

EXHIBIT 6



US008296684B2

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

(10) **Patent No.:** **US 8,296,684 B2**
(45) **Date of Patent:** **Oct. 23, 2012**

(54) **NAVIGATING AMONG ACTIVITIES IN A COMPUTING DEVICE**

(75) Inventors: **Matias Gonzalo Duarte**, Sunnyvale, CA (US); **Daniel Marc Gatan Shiplacoff**, Los Angeles, CA (US); **Jeremy Godfrey Lyon**, Sunnyvale, CA (US); **Paul Mercer**, Palo Alto, CA (US); **Ralph Thomas**, Palo Alto, CA (US)

6,613,100 B2	9/2003	Miller	
6,765,559 B2	7/2004	Hayakawa	
7,051,291 B2	5/2006	Sciannamarella et al.	
7,159,176 B2 *	1/2007	Billmaier et al.	715/720
7,170,500 B2	1/2007	Canova, Jr.	
7,394,452 B2	7/2008	Wong et al.	
7,479,949 B2	1/2009	Jobs et al.	
7,650,569 B1	1/2010	Allen et al.	
D615,989 S	5/2010	Chaudhri	
8,001,479 B2 *	8/2011	Katsuranis et al.	715/763

(Continued)

(73) Assignee: **Hewlett-Packard Development Company, L.P.**, Houston, TX (US)

FOREIGN PATENT DOCUMENTS

AU 2008100003 A4 2/2008

(Continued)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1120 days.

OTHER PUBLICATIONS

(21) Appl. No.: **12/126,145**

Non-Final Office Action issued on Oct. 3, 2011, in related U.S. Appl. No. 12/416,279, filed Apr. 1, 2009.

(22) Filed: **May 23, 2008**

(Continued)

(65) **Prior Publication Data**

US 2009/0293007 A1 Nov. 26, 2009

Primary Examiner — Steven Sax

(51) **Int. Cl.**

G06F 3/048 (2006.01)

(57)

ABSTRACT

(52) **U.S. Cl.** **715/863**; 715/864

(58) **Field of Classification Search** 715/767, 715/792, 802, 803, 804–805, 797–798, 702, 715/863, 853–855, 864, 817, 821, 818–820, 715/822–823, 712, 749, 781–784

See application file for complete search history.

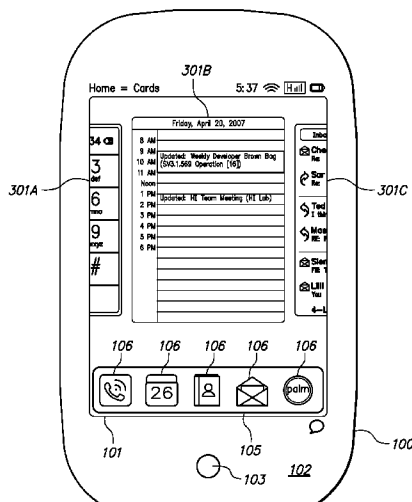
A computing device runs multiple activities concurrently and provides at least two modes for interacting with the activities. The user may toggle between the modes as desired. In a full-screen mode, one activity occupies substantially an entire display screen. In a windowed mode, the activity is visible within a window, and a portion of at least one other window is also visible. In the windowed mode, the user can cause windows to move, thereby changing focus from one activity to another. For example, the window having focus can be moved off the screen, to be replaced by a new window that is then given focus. The windows are ordered in a sequence and move in concert with one another; pushing one window off one edge of the screen causes a new window to appear at the opposite edge. A persistent positional relationship can be established among windows.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,574,846 A	11/1996	Yoshimura et al.	
5,677,708 A	10/1997	Matthews, III et al.	
6,011,537 A *	1/2000	Slotznick	715/733
6,061,050 A	5/2000	Allport et al.	
6,407,757 B1	6/2002	Ho	
6,441,811 B1	8/2002	Sawada et al.	

20 Claims, 14 Drawing Sheets



U.S. PATENT DOCUMENTS

2002/0089536	A1 *	7/2002	Dang	345/749
2002/0109735	A1 *	8/2002	Chang et al.	345/853
2002/0191013	A1 *	12/2002	Abrams	345/730
2005/0021336	A1 *	1/2005	Katsuranis	704/246
2005/0149879	A1	7/2005	Jobs et al.	
2005/0190280	A1	9/2005	Haas et al.	
2006/0010395	A1	1/2006	Aaltonen	
2006/0015878	A1 *	1/2006	Ritter	719/310
2006/0075348	A1 *	4/2006	Xu et al.	715/730
2006/0125962	A1 *	6/2006	Shelton et al.	348/588
2006/0181548	A1 *	8/2006	Hafey et al.	345/619
2006/0218504	A1 *	9/2006	Hiroi et al.	715/781
2006/0224989	A1 *	10/2006	Pettiross et al.	715/779
2007/0220440	A1	9/2007	Song et al.	
2007/0226647	A1 *	9/2007	Louch	715/788
2007/0245263	A1	10/2007	Hale et al.	
2008/0034317	A1 *	2/2008	Fard et al.	715/781
2008/0100593	A1	5/2008	Skillman et al.	
2008/0148149	A1 *	6/2008	Singh et al.	715/700
2008/0168401	A1	7/2008	Boule et al.	
2008/0281689	A1 *	11/2008	Blinnikka et al.	705/14
2009/0019031	A1 *	1/2009	Krovitz et al.	707/5
2009/0070691	A1 *	3/2009	Jain	715/760
2009/0183120	A1 *	7/2009	Ording et al.	715/823
2009/0193364	A1	7/2009	Jarrett et al.	
2009/0199241	A1 *	8/2009	Unger et al.	725/41
2010/0081475	A1 *	4/2010	Chiang et al.	455/564
2010/0211872	A1	8/2010	Rolston et al.	
2010/0214278	A1 *	8/2010	Miura	345/212

