



US007865141B2

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

(10) **Patent No.:** **US 7,865,141 B2**  
(45) **Date of Patent:** **Jan. 4, 2011**

(54) **CHIPSET FOR MOBILE WALLET SYSTEM**

(56) **References Cited**

(75) Inventors: **Dave Ta-Wu Liao**, Saratoga, CA (US);  
**Steven Donald Edelson**, Saratoga, CA (US)

U.S. PATENT DOCUMENTS

6,776,339 B2 *	8/2004	Piikivi .....	235/451
7,200,420 B2 *	4/2007	Rankin .....	455/558
7,520,438 B2 *	4/2009	Kim et al. ....	235/492
2005/0274803 A1 *	12/2005	Lee .....	235/439

(73) Assignee: **Silicon Storage Technology, Inc.**,  
Sunnyvale, CA (US)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 874 days.

\* cited by examiner

*Primary Examiner*—Charles N Appiah

*Assistant Examiner*—Michael T Vu

(74) *Attorney, Agent, or Firm*—DLA Piper LLP (US)

(21) Appl. No.: **11/808,151**

(22) Filed: **Jun. 7, 2007**

(57) **ABSTRACT**

(65) **Prior Publication Data**

US 2007/0293155 A1 Dec. 20, 2007

**Related U.S. Application Data**

(60) Provisional application No. 60/813,440, filed on Jun. 15, 2006.

(51) **Int. Cl.**

**H04B 7/00** (2006.01)

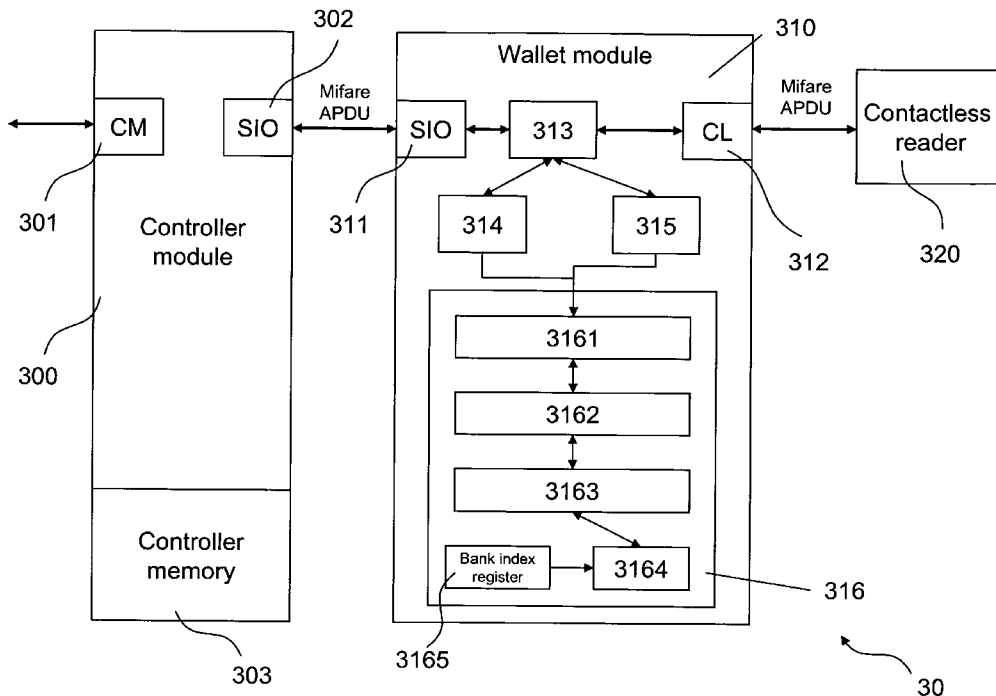
(52) **U.S. Cl.** ..... **455/41.2**; 455/558; 455/434.1;  
455/574; 235/439; 235/441; 235/492

(58) **Field of Classification Search** ..... 455/41.2,  
455/558, 574, 343.1

See application file for complete search history.

The invention presents a chipset for a mobile wallet system in a communication terminal having a SIM socket and a RFID antenna. The chipset includes a wallet module and a controller module. The wallet module has a contactless interface port coupled to the RFID antenna and a wallet memory for storing wallet applications. The controller module, connected to the SIM socket of the communication terminal, has a controller memory stored with SIM function software, mobile wallet application software and software to control the wallet module. The controller module is powered through the SIM socket, and the wallet module is powered through the SIM socket and the RFID antenna.

