



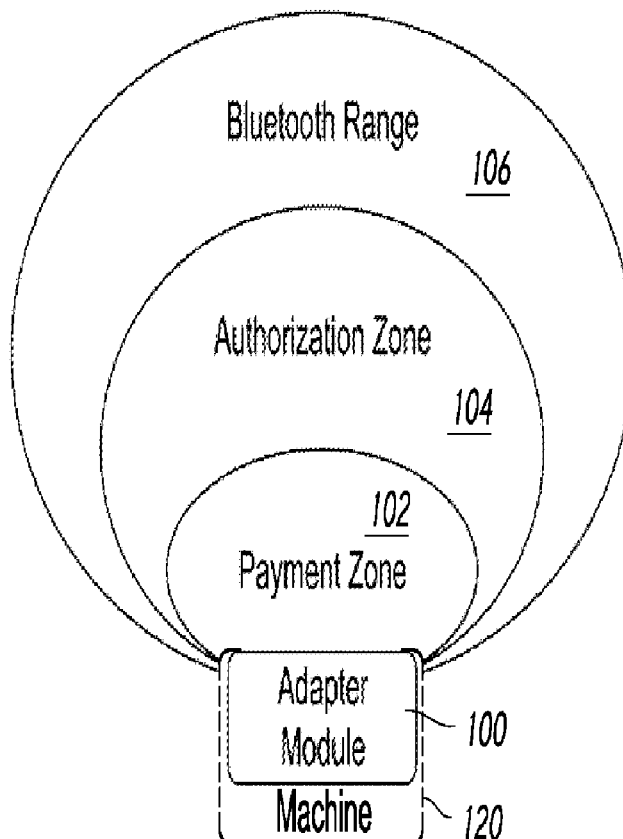
US 20170193508A1

(19) **United States**(12) **Patent Application Publication****Patel et al.**(10) **Pub. No.: US 2017/0193508 A1**(43) **Pub. Date:****Jul. 6, 2017**(54) **METHOD AND SYSTEM FOR PERFORMING
MOBILE DEVICE-TO-MACHINE PAYMENTS****G06Q 20/18** (2006.01)**G06Q 20/38** (2006.01)(71) Applicant: **PAYRANGE INC.**, Portland, OR (US)(52) **U.S. Cl.****CPC** **G06Q 20/405** (2013.01); **G06Q 20/3821**
(2013.01); **G06Q 20/3226** (2013.01); **G06Q**
20/327 (2013.01); **G06Q 20/18** (2013.01);
G06Q 20/3829 (2013.01); **G06Q 20/401**
(2013.01); **G06Q 2220/00** (2013.01)(72) Inventors: **Paresh K. Patel**, Portland, OR (US);
Chau M. Doan, Beaverton, OR (US)(21) Appl. No.: **15/406,492**(22) Filed: **Jan. 13, 2017****Related U.S. Application Data**(63) Continuation of application No. 14/335,762, filed on
Jul. 18, 2014, now Pat. No. 9,547,859, which is a
continuation of application No. 14/214,644, filed on
Mar. 14, 2014, now Pat. No. 8,856,045, which is a
continuation-in-part of application No. 29/477,025,
filed on Dec. 18, 2013, now Pat. No. Des. 755,183.(60) Provisional application No. 61/917,936, filed on Dec.
18, 2013.**Publication Classification**(51) **Int. Cl.****G06Q 20/40** (2006.01)**G06Q 20/32** (2006.01)

(57)

ABSTRACT

A device with one or more processors, memory, and two or more communication capabilities obtains, from a payment module, an authorization request via a first communication capability (e.g., Bluetooth). The device sends, to a server, the authorization request via a second communication capability distinct from the first communication capability (e.g., cellular or WiFi technology). In response to sending the authorization request, the device obtains, from the server, authorization information via the second communication capability. After obtaining the authorization information, the device detects a trigger condition to perform a transaction with a payment accepting unit associated with the payment module. In response to detecting the trigger condition, the device sends, to the payment module, at least a portion of the authorization information via the first communication capability.



