



US008148622B2

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

(10) **Patent No.:** **US 8,148,622 B2**  
(45) **Date of Patent:** **Apr. 3, 2012**

(54) **MEDIA PLAYBACK QUEUING FOR PLAYBACK MANAGEMENT**

(75) Inventors: **Fletcher R. Rothkopf**, Mountain View, CA (US); **John Benjamin Filson**, San Jose, CA (US); **Kyle H. Yeates**, Palo Alto, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 157 days.

(21) Appl. No.: **12/496,402**

(22) Filed: **Jul. 1, 2009**

(65) **Prior Publication Data**

US 2011/0004330 A1 Jan. 6, 2011

(51) **Int. Cl.**

**G10H 1/00** (2006.01)  
**G10H 1/18** (2006.01)  
**G10H 7/00** (2006.01)

(52) **U.S. Cl.** ..... **84/615**; 84/604

(58) **Field of Classification Search** ..... 84/615, 84/604

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,430,537 B1\* 8/2002 Tedesco et al. .... 705/7.22  
7,205,471 B2 4/2007 Looney et al.  
7,680,849 B2 3/2010 Heller et al.  
7,797,446 B2 9/2010 Heller et al.  
7,827,259 B2 11/2010 Heller et al.  
7,860,830 B2 12/2010 Mirrashidi et al.

7,958,441 B2 6/2011 Heller et al.  
2003/0018966 A1\* 1/2003 Cook et al. .... 725/2  
2005/0240494 A1 10/2005 Cue et al.  
2005/0262259 A1 11/2005 O'Rourke et al.  
2006/0015378 A1 1/2006 Mirrashidi et al.  
2006/0156239 A1 7/2006 Jobs et al.  
2006/0247980 A1 11/2006 Mirrashidi et al.  
2007/0271312 A1 11/2007 Heller et al.  
2008/0080837 A1 4/2008 Mei et al.  
2008/0104121 A1\* 5/2008 Gottlieb et al. .... 707/104.1  
2008/0148152 A1 6/2008 Blinnikka  
2008/0189318 A1 8/2008 Bourke et al.  
2008/0281867 A1 11/2008 Kendall et al.  
2009/0063543 A1 3/2009 Martin et al.  
2009/0183060 A1\* 7/2009 Heller et al. .... 715/202  
2009/0240721 A1\* 9/2009 Giacalone, Jr. .... 707/101  
2010/0042654 A1 2/2010 Heller et al.

OTHER PUBLICATIONS

U.S. Appl. No. 10/936,233, entitled "Method and System for Dynamically Populating Groups in a Developer Environment", filed Sep. 7, 2004.  
Dennis Lloyd, "Wishing for a Play Queue for iPod", iLounge, Apr. 24, 2003, 15 pages.  
"About Play Lists", Main Help Page, iTunes, downloaded Jun. 15, 2009, 2 pages.  
"Creating a Custom Mix Using Party Shuffle", Main Help Page, iTunes, downloaded Jun. 15, 2009, 1 page.

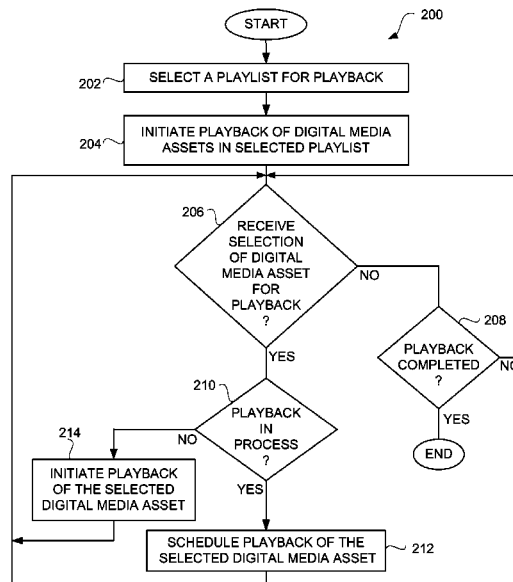
\* cited by examiner

Primary Examiner — Jeffrey Donels

(57) **ABSTRACT**

Management or coordination of playback of digital media assets by an electronic device (e.g., a computing device), that supports media playback is disclosed. According to one embodiment, the electronic device can be controlled such that a user is able to schedule playback of distinct digital media assets.