**15 Claims, 7 Drawing Sheets**



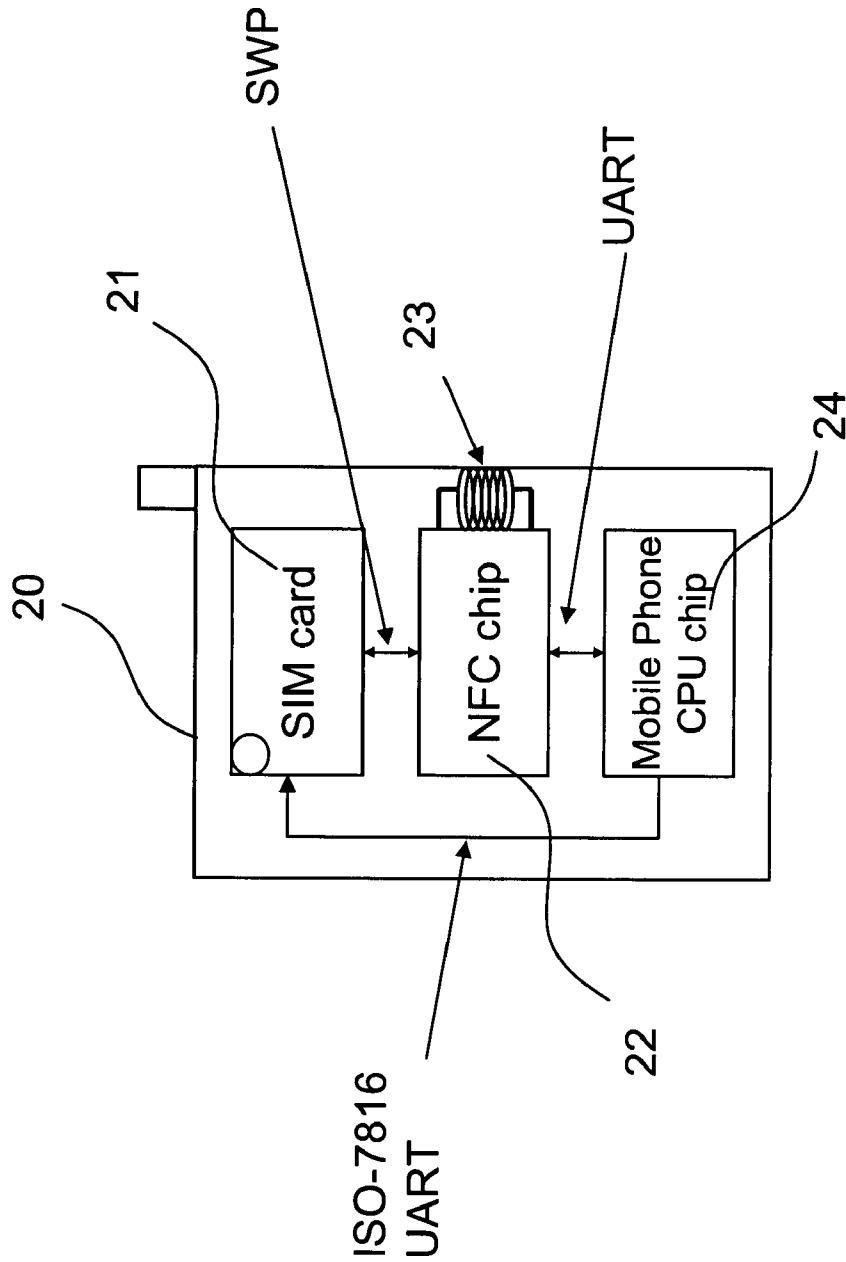


Fig. 1 (Prior Art)

