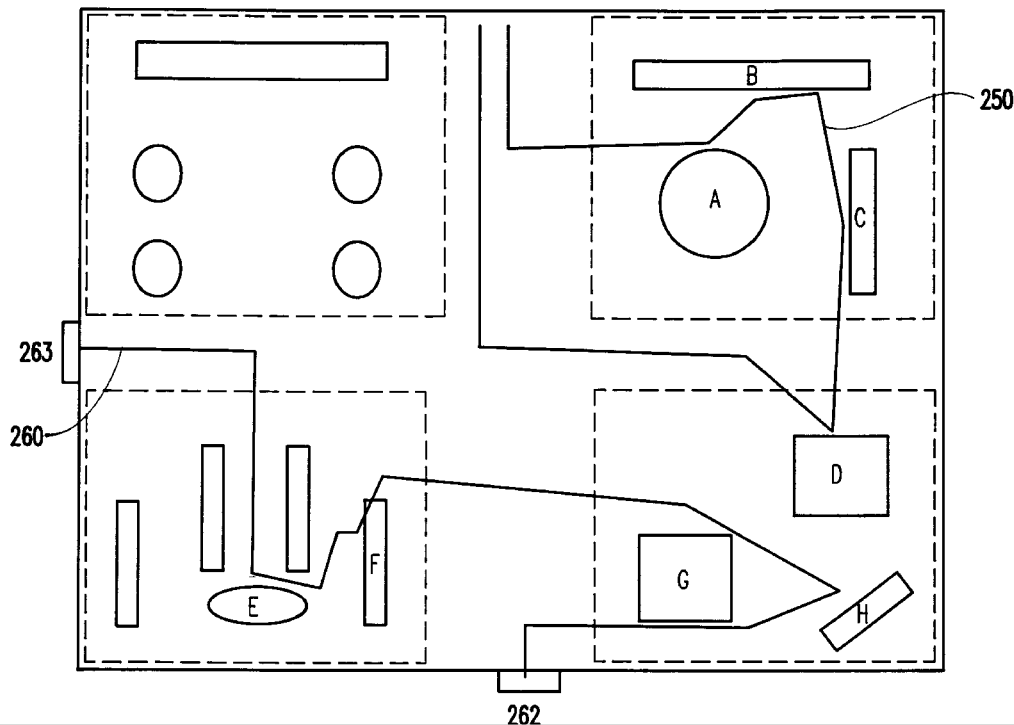
Primary Examiner—Van Trieu

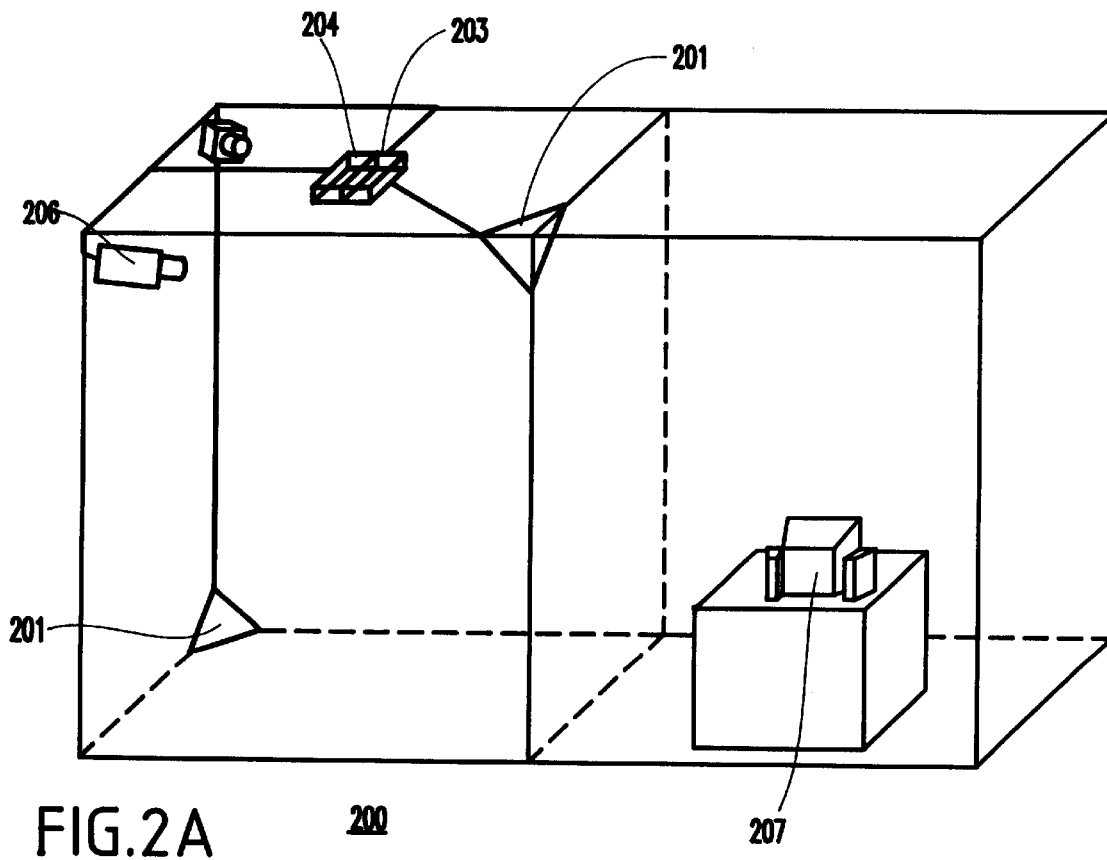