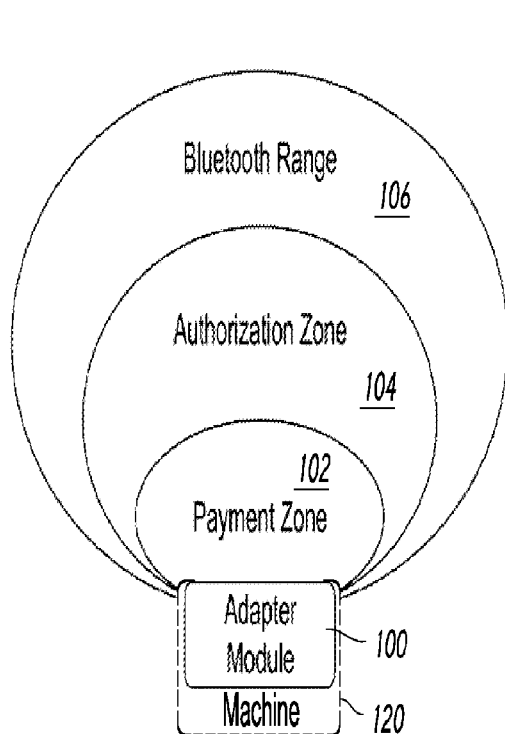


FIG. 1

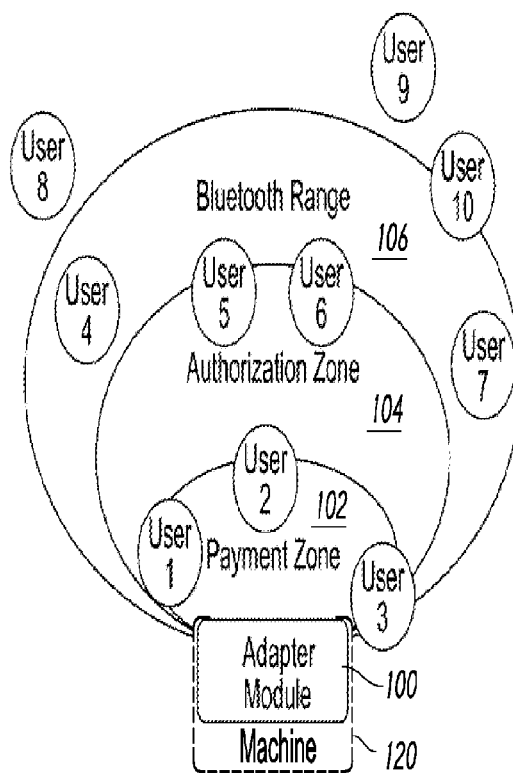


FIG. 2

Tab	Favorite?	Alert	View to User
All	Yes	No	User can make Hands-free Credit with the connected vending machine
All	No	Yes	User needs to launch Mobile Device and then swipe to make transaction manually
Favorite	Yes	No	Hands-free transaction will be available to the user via vending machine
Favorite	No	No	User is not alerted for the vending machine which is not a favorite machine. Hands-free mode will not work, manual swipe for transaction required by user.
Either All or Favorite	Yes	Yes	BUT Hands-free Credit is not available (disabled by module, expired AuthGrant, insufficient balance, or other issue), then user will get an alert so that user can swipe credit manually.

