

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0055792 A1**

**Kinoshita et al.**

(43) **Pub. Date: Mar. 20, 2003**

(54) **ELECTRONIC PAYMENT METHOD, SYSTEM, AND DEVICES**

(30) **Foreign Application Priority Data**

(76) Inventors: **Masaki Kinoshita**, Tokyo (JP); **Junichi Yoshida**, Tokyo (JP); **Atsushi Nakajima**, Tokyo (JP); **Manabu Tanaka**, Tokyo (JP); **Kazutoyo Hanada**, Kawasaki-shi (JP); **Jun Yasuda**, Fujimi-shi (JP); **Syuichi Tomita**, Tokyo (JP); **Taijiro Nakamura**, Tokyo (JP); **Hideaki Ishibashi**, Tokyo (JP)

Jul. 23, 2001 (JP) ..... 2001-222163  
 Jan. 29, 2002 (JP) ..... 2002-020410

**Publication Classification**

(51) **Int. Cl.<sup>7</sup>** ..... **H04K 1/00**  
 (52) **U.S. Cl.** ..... **705/67**

(57) **ABSTRACT**

A portable device authenticates a user of the portable device. If authenticity of the user is confirmed, a user ID is transmitted to a POS terminal. Upon receipt of the user ID, the POS terminal sends a request for payment including the user ID and transaction information to a payment gateway. Upon receipt of the request, the payment gateway sends an email to the portable device to execute an application for payment stored in the portable device.

Correspondence Address:  
**BRINKS HOFER GILSON & LIONE**  
**P.O. BOX 10395**  
**CHICAGO, IL 60611 (US)**