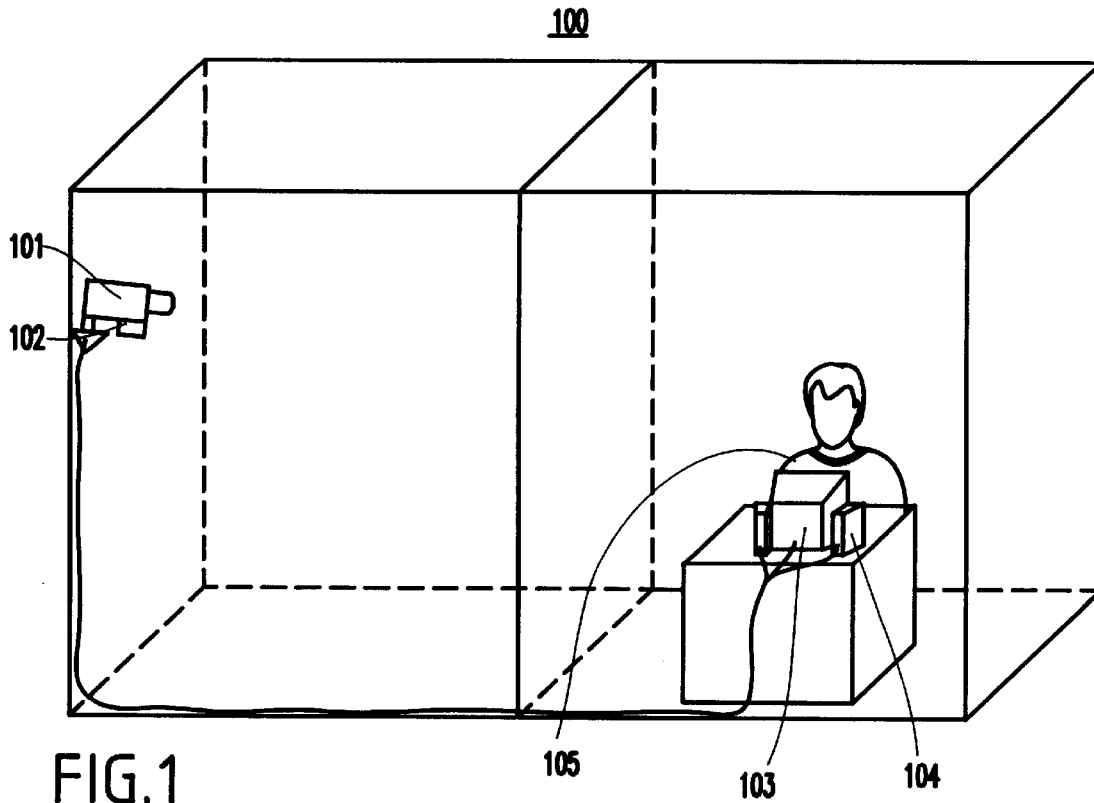
(74) *Attorney, Agent, or Firm*—Stephen C. Kaufman, Esq.; McGinn & Gibb, PLLC

