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

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(45) **Date of Patent:** **Jan. 4, 2011**

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

(56) **References Cited**

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**Steven Donald Edelson**, Saratoga, CA (US)

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(\* ) 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

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

(57) **ABSTRACT**

(65) **Prior Publication Data**

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**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)

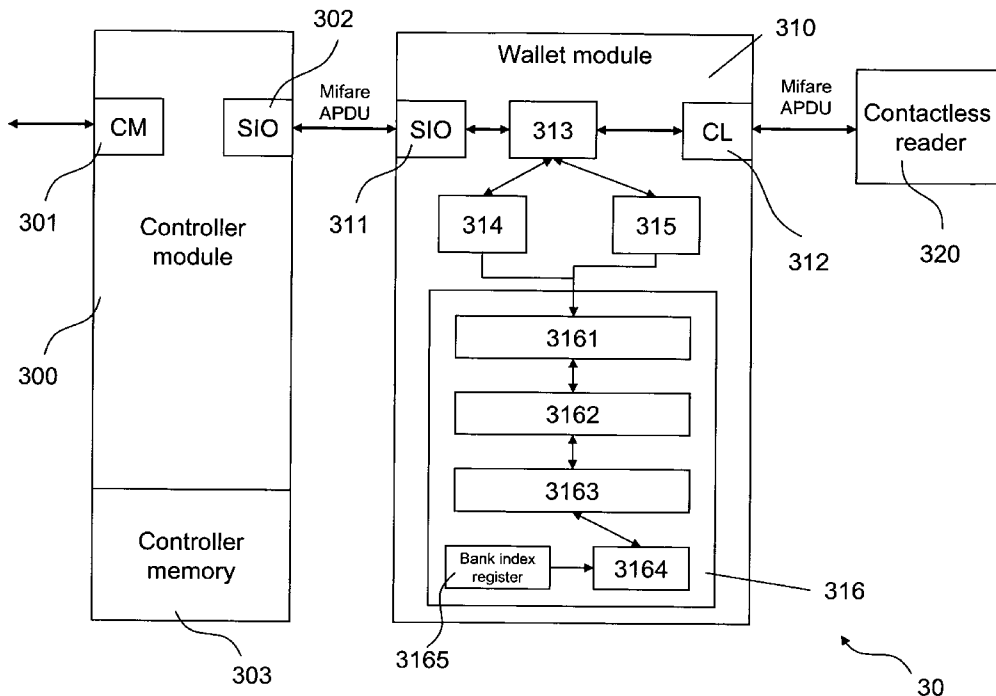
(52) **U.S. Cl.** ..... **455/41.2**; 455/558; 455/434.1; 455/574; 235/439; 235/441; 235/492