PORTABLE  
TELEPHONE SET  
10

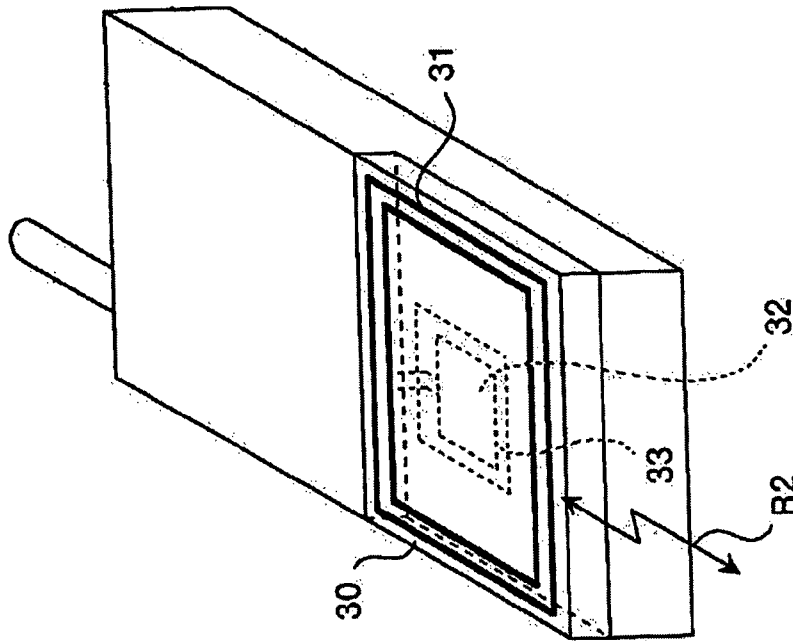


Fig. 2 (Prior Art)

