



US009092768B2

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

(10) **Patent No.:** **US 9,092,768 B2**
(45) **Date of Patent:** **Jul. 28, 2015**

(54) **MACHINE RETROFITS AND INTERACTIVE SODA FOUNTAINS**

(75) Inventors: **Paul T. Breitenbach**, Wilton, CT (US);
Paul D. Signorelli, Ridgefield, CT (US);
Igor Zhuk, Weston, CT (US)

(73) Assignee: **R4 Technologies, LLC**, Ridgefield, CT (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1083 days.

(21) Appl. No.: **13/004,860**

(22) Filed: **Jan. 11, 2011**

(65) **Prior Publication Data**

US 2011/0168290 A1 Jul. 14, 2011

Related U.S. Application Data

(60) Provisional application No. 61/294,101, filed on Jan. 11, 2010, provisional application No. 61/331,208, filed on May 4, 2010.

(51) **Int. Cl.**
B65B 1/30 (2006.01)
G06Q 20/32 (2012.01)
B67D 7/14 (2010.01)
B67D 7/34 (2010.01)
G06Q 10/06 (2012.01)
G06Q 20/20 (2012.01)

G06Q 30/02 (2012.01)
G06Q 30/06 (2012.01)
G07F 13/06 (2006.01)

(52) **U.S. Cl.**
CPC **G06Q 20/32** (2013.01); **B67D 7/145** (2013.01); **B67D 7/348** (2013.01); **G06Q 10/06311** (2013.01); **G06Q 20/20** (2013.01); **G06Q 30/0277** (2013.01); **G06Q 30/0601** (2013.01); **G06Q 30/0613** (2013.01); **G06Q 30/0639** (2013.01); **G07F 13/065** (2013.01)

(58) **Field of Classification Search**
CPC B67D 7/348; B67D 7/145
USPC 141/1, 94
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,951,719 A * 8/1990 Wiley et al. 141/1
5,058,630 A * 10/1991 Wiley et al. 141/1
5,074,341 A * 12/1991 Credle et al. 141/1
6,354,342 B1 * 3/2002 Gagliano 141/94

* cited by examiner

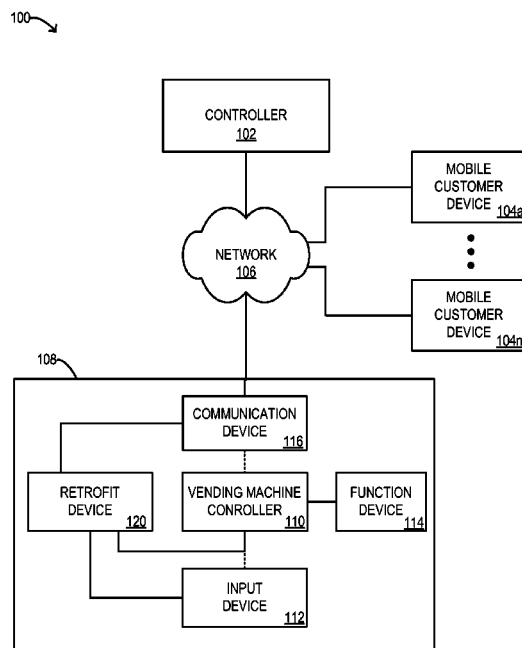
Primary Examiner — Jason K Niesz

(74) *Attorney, Agent, or Firm* — Fincham Downs, LLC;
Carson C.K. Fincham

(57) **ABSTRACT**

Systems, apparatus, methods, and articles of manufacture for machine retrofits and interactive soda fountains are provided.