(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**



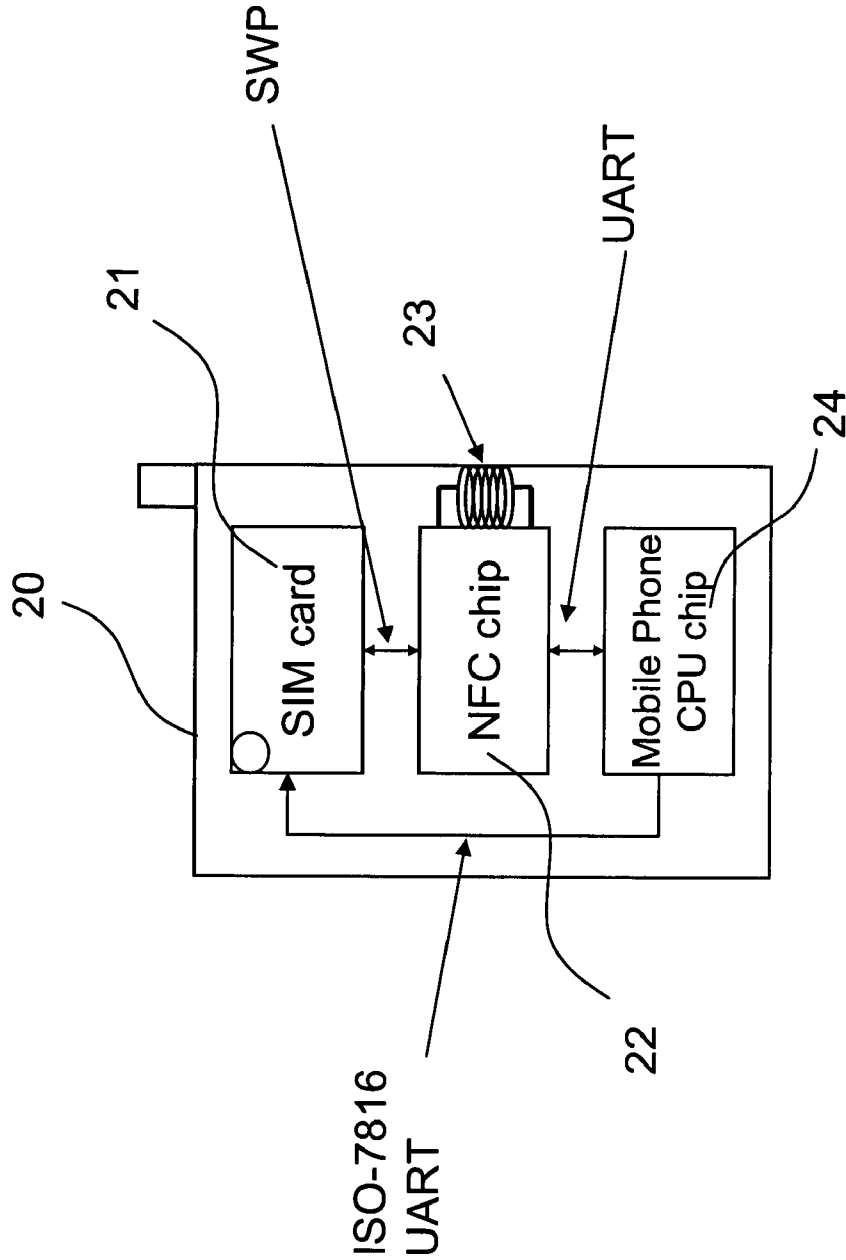


Fig. 1 (Prior Art)

PORTABLE  
TELEPHONE SET  
10

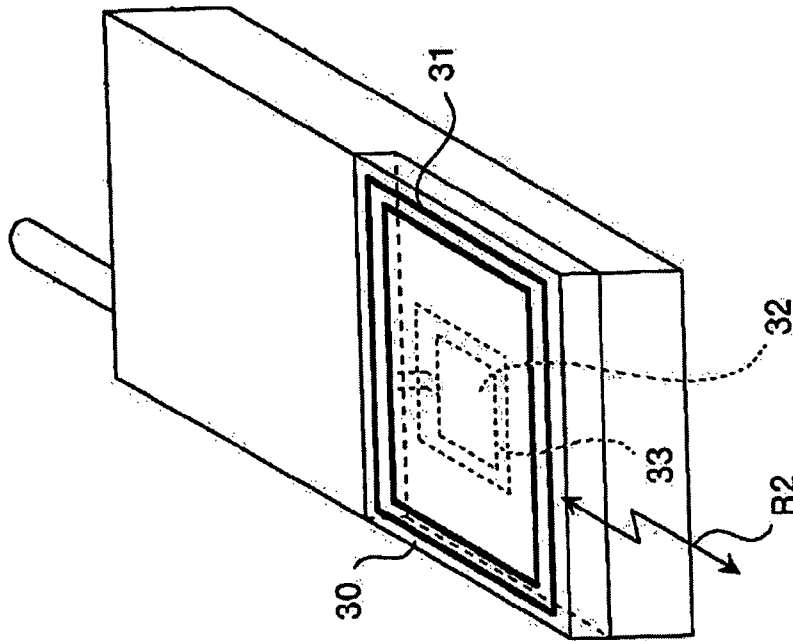


Fig. 2 (Prior Art)