(21) Appl. No.: **10/199,993**

(22) Filed: **Jul. 19, 2002**

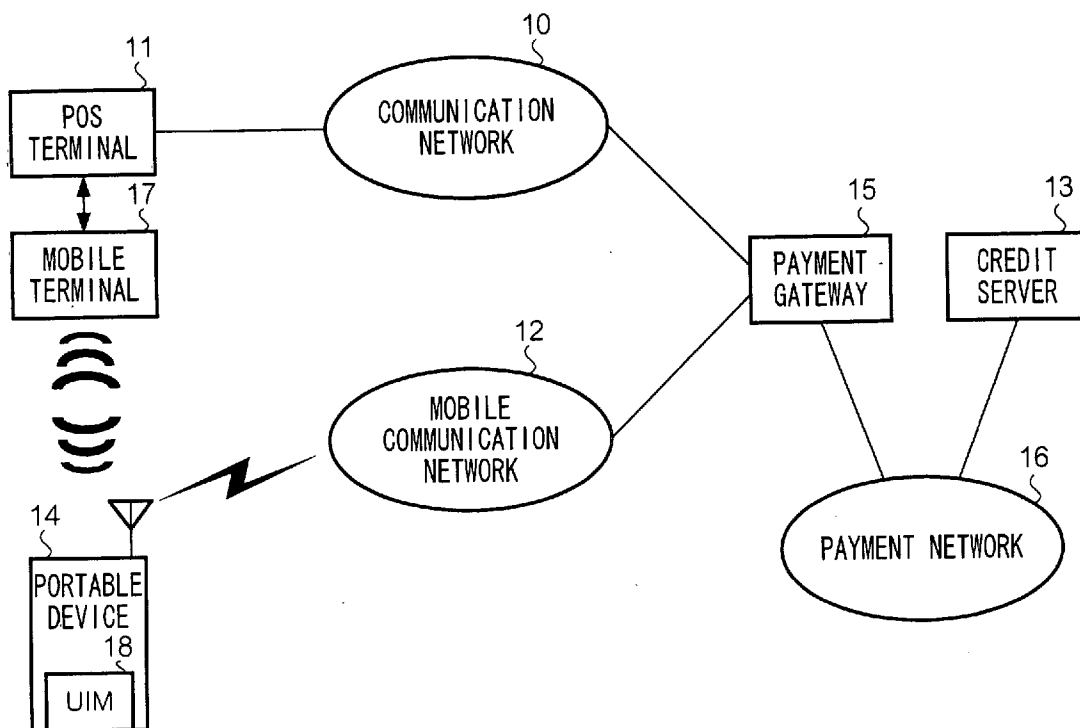