1 Claim, 10 Drawing Sheets



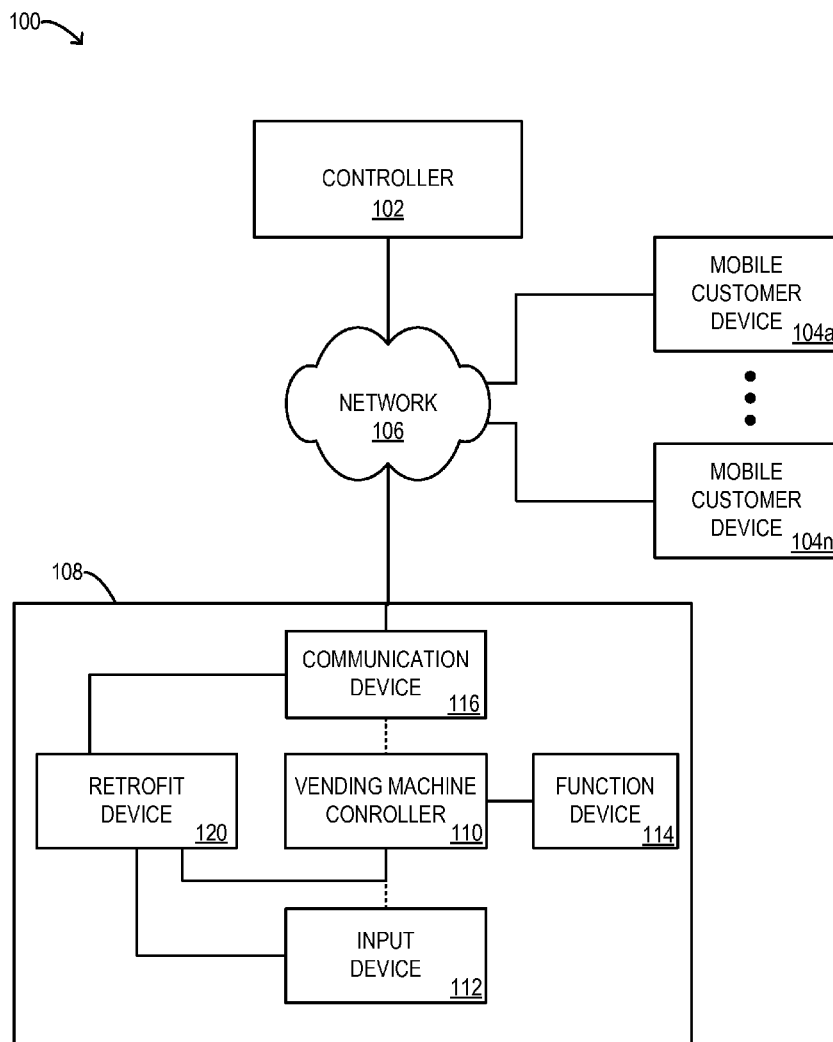


FIG. 1

