

## (19) United States

## (12) Patent Application Publication (10) Pub. No.: US 2007/0100817 A1 Acharya et al.

## May 3, 2007 (43) Pub. Date:

### (54) DOCUMENT SCORING BASED ON DOCUMENT CONTENT UPDATE

(75) Inventors: Anurag Acharya, Campbell, CA (US); Jeffrey Dean, Palo Alto, CA (US); Paul Haahr, San Francisco, CA (US); Monika Henzinger, Corseaux (CH); Steve Lawrence, Mountain View, CA (US); Karl Pfleger, Mountain View, CA (US); Simon Tong, Mountain View, CA (US)

> Correspondence Address: HARRITY SNYDER, LLP 11350 Random Hills Road **SUITE 600** FAIRFAX, VA 22030 (US)

(73) Assignee: GOOGLE INC., Mountain View, CA

(21) Appl. No.:

11/562,285

(22) Filed:

Nov. 21, 2006

### Related U.S. Application Data

- (62) Division of application No. 10/748,664, filed on Dec.
- (60) Provisional application No. 60/507,617, filed on Sep. 30, 2003.

#### **Publication Classification**

(51) Int. Cl.

G06F 17/30

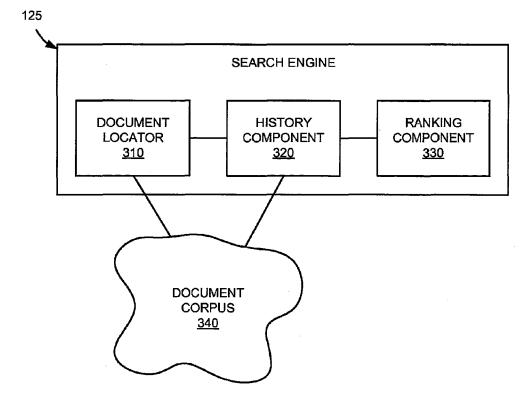
(2006.01)

U.S. Cl. ......

...... 707/5

#### (57)ABSTRACT

A system may determine a measure of how a content of a document changes over time, generate a score for the document based, at least in part, on the measure of how the content of the document changes over time, and rank the document with regard to at least one other document based, at least in part, on the score.

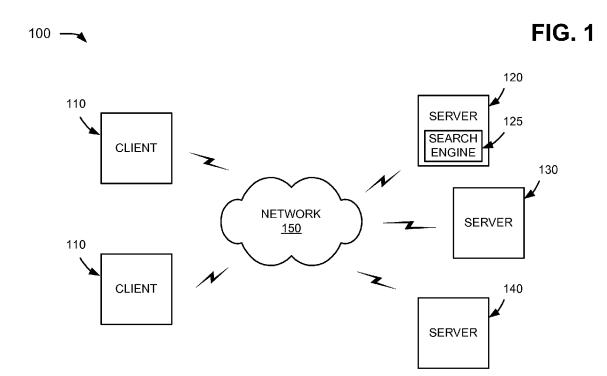


# **EXHIBIT 2109**

Facebook, Inc. et al.







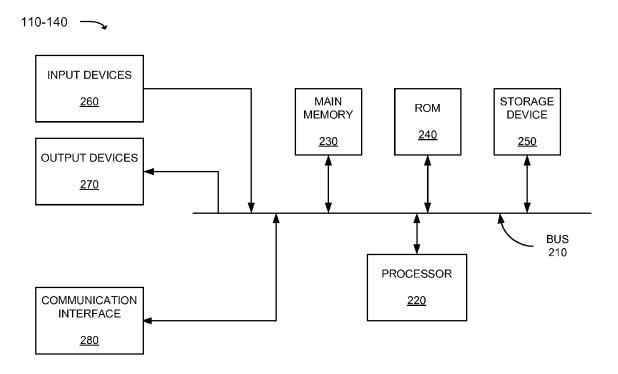


FIG. 2

FIG. 3

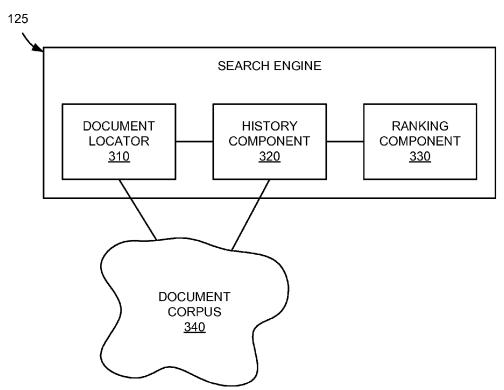
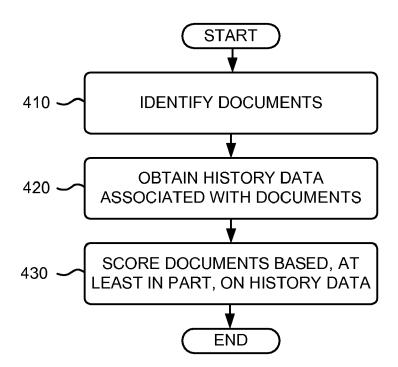


FIG. 4



# DOCKET A L A R M

# 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.