FOREIGN PATENT DOCUMENTS

EP	0 548 646	A1	6/1993
WO	WO-2008/030976	A2	3/2008

OTHER PUBLICATIONS

iPhone User's Guide, Chapter 5, pp. 58-59, Apple Safari Browser, "Opening Multiple Webpages at Once," (2007).

Extended European Search Report, European Application No. 09751303.0, Date: Apr. 2, 2012, pp. 1-6.

Extended European Search Report, European Application No. 09751304.8, Date: Apr. 3, 2012, pp. 1-6.

GB Examination Report, Application No. GB1021636.4, Date: Mar. 20, 2012, pp. 1-3.

International Search Report mailed Oct. 30, 2009, issued in international application No. PCT/US2009/044389.

International Preliminary Report on Patentability issued on Nov. 30, 2010, in international application No. PCT/US2009/044389.

International Search Report mailed Oct. 30, 2009, issued in international application No. PCT/US2009/044390.

International Preliminary Report on Patentability issued on Nov. 23, 2010, in international application No. PCT/US2009/044390.

United Kingdom Examination Report dated Jan. 24, 2012, in United Kingdom application No. GB1021630.7.

* cited by examiner

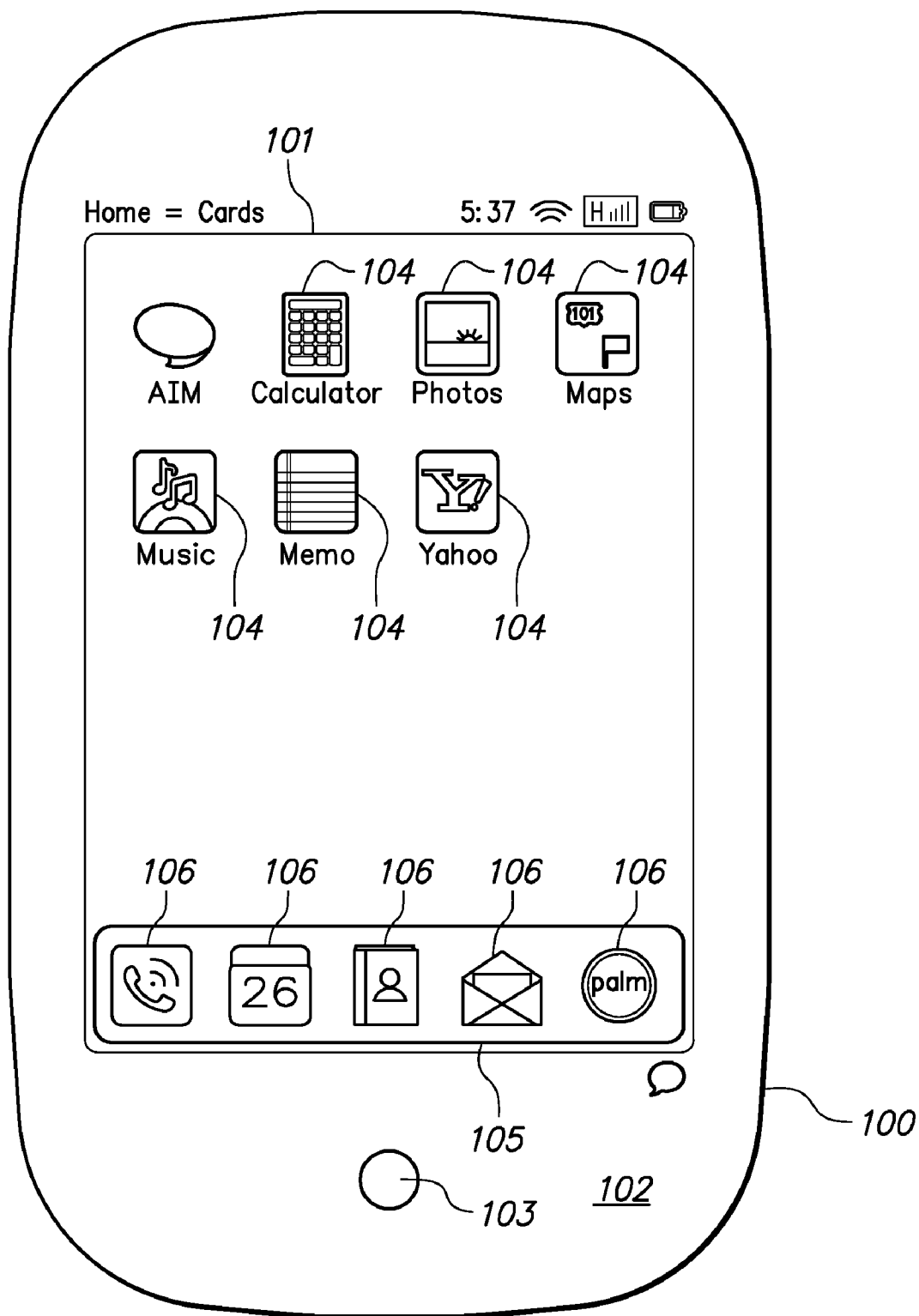
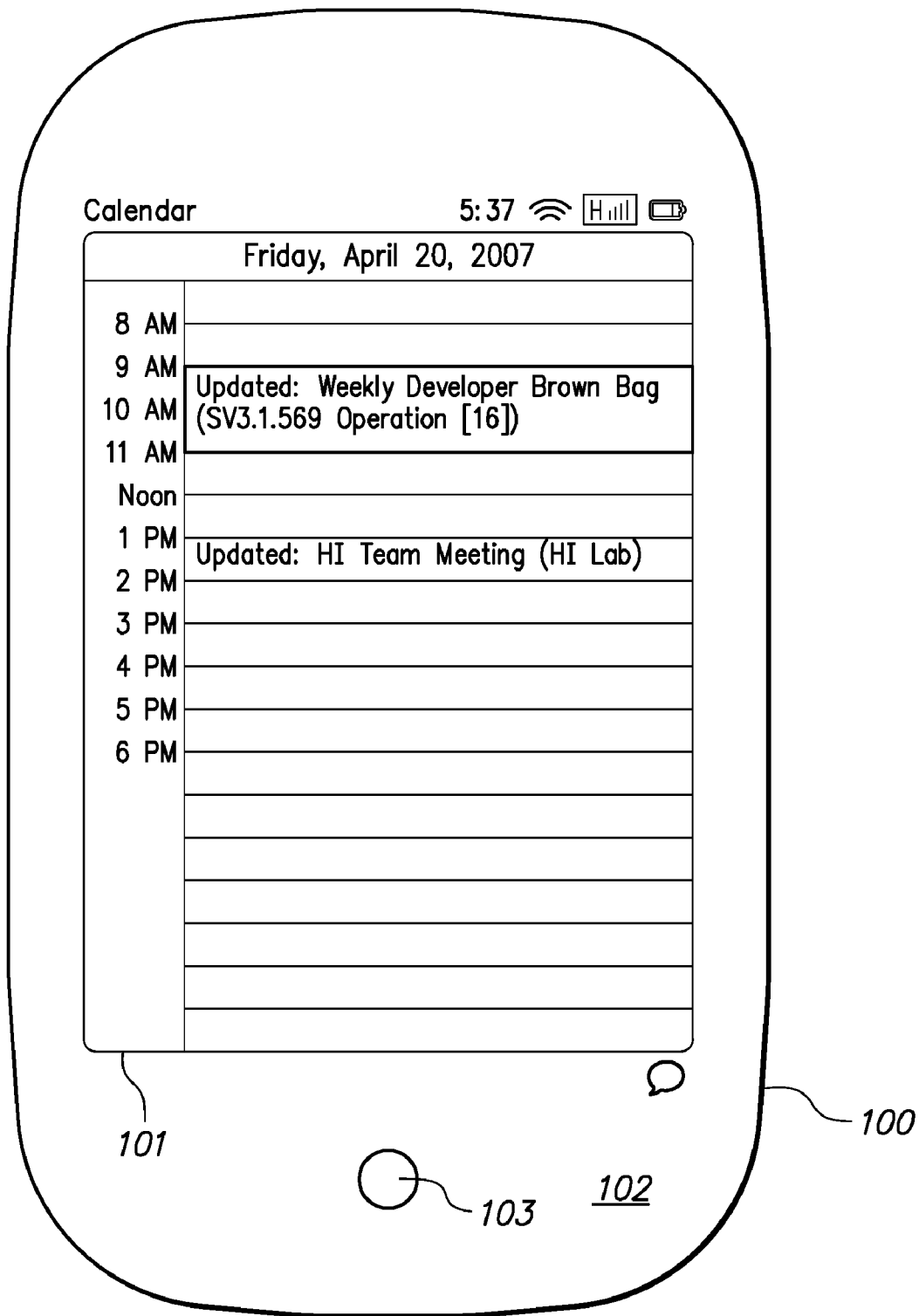


FIG. 1

**FIG. 2**

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.