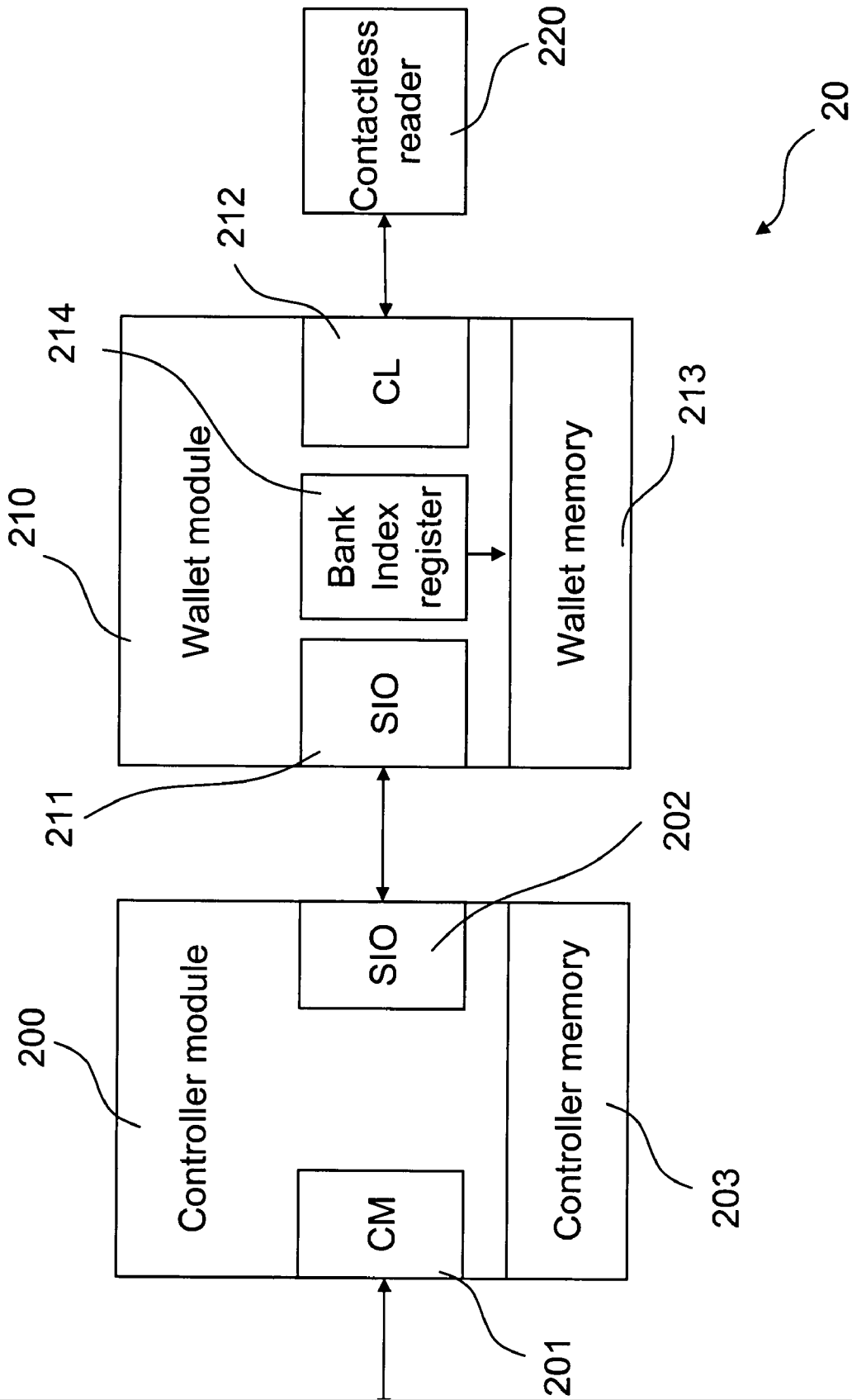


Fig. 3

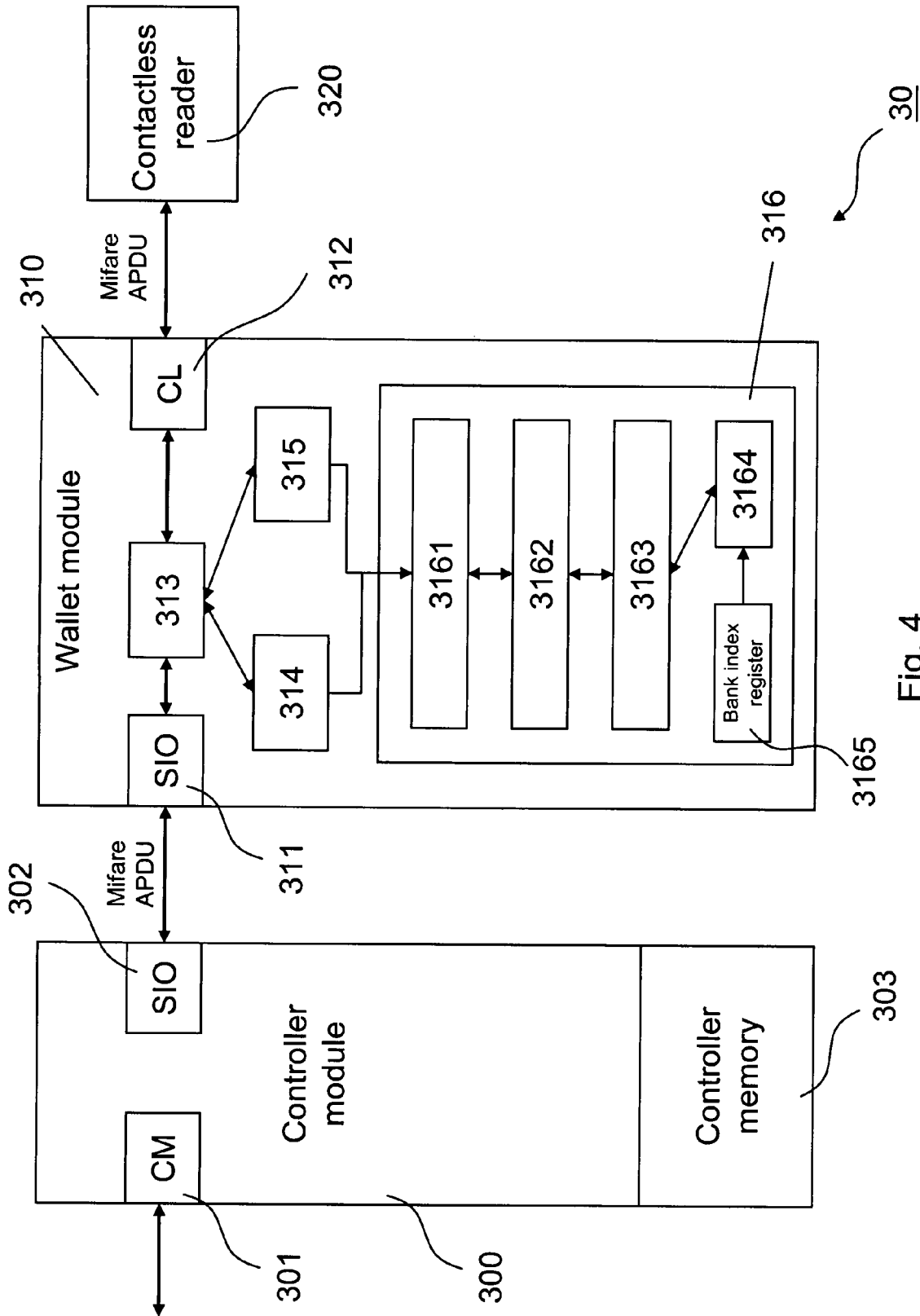


Fig. 4

# 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.