



US007092735B2

(12) **United States Patent**  
**Osann, Jr.**

(10) **Patent No.:** **US 7,092,735 B2**  
(45) **Date of Patent:** **Aug. 15, 2006**

(54) **VIDEO-VOICEMAIL SOLUTION FOR WIRELESS COMMUNICATION DEVICES**

(76) Inventor: **Robert Osann, Jr.**, 328 Costello Ct., Los Altos, CA (US) 94024

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 551 days.

(21) Appl. No.: **10/104,934**

(22) Filed: **Mar. 22, 2002**

(65) **Prior Publication Data**

US 2004/0203608 A1 Oct. 14, 2004

(51) **Int. Cl.**

**H04N 7/14** (2006.01)  
**H04M 1/00** (2006.01)  
**H04B 1/38** (2006.01)

(52) **U.S. Cl.** ..... **455/556.1; 455/557; 455/566; 348/14.02**

(58) **Field of Classification Search** ..... None  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,963,245	A *	10/1999	McDonald	.....	348/14.01
6,069,648	A *	5/2000	Suso et al.	.....	348/14.02
6,380,975	B1 *	4/2002	Suzuki	.....	348/231.99
6,424,843	B1 *	7/2002	Reitmaa et al.	.....	455/566
6,751,473	B1 *	6/2004	Goyal et al.	.....	455/556.1
6,812,954	B1 *	11/2004	Priestman et al.	.....	348/14.01
6,882,864	B1 *	4/2005	Miyake	.....	455/556.1

6,906,741	B1 *	6/2005	Canova et al.	.....	348/14.08
2001/0032335	A1 *	10/2001	Jones	.....	725/105
2001/0050977	A1 *	12/2001	Gerszber et al.	.....	379/88.13
2002/0051181	A1 *	5/2002	Nishimura	.....	358/1.15
2002/0130956	A1 *	9/2002	Suzuki	.....	348/211
2002/0147661	A1 *	10/2002	Hatakama et al.	.....	705/26
2002/0171673	A1 *	11/2002	Brown et al.	.....	345/700
2004/0014456	A1 *	1/2004	Vnnen	.....	455/413
2005/0083642	A1 *	4/2005	Senpuku et al.	.....	361/681

\* cited by examiner

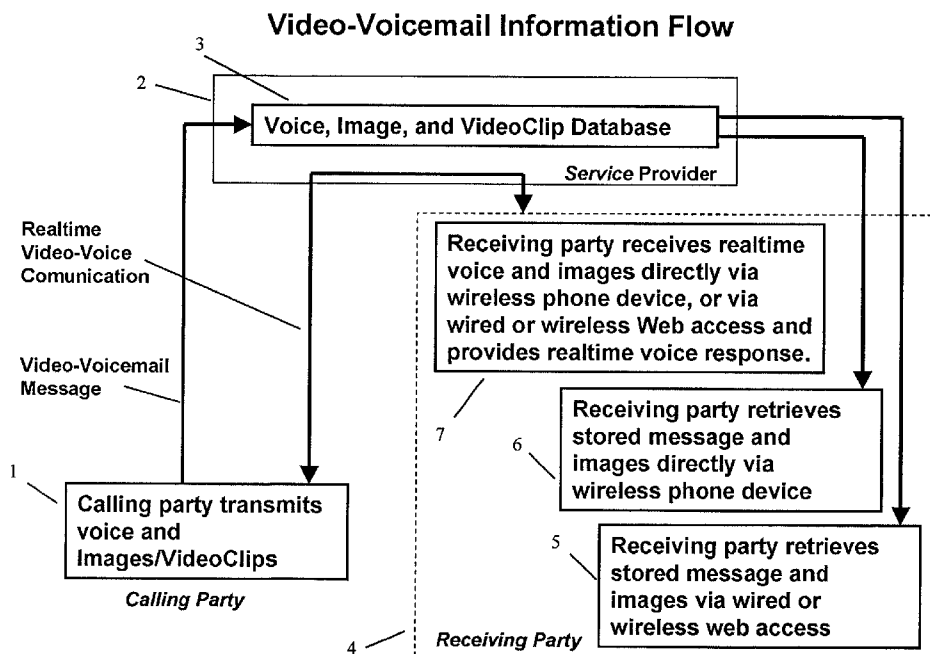
*Primary Examiner*—Fan Tsang  
*Assistant Examiner*—Lisa Hashem