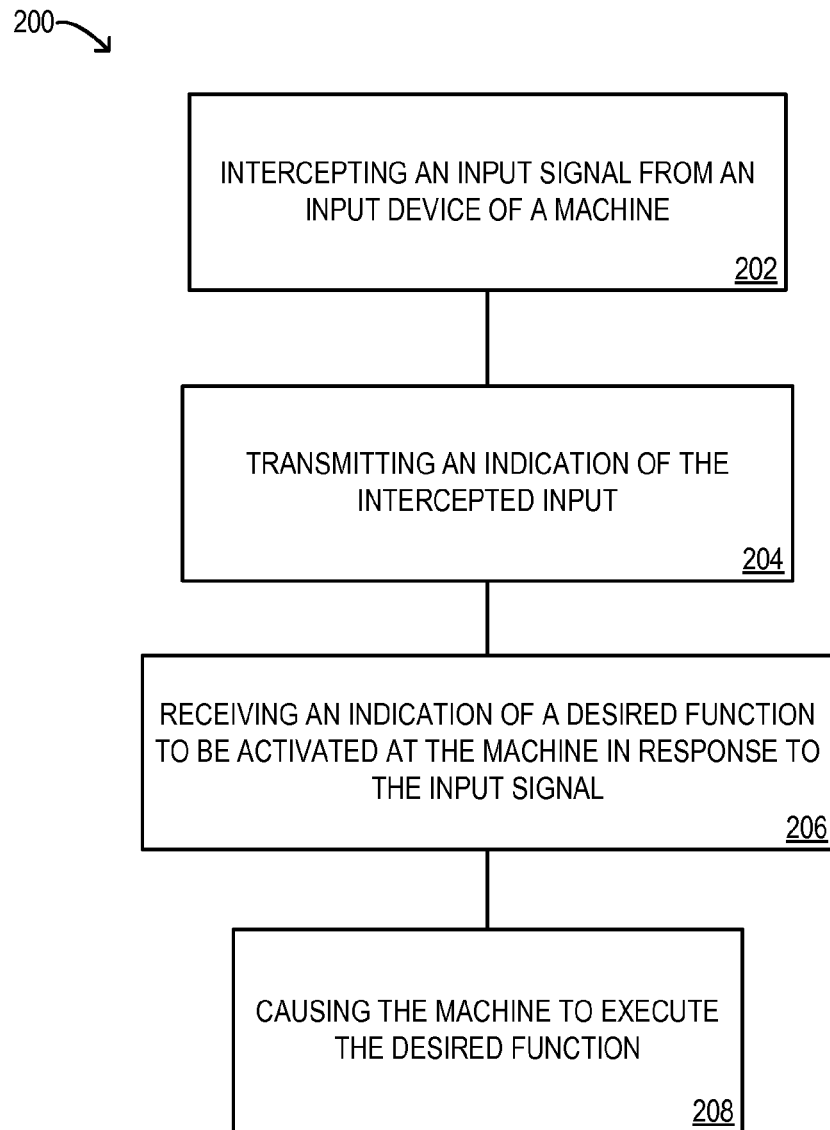


FIG. 2

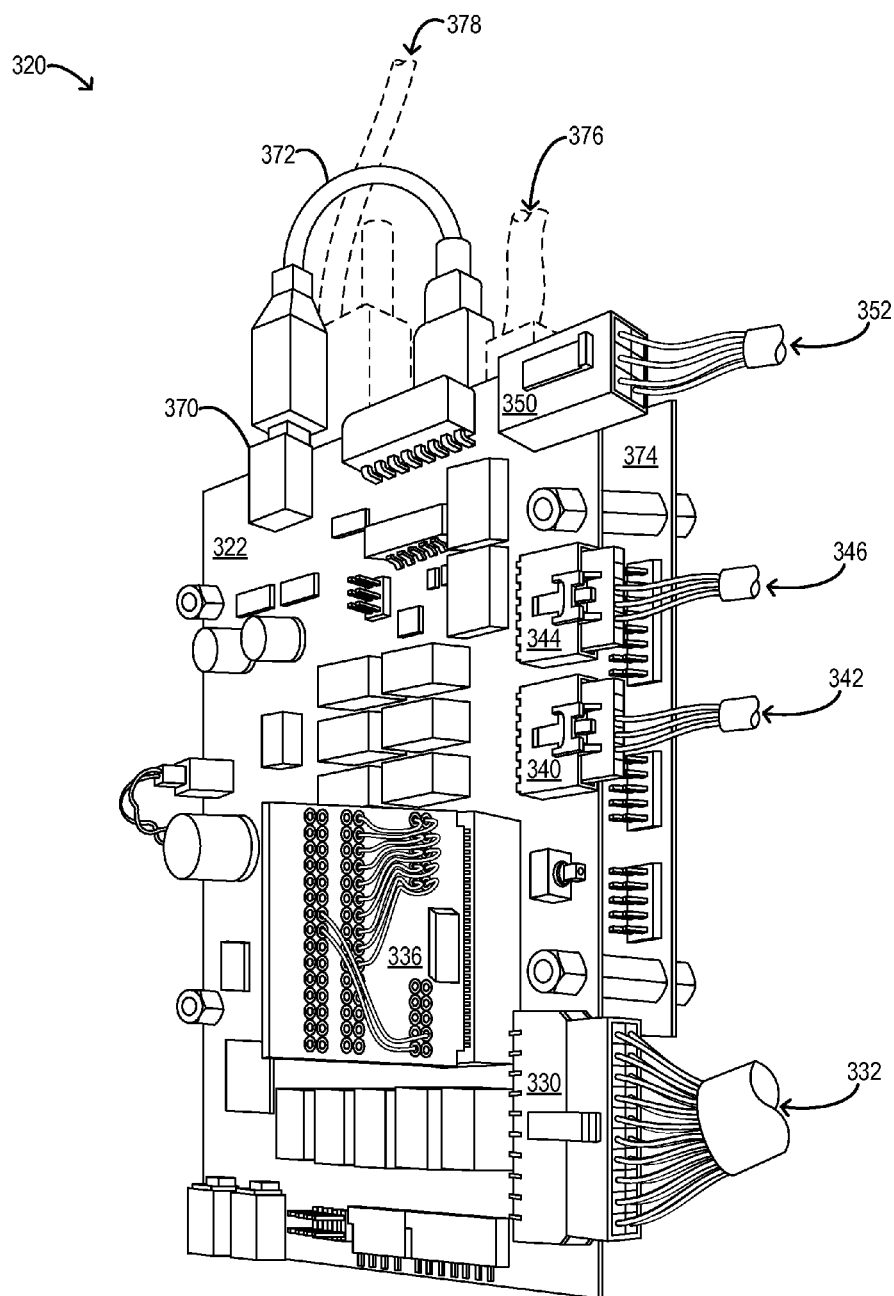


FIG. 3