(57) **ABSTRACT**

A system and method for monitoring behavior patterns which effectively distinguishes between alarming and non-alarming behavior patterns, includes at least one sensor for detecting behavior patterns, a memory device coupled to the sensor, for storing standard behavior patterns, and a processor, coupled to the memory device, for comparing standard behavior patterns with detected behavior patterns, and causing a response to be activated when standard behavior patterns and detected behavior patterns have a predetermined relationship.

29 Claims, 6 Drawing Sheets





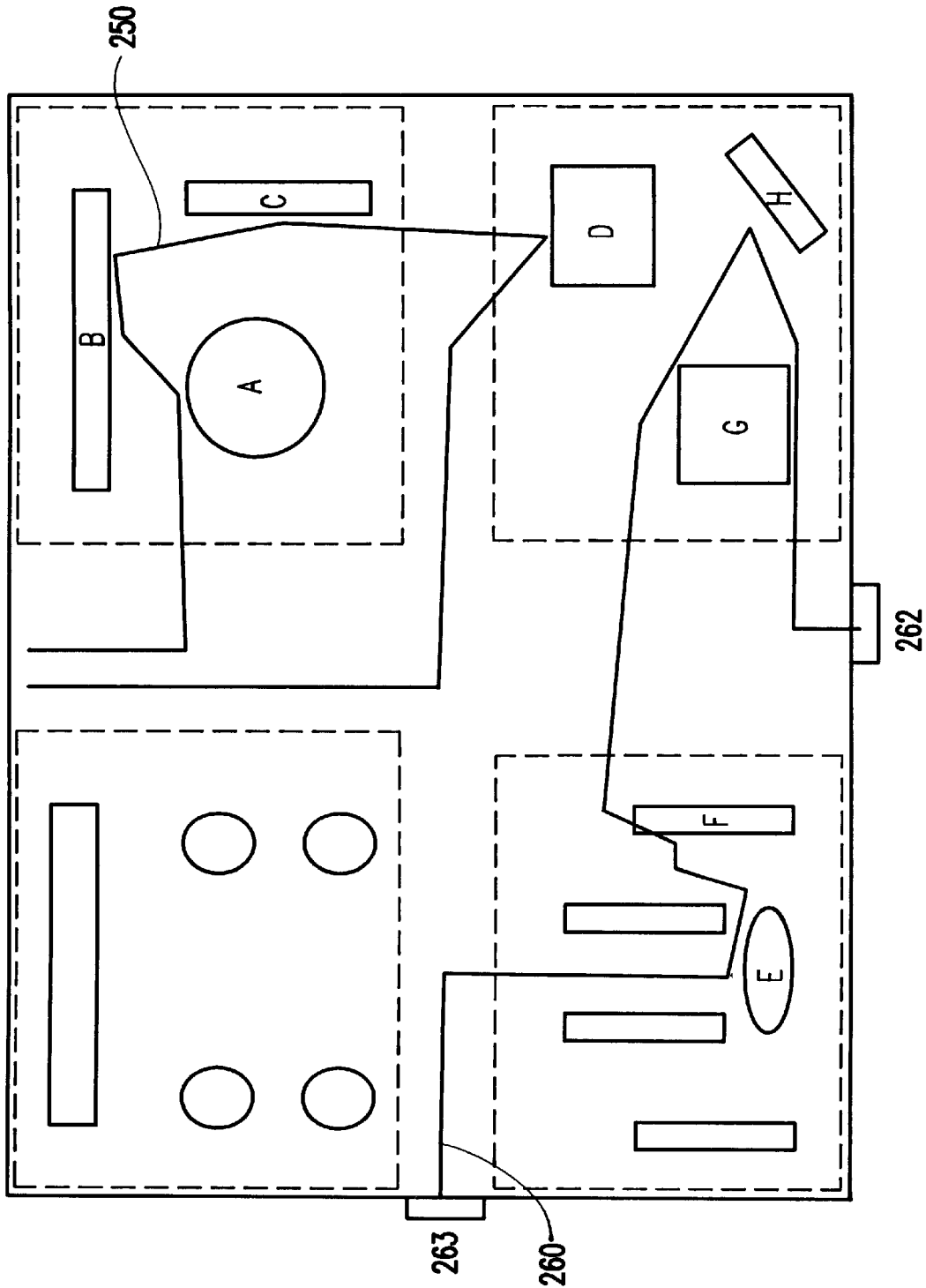
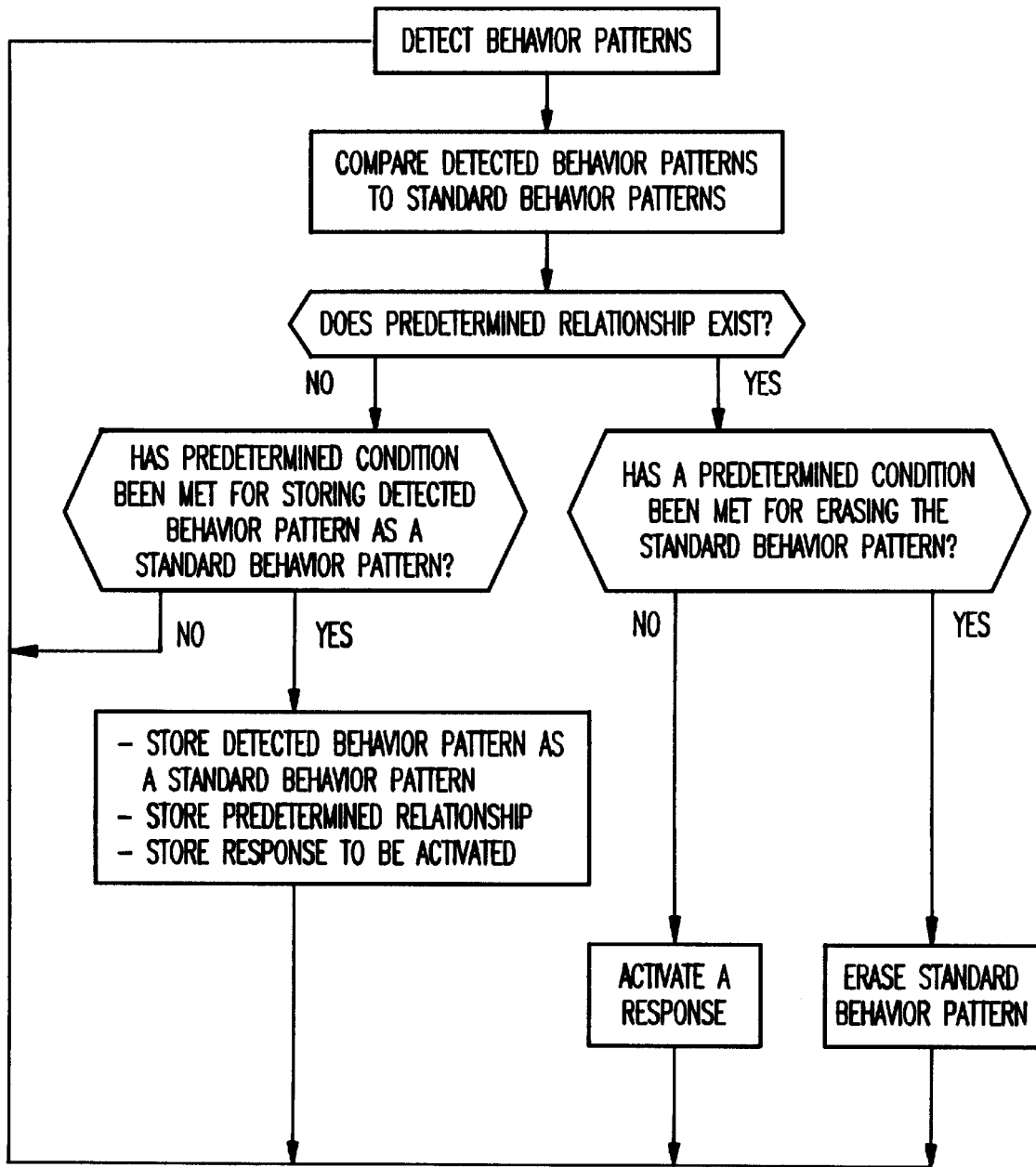