FIG. 3

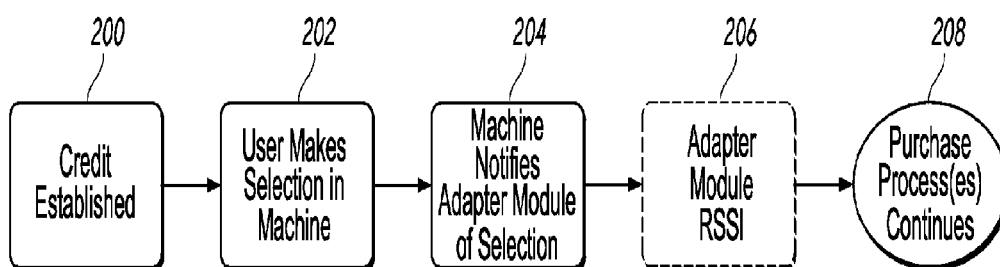


FIG. 4

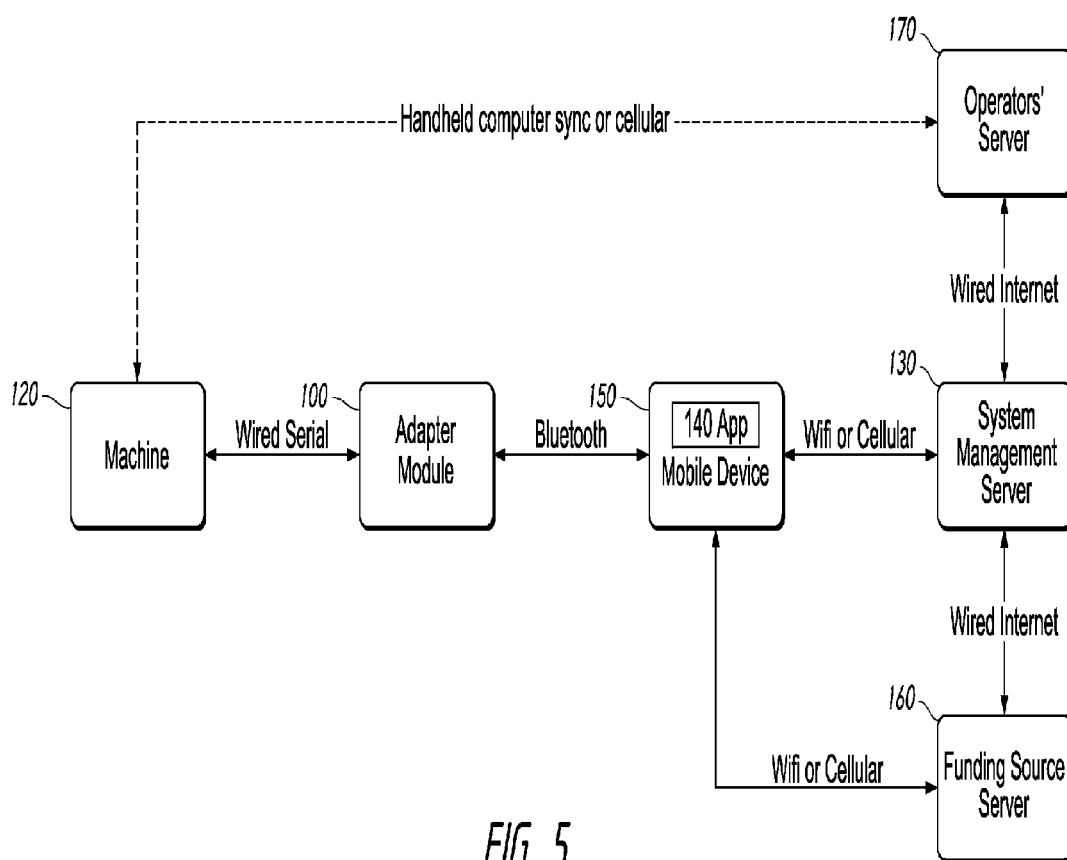


FIG. 5

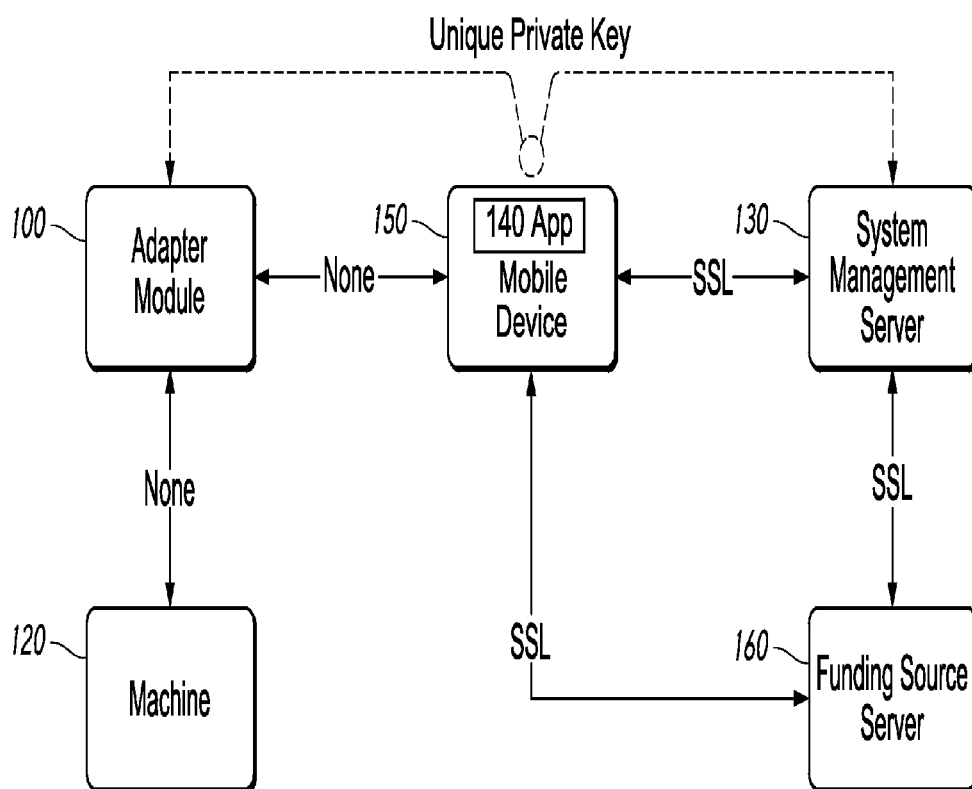


FIG. 6

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.