

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2015/0153913 A1 Ballard et al.

(43) **Pub. Date:** Jun. 4, 2015

(54) SYSTEMS AND METHODS FOR INTERACTING WITH A VIRTUAL MENU

(71) Applicants: Brian Adams Ballard, Herndon, VA (US); James Leighton Athey, Washington, DC (US); Jeffrey Edward Jenkins, Clarksburg, MD (US); Todd Richard Reily, Stoneham, MA (US); Harold Ronald Villanueva Tagunicar, Falls Church, VA (US); Michael Anthony Sciscenti, Ashburn, VA (US)

(72) Inventors: Brian Adams Ballard, Herndon, VA (US); James Leighton Athey, Washington, DC (US); Jeffrey Edward Jenkins, Clarksburg, MD (US); Todd Richard Reily, Stoneham, MA (US); Harold Ronald Villanueva Tagunicar, Falls Church, VA (US); Michael Anthony Sciscenti, Ashburn, VA (US)

(73) Assignee: APX LABS, LLC, Herndon, VA (US)

(21) Appl. No.: 14/556,622

(22) Filed: Dec. 1, 2014

Related U.S. Application Data

Provisional application No. 61/910,419, filed on Dec. 1, 2013, provisional application No. 61/910,425, filed on Dec. 1, 2013, provisional application No. 62/043, 759, filed on Aug. 29, 2014.

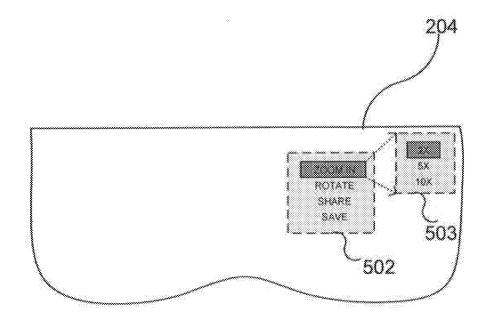
Publication Classification

(51) Int. Cl. G06F 3/0482 (2006.01)G02B 27/01 (2006.01)G06F 3/01 (2006.01)G06F 3/16 (2006.01)

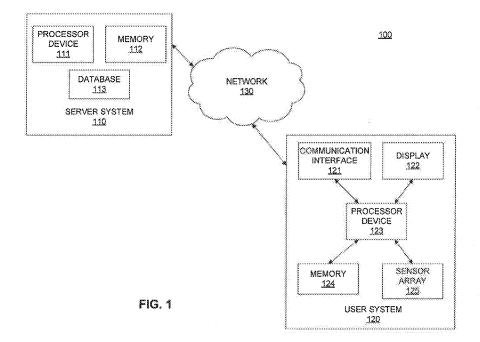
(52) U.S. Cl. CPC G06F 3/0482 (2013.01); G06F 3/167 (2013.01); G02B 27/017 (2013.01); G06F 3/013 (2013.01); G02B 2027/0178 (2013.01)

ABSTRACT (57)

Systems and methods allow a user to interact with an augmented reality device. In one implementation, a wearable device for providing a virtual menu to a user includes a display; at least one sensor configured to provide an output indicative of a viewing direction the user; and at least one processing device. The at least one processing device is configured to cause a virtual menu to be shown on the display; monitor a viewing direction of the user based on the output of the at least one sensor; determine, based on the monitored viewing direction, whether the user is looking in a direction of a selectable element of the virtual menu; determine an amount of time that the user looks in the direction of the selectable element; and cause at least one action associated with the selectable element if the amount of time exceeds a predetermined dwell time threshold.







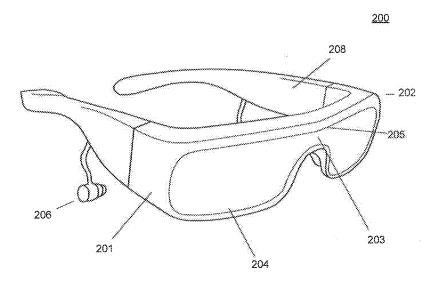


FIG. 2

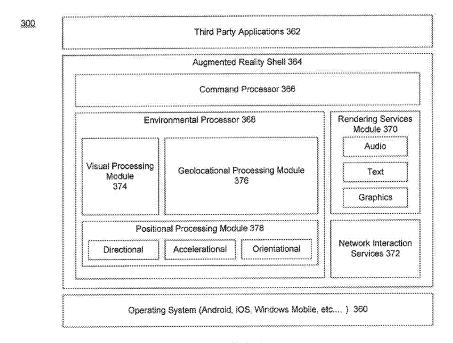


FIG. 3

400

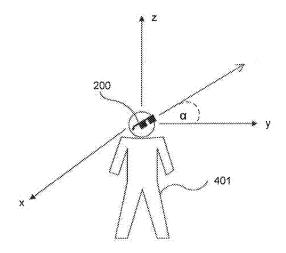


FIG. 4



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.