FIG. 1

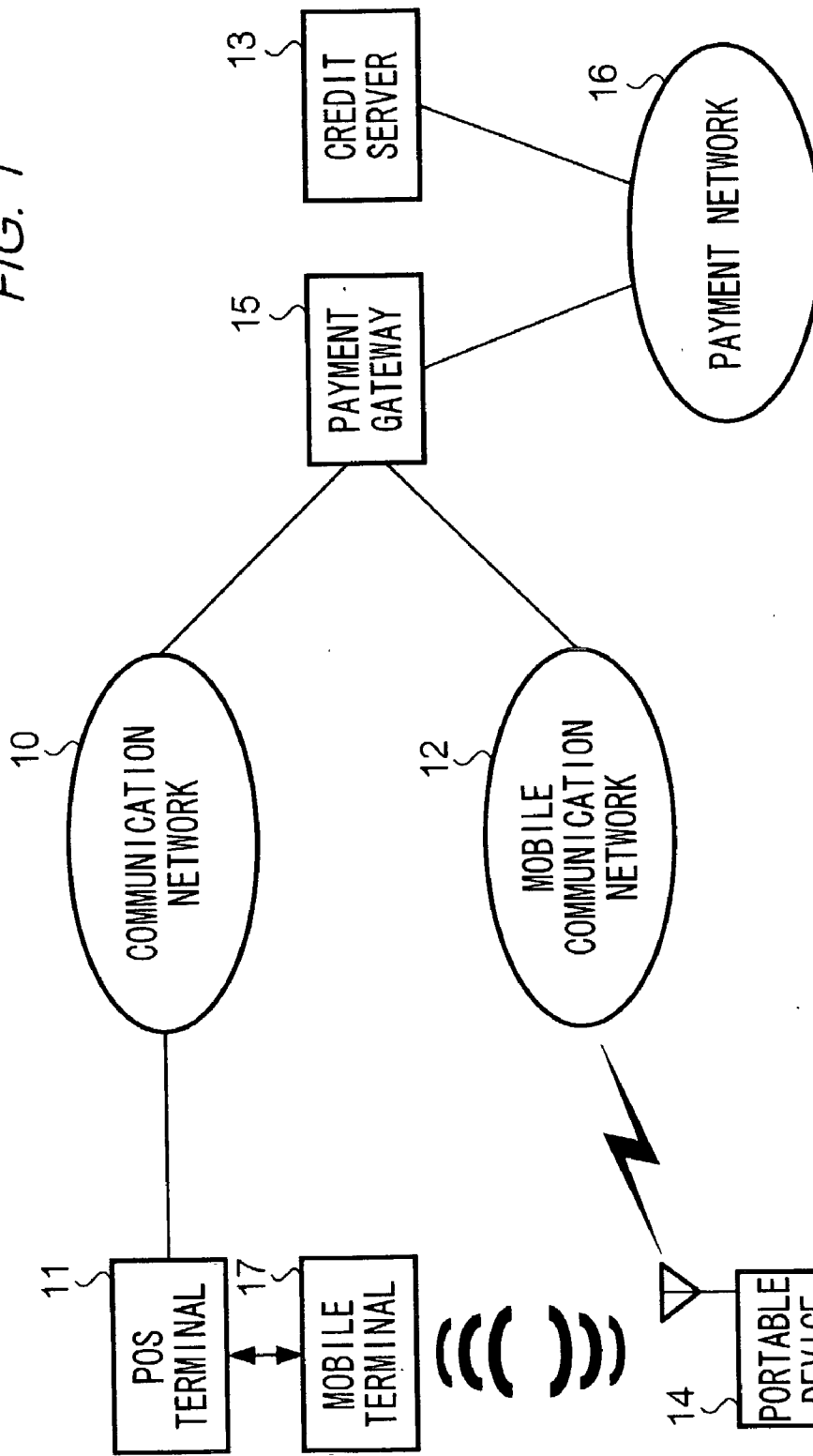


FIG. 2

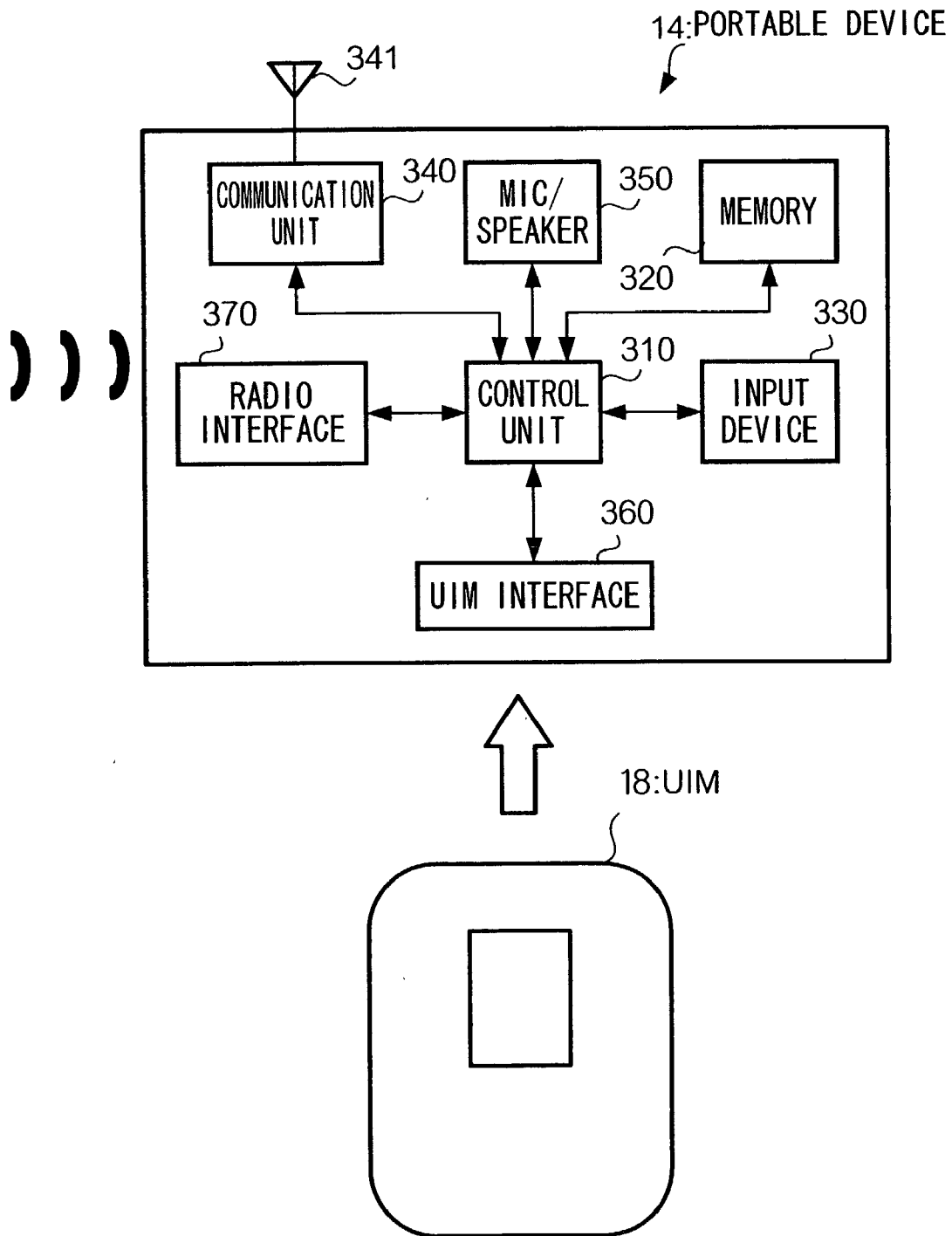