**19 Claims, 9 Drawing Sheets**



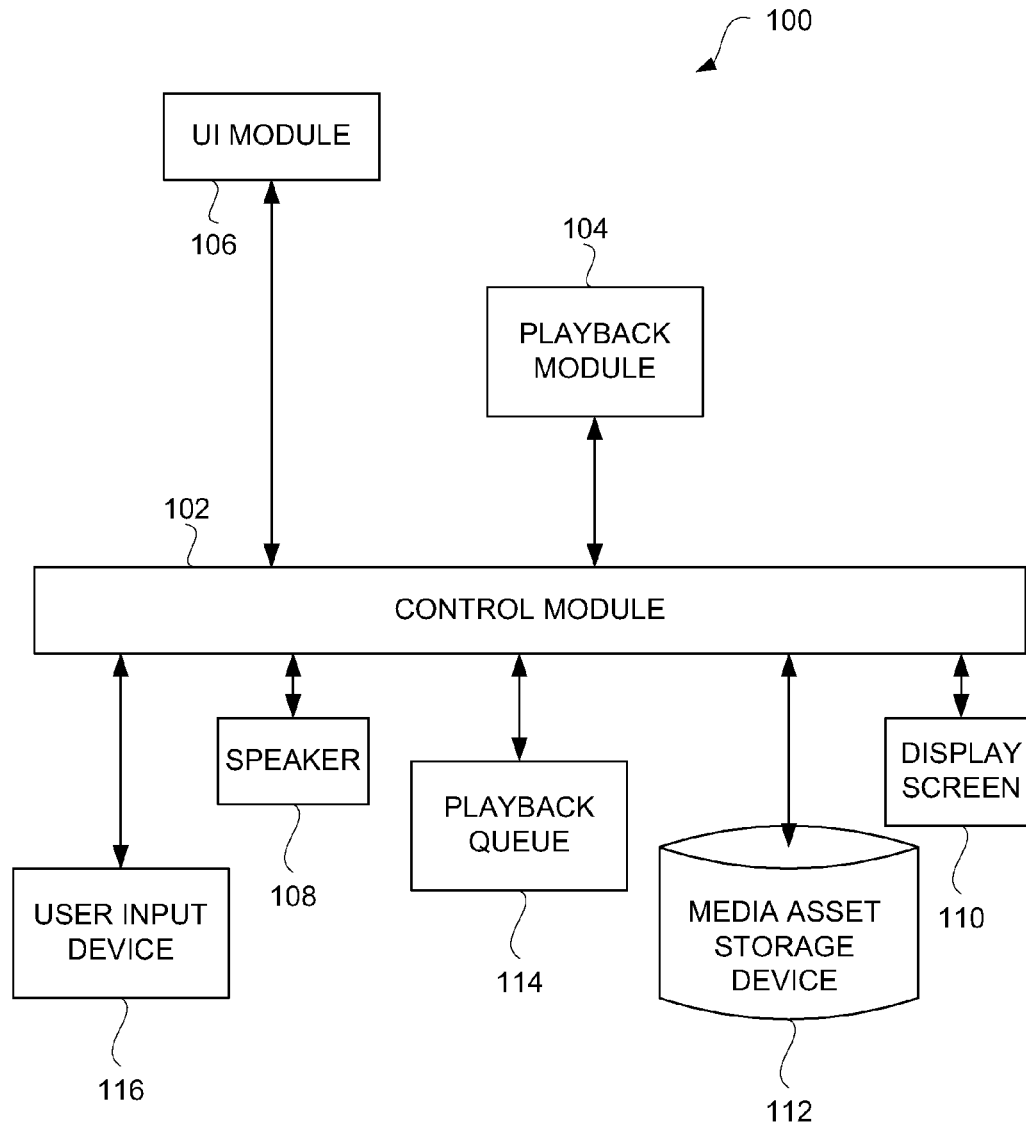


FIG. 1

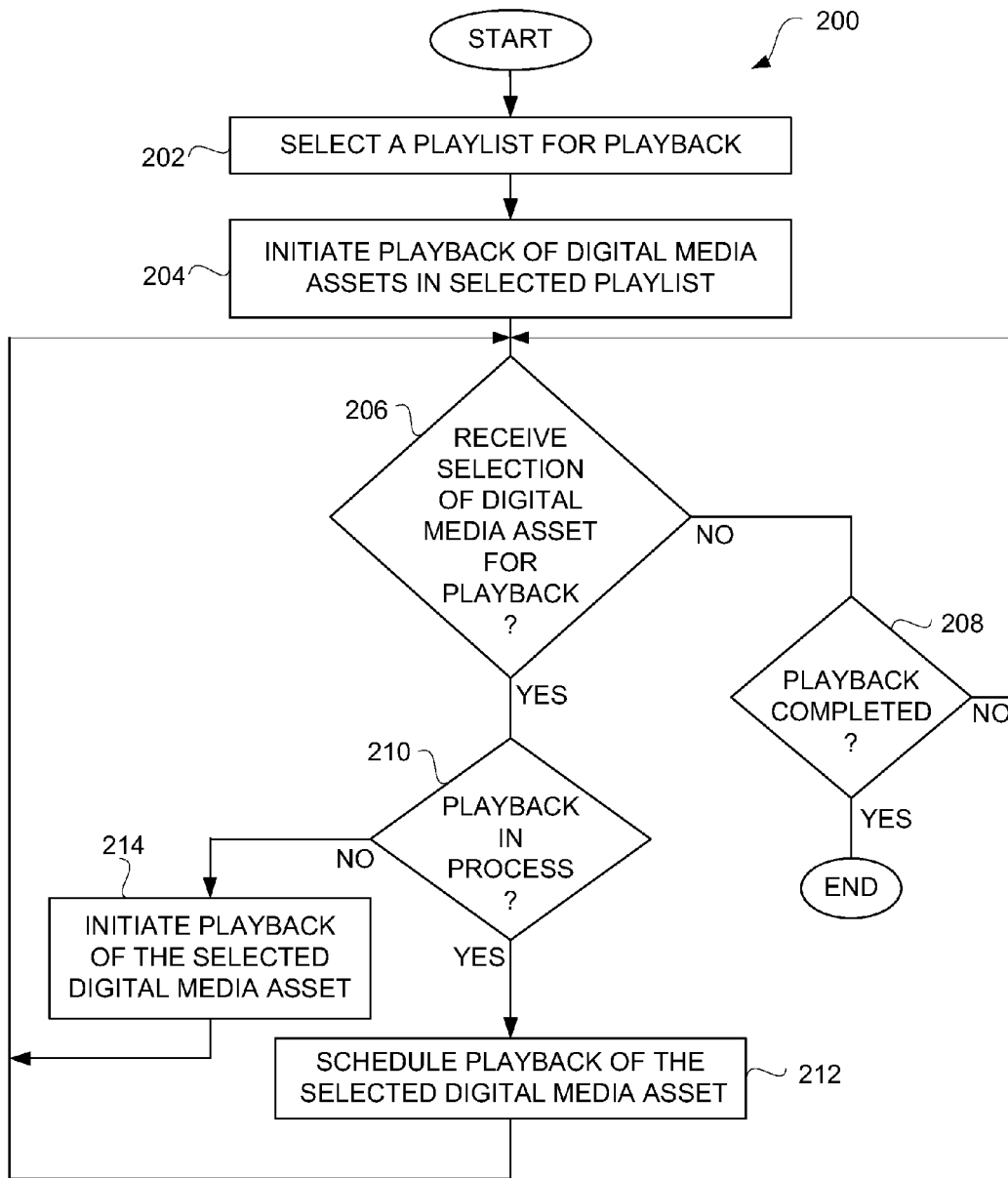


FIG. 2

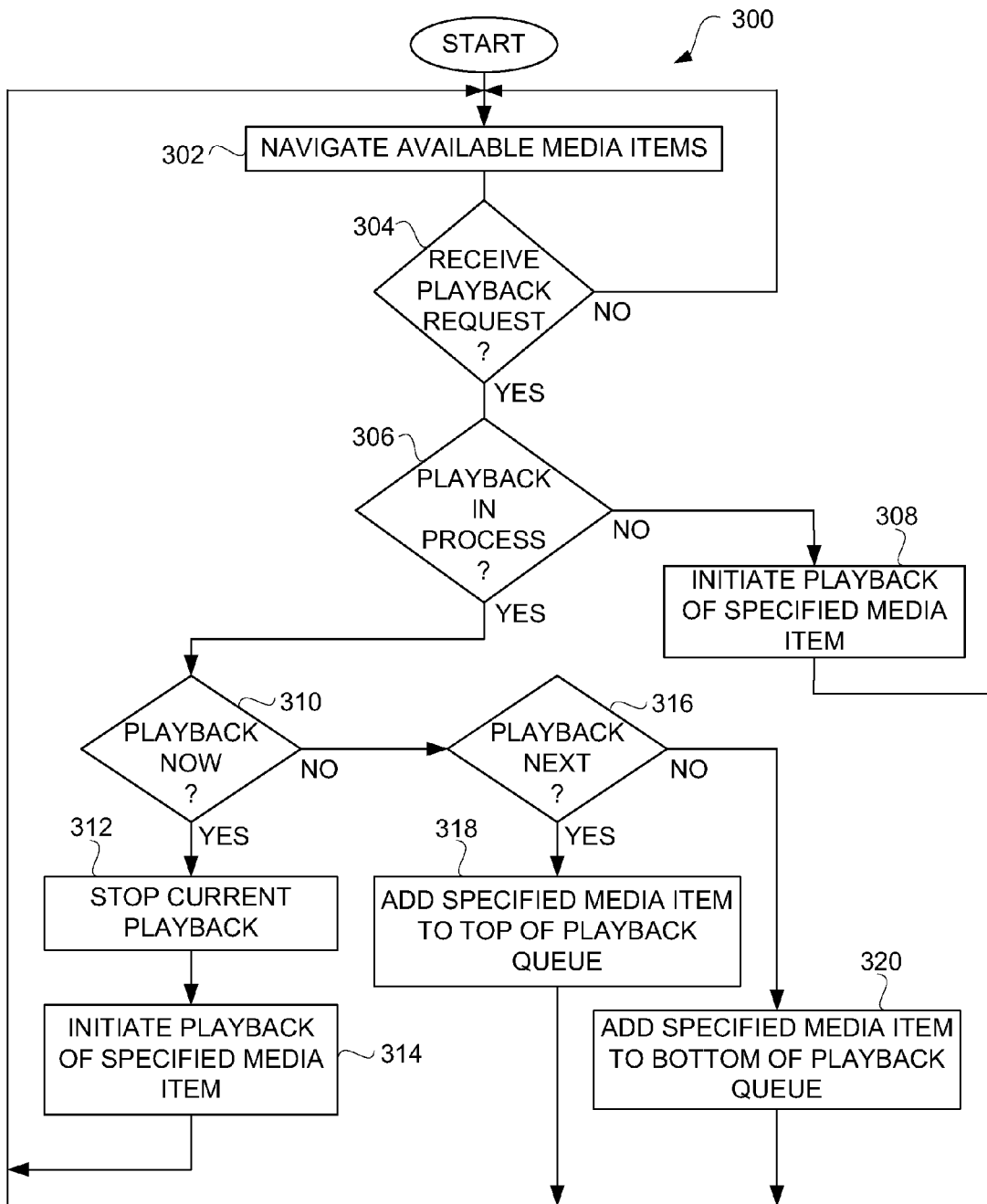


FIG. 3