(57) **ABSTRACT**

An enhanced communication and voicemail solution for mobile phones is described where still images and/or video clips are injected into the voice stream creating a “video-voice” call. When a receiving party is not available to take a video-voice call, this combined stream of voice and image information is stored at the mobile service provider in a manner similar to voice mail today. Then, stored video-voicemails may be retrieved at a later time by the receiving party. Also, realtime video-voice conversations may be recorded for later retrieval in order to document the conversation or because a party in the conversation is not able to view the images realtime.

While the sending party may use a normal size mobile phone containing a miniature digital camera, the receiving party may view video-voicemail images on a variety of devices including a wireless mobile phone or PDA, or alternately a conventional PC connected to the World Wide Web.

**11 Claims, 7 Drawing Sheets**



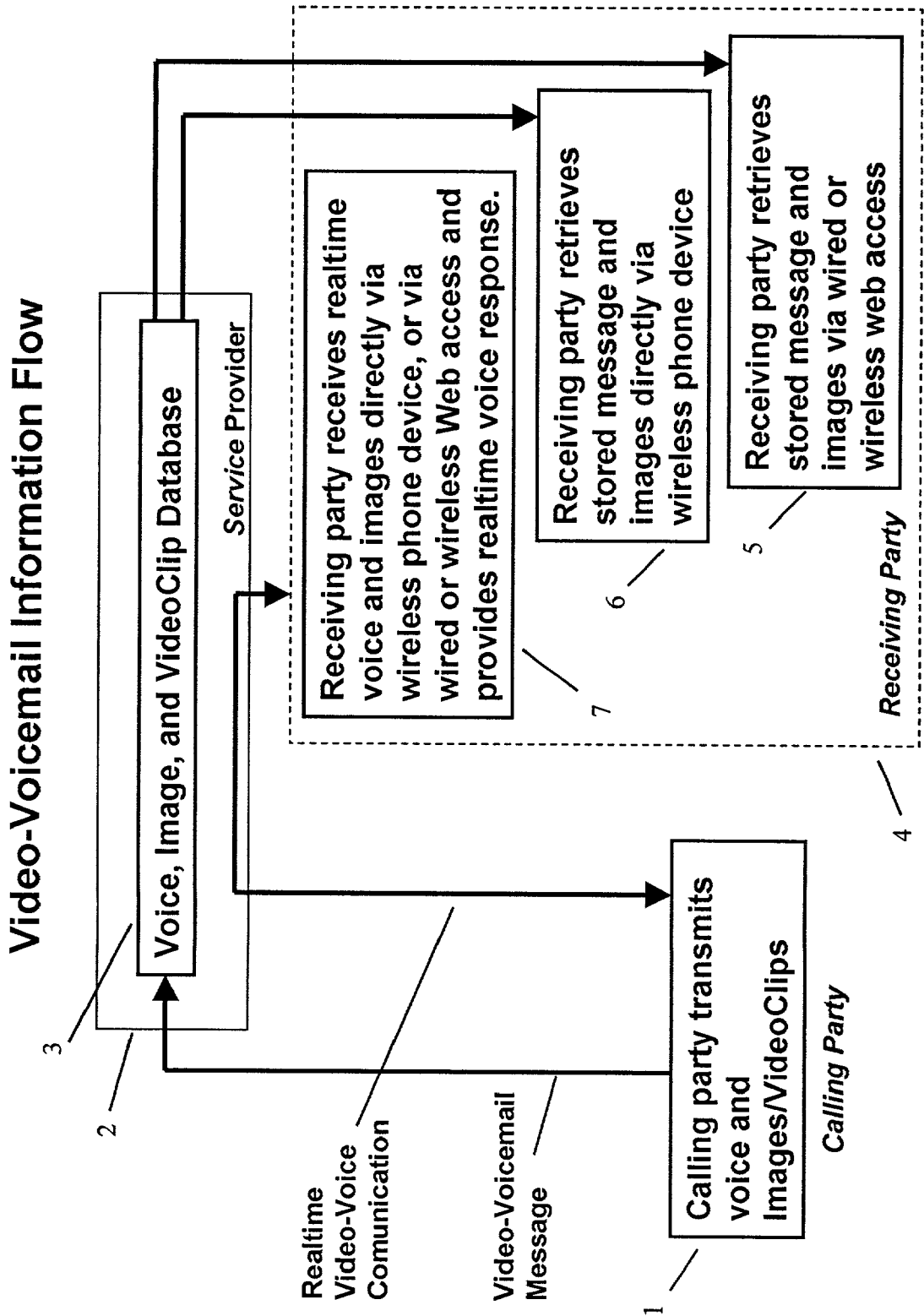


Figure 1

Camera Integrated into Cellular Phone