FIG. 3

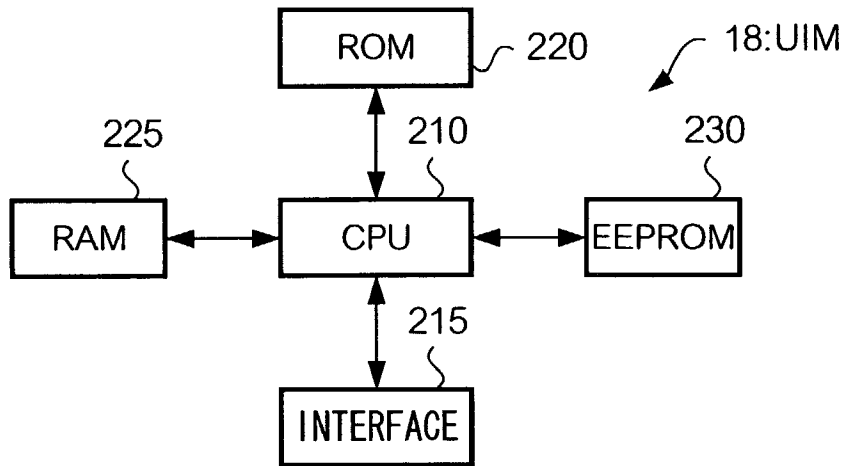


FIG. 4

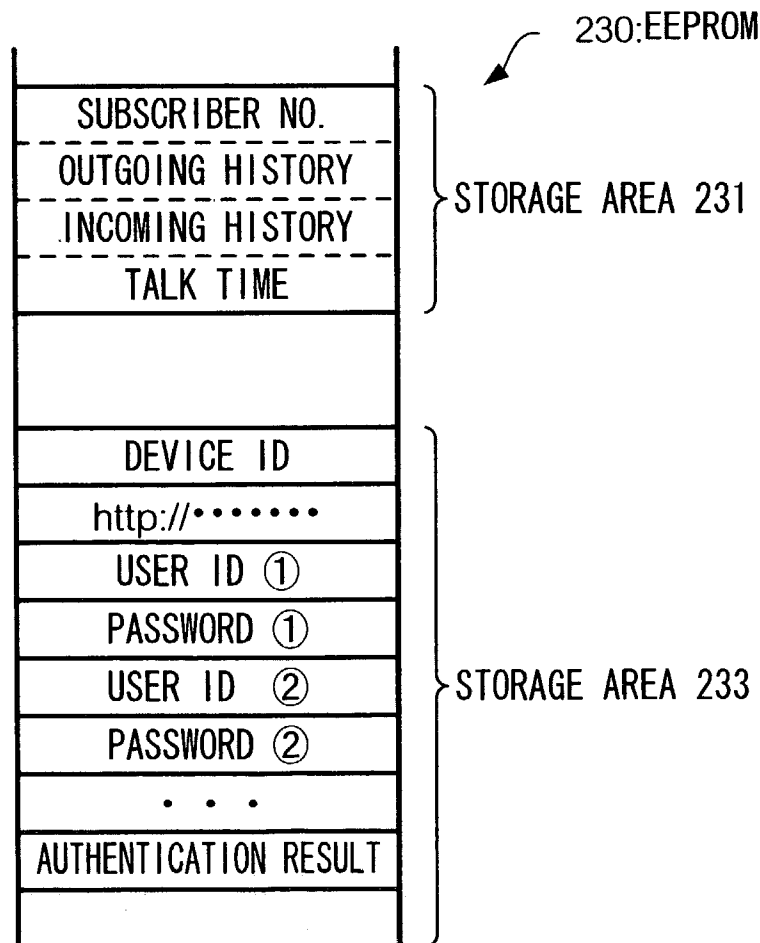