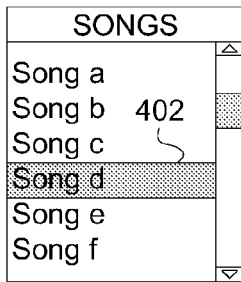


FIG. 4A

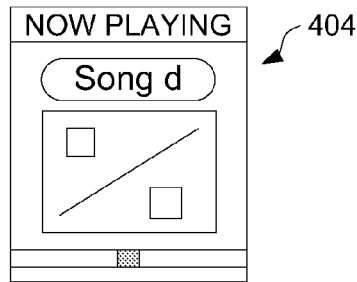


FIG. 4B

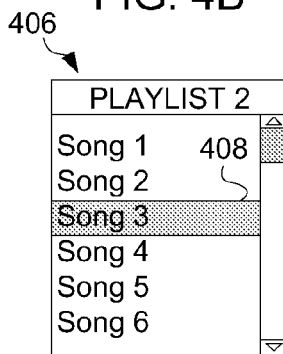


FIG. 4C

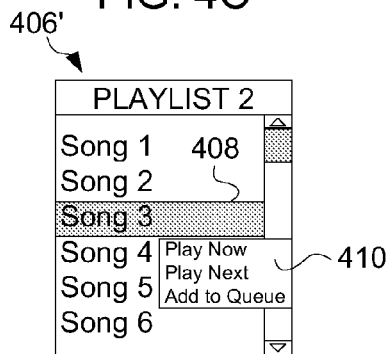


FIG. 4D

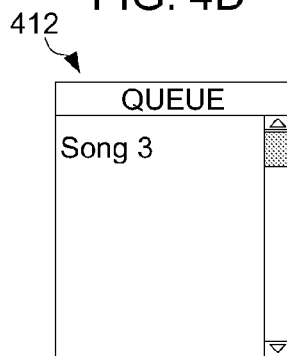


FIG. 4E

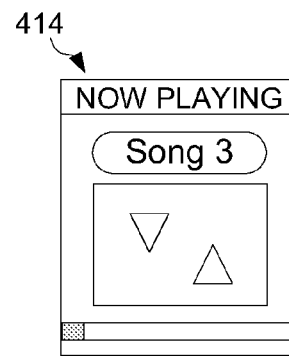


FIG. 4F

# 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.