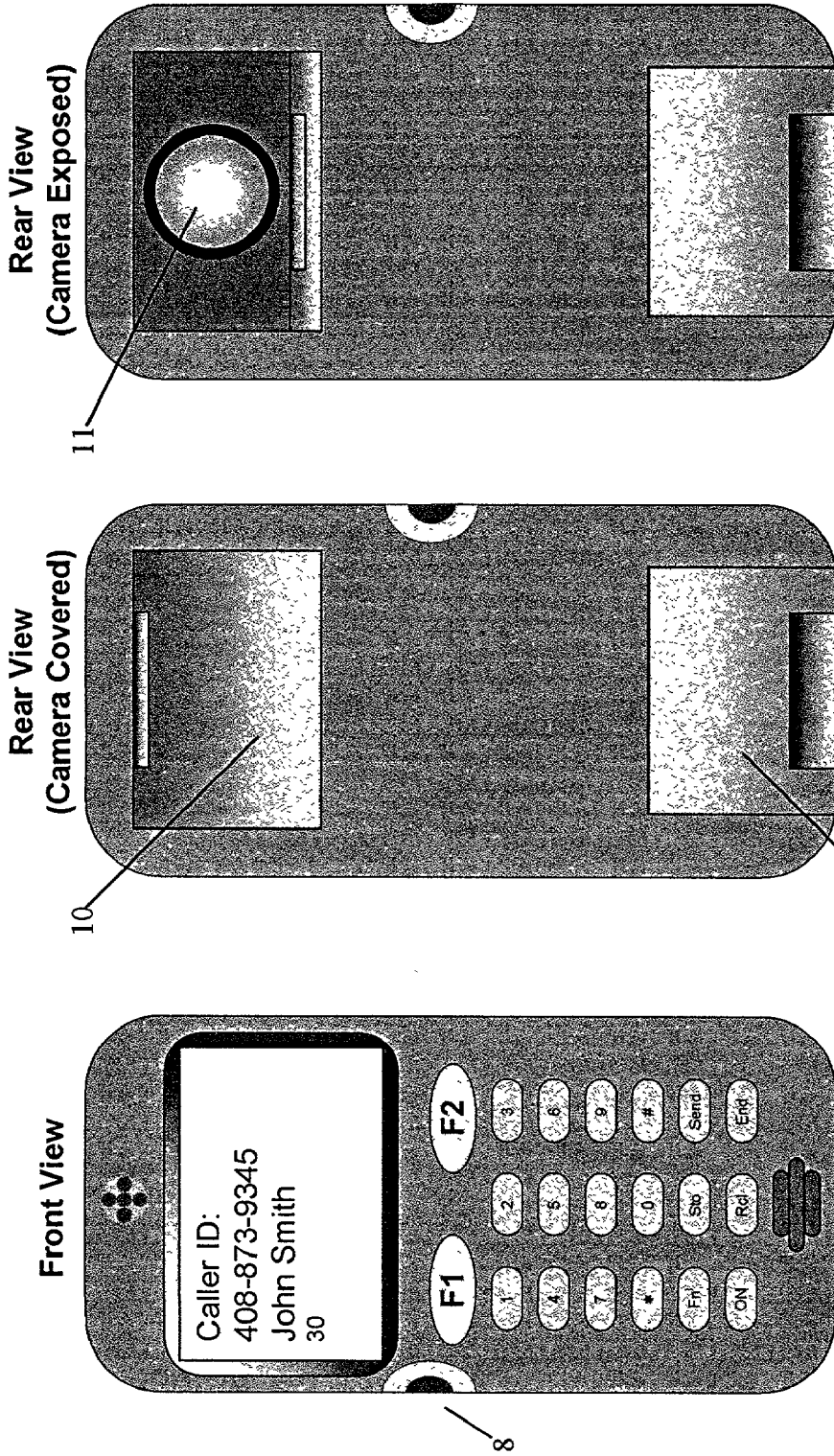


Figure 2c

Figure 2b

Figure 2a

Remote Viewing Construction Site Details via Video-Voicemail

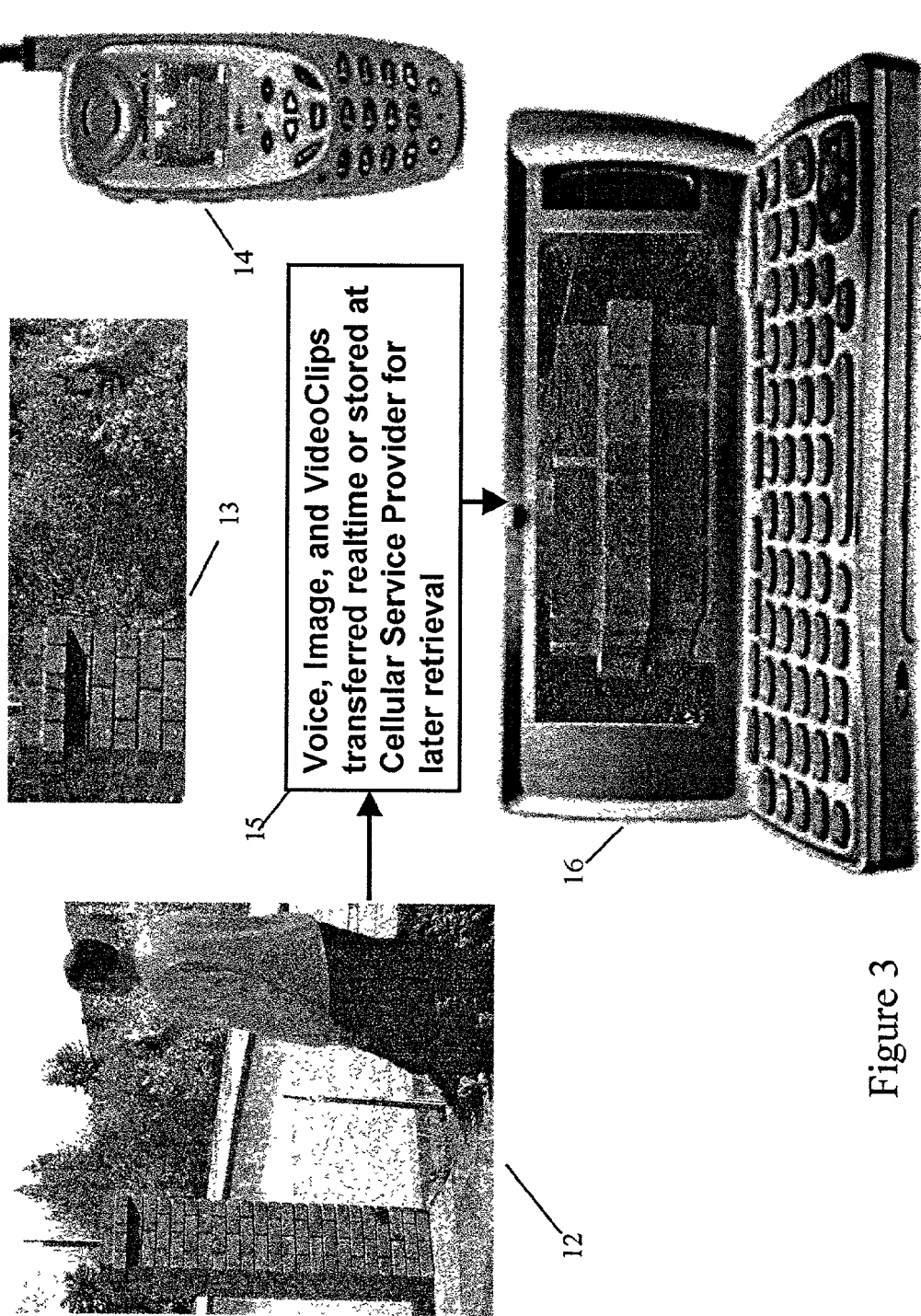


Figure 3

# Image Positioning in Voice Stream for Video-Voicemail

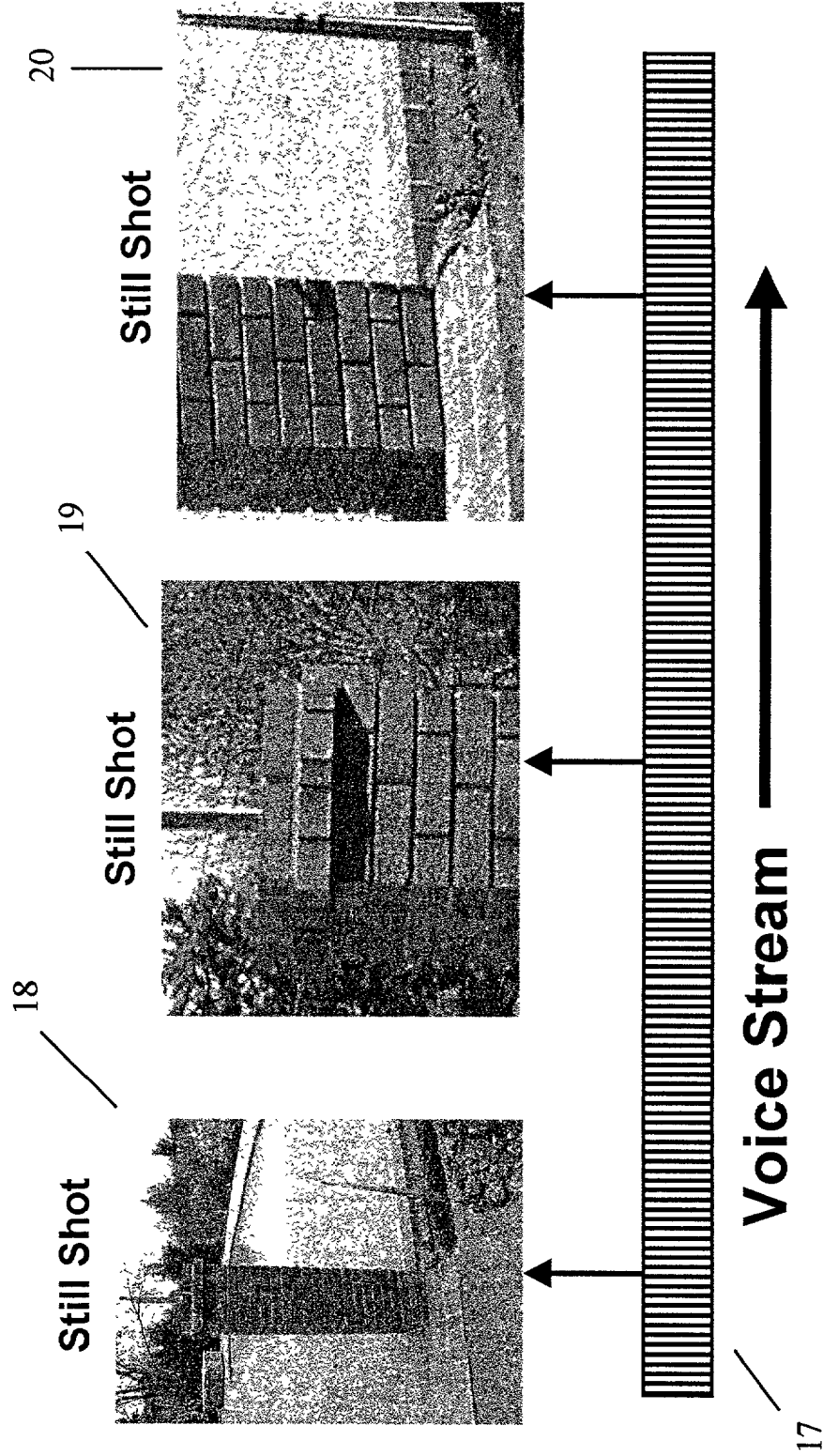


Figure 4

# 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.