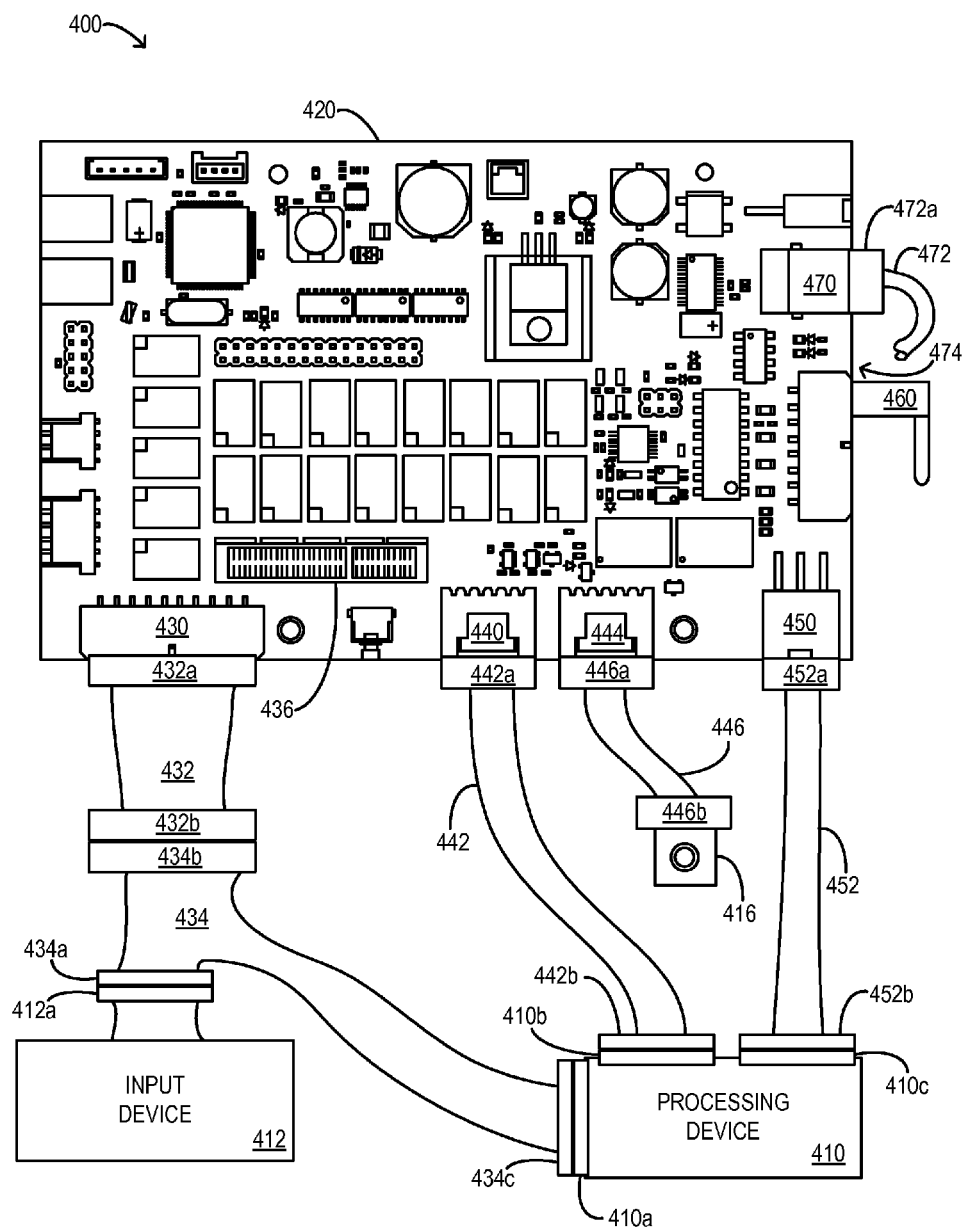


FIG. 4

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.