FIG. 2B



270

FIG.2C

FIG.3

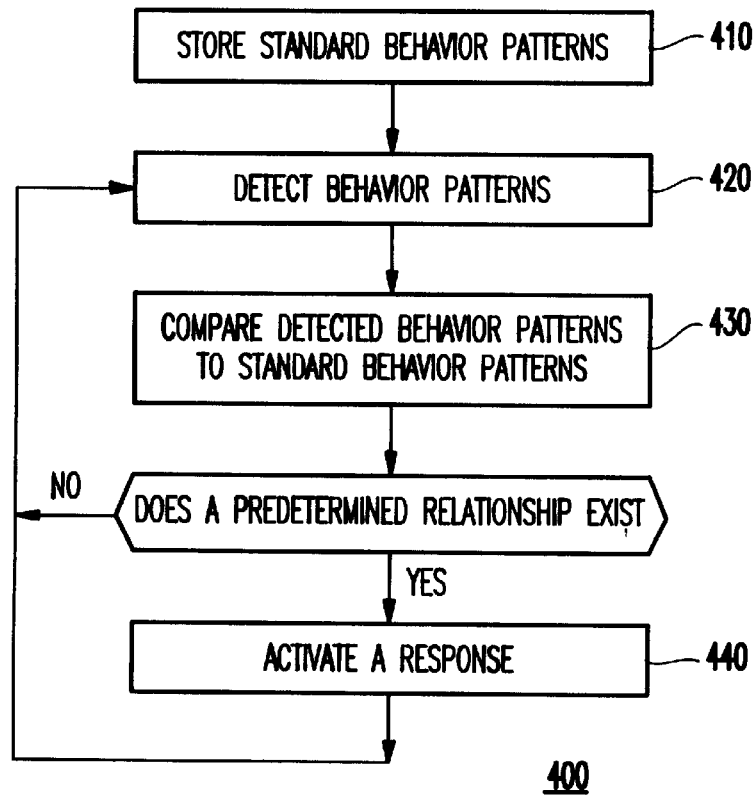
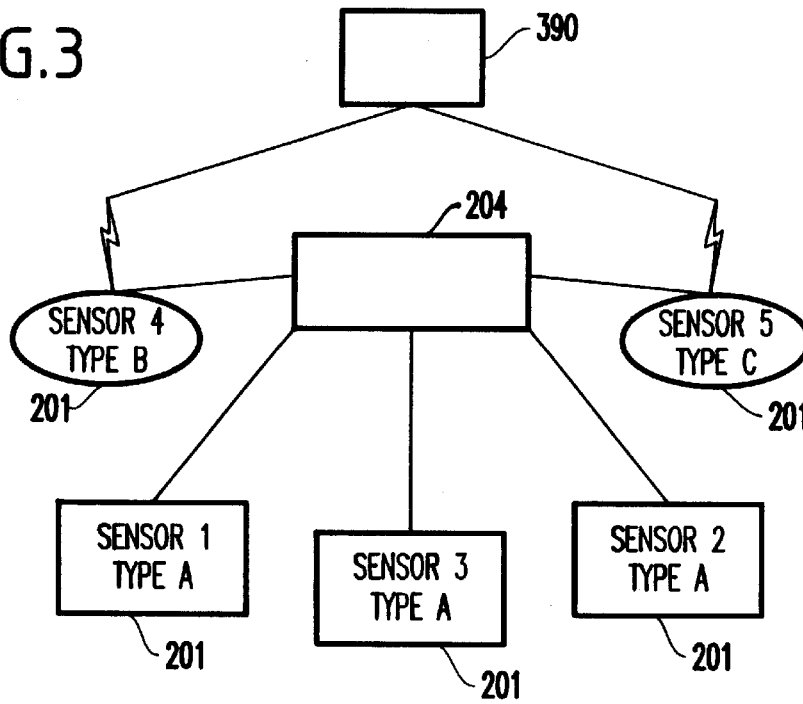


FIG.4A

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.