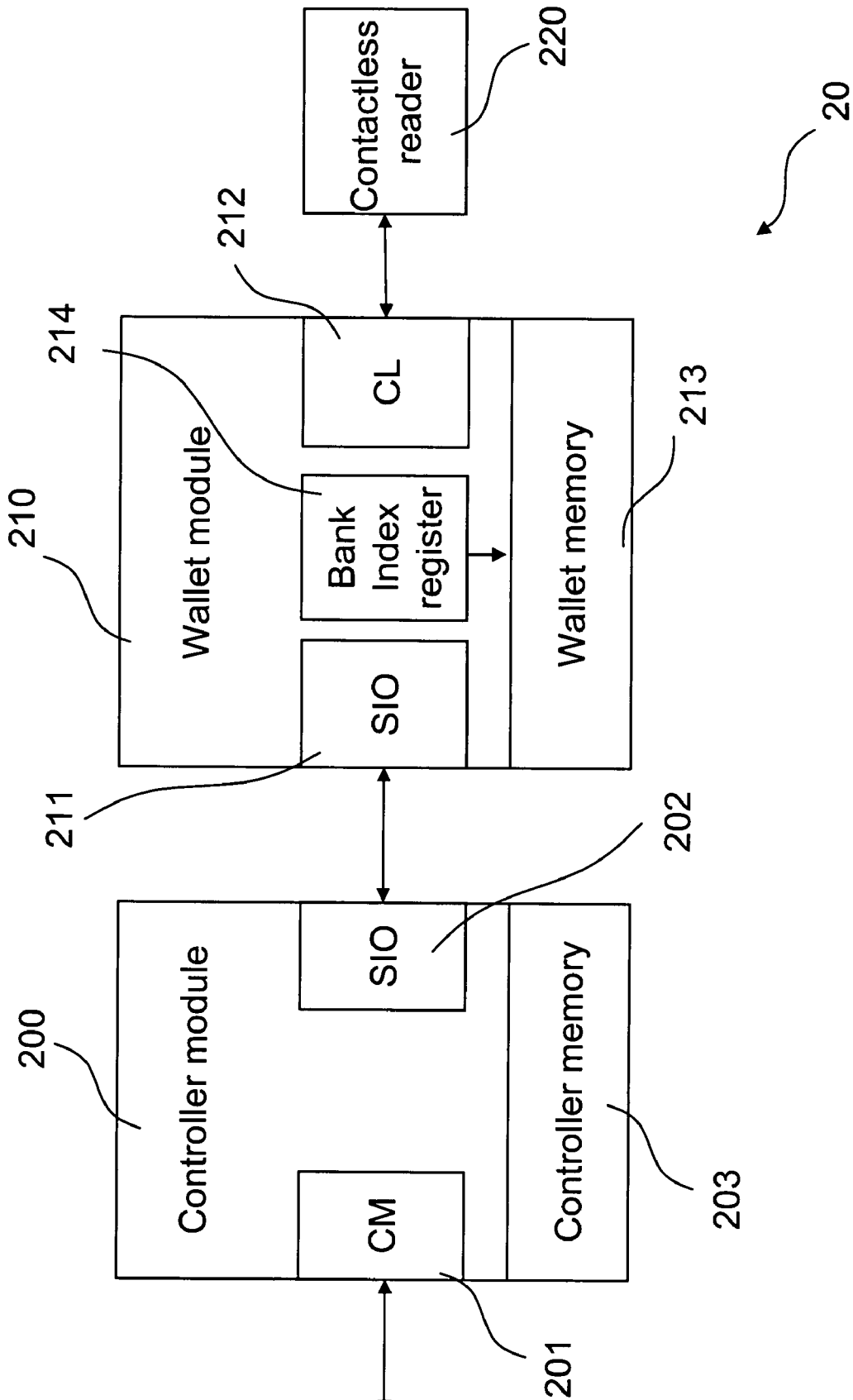


Fig. 3

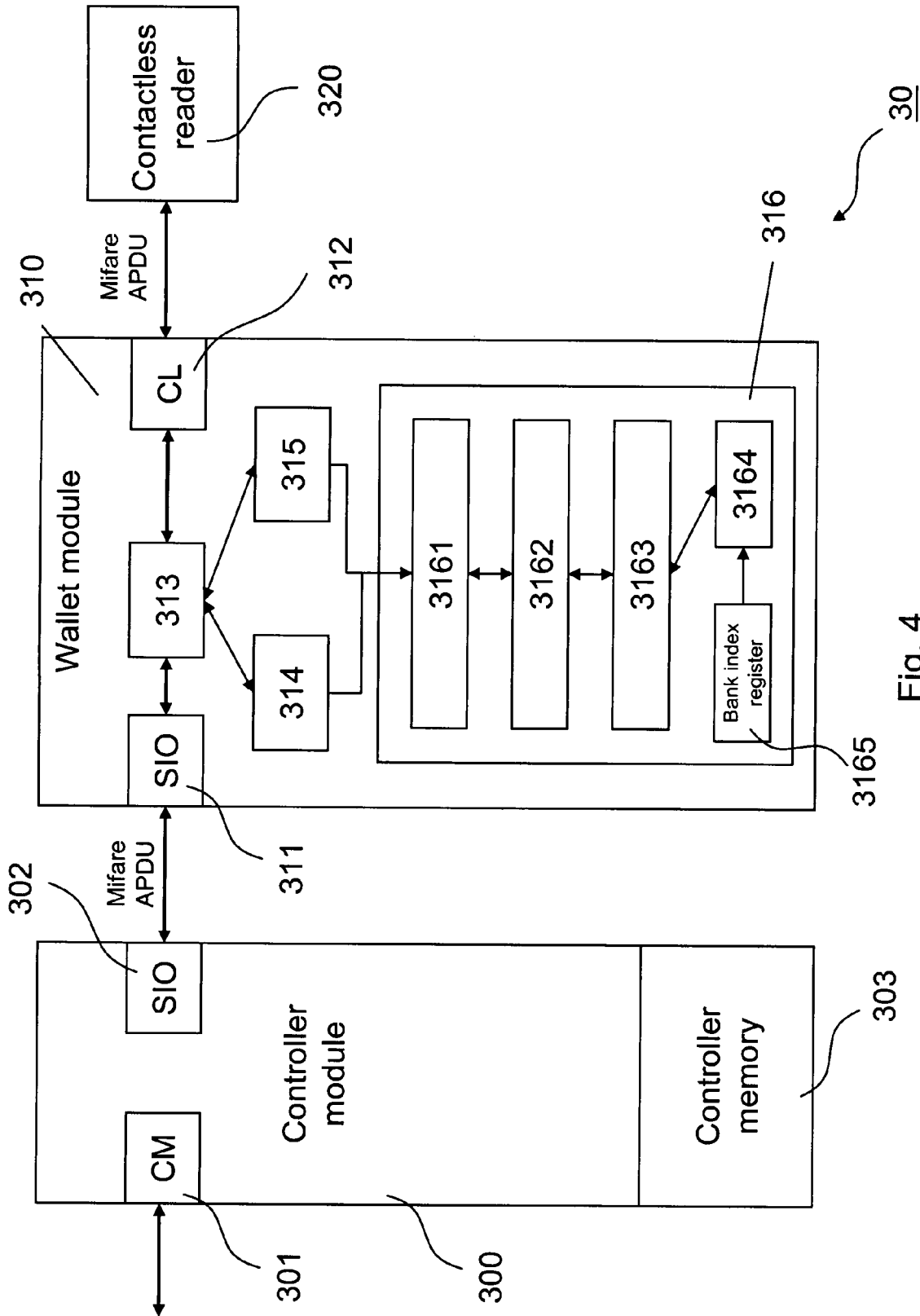


Fig. 4

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