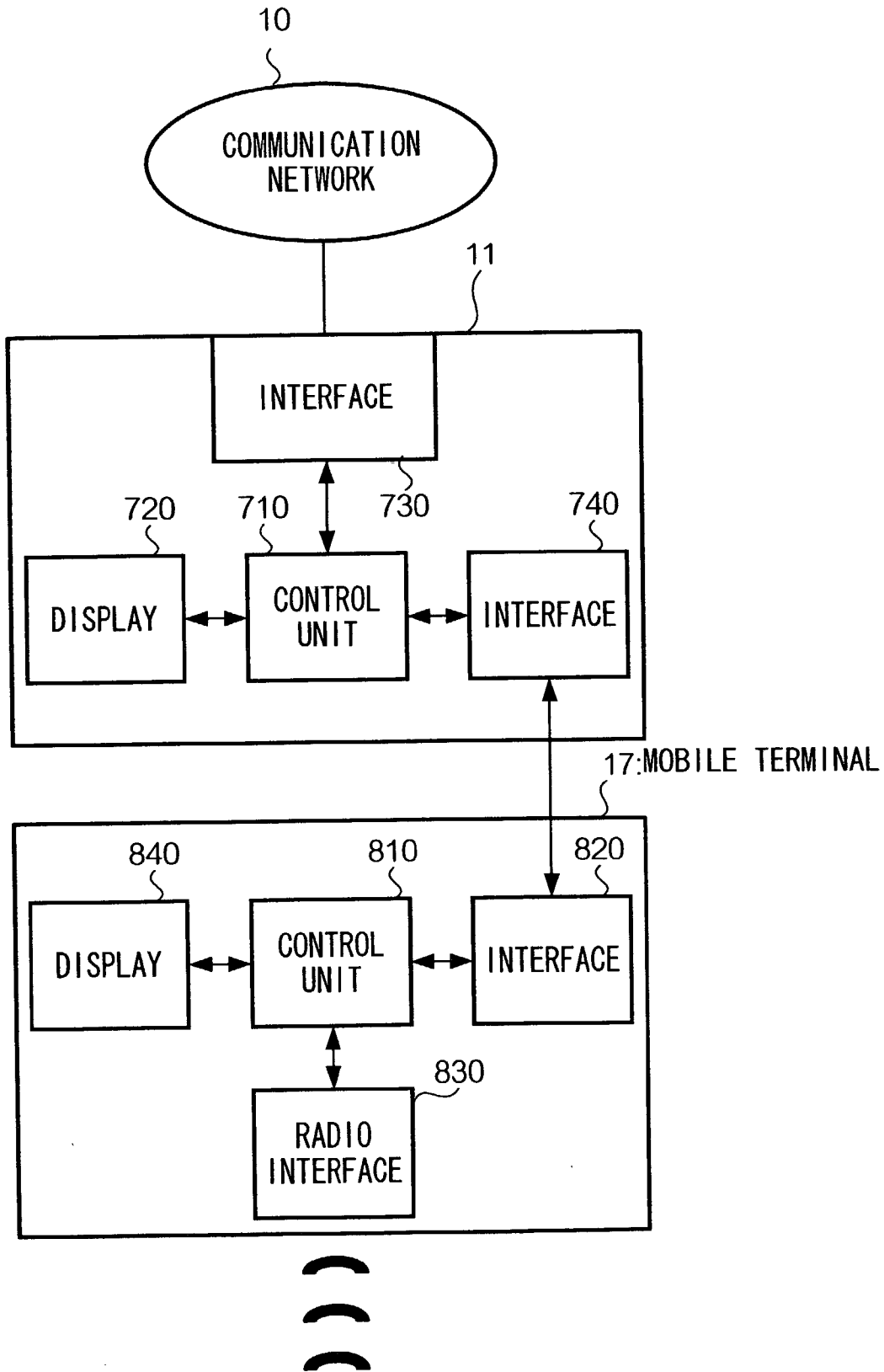


FIG. 5



# 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.