

- [54] **INFORMATION MANAGEMENT AND SECURITY SYSTEM**
- [75] **Inventor:** Virupax M. Nerlikar, Plano, Tex.
- [73] **Assignee:** Texas Instruments Incorporated, Dallas, Tex.
- [21] **Appl. No.:** 283,081
- [22] **Filed:** Jul. 29, 1994
- [51] **Int. Cl.<sup>6</sup>** ..... H04L 9/00
- [52] **U.S. Cl.** ..... 380/25; 380/23; 340/825.34
- [58] **Field of Search** ..... 380/23-25; 340/825.34

*Wall Street Journal*. William M. Bulkeley, "Get ready for the 'smart cards' in health care", May 1993, one page.

*Wall Street Journal*, John J. Keller, "Bells and whistles turn beepers into data receivers", Sep. 1993 two pages.

*Wall Street Journal*, William M. Bulkeley, "Someday, Cards May Make Coins Obsolete (smart cards may replace coin usage)", May 1993, one page.

Standard Register, Advertisement—High Tech Document Security Video, Jul.–Aug. 1993.

*Primary Examiner*—Salvatore Cangialosi  
*Attorney, Agent, or Firm*—Ira S. Matsil; James C. Kesterson; Richard L. Donaldson

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

4,575,621	3/1986	Dreifus .....	380/23
4,691,355	9/1987	Wirstrom et al. ....	380/23
4,783,798	11/1988	Leibholz et al. ....	380/25
4,819,267	4/1989	Cargile et al. ....	380/23
5,053,774	10/1991	Schuermann et al. ....	342/44
5,153,918	10/1992	Tuai .....	380/25
5,310,999	5/1994	Claus et al. ....	380/23
5,319,711	6/1994	Servi .....	380/23
5,339,073	8/1994	Dodd et al. ....	340/825.31
5,508,692	4/1996	Wolfram .....	380/23

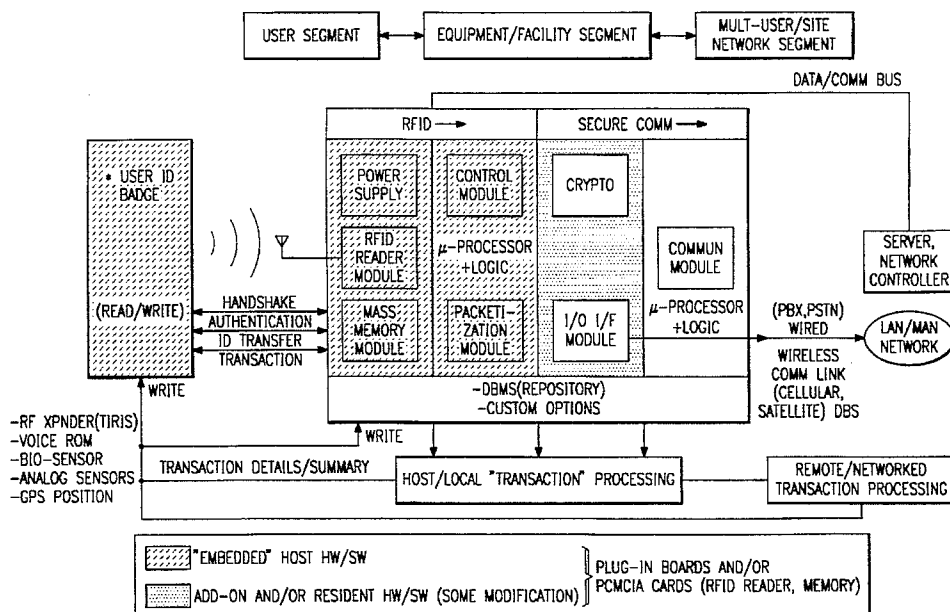
**OTHER PUBLICATIONS**

"Software Giant Aiming at the Office," *New York Times*, Jun. 8, 1993, p. C1.  
*Hardcopy Observer*, Published by Lyra Research, 'Microsoft at Work', vol. III, No. 7, Jul., 1993, pp. 31-39.  
*Hardcopy Observer*, "Microsoft at Work to go Home?", vol. IV, No. 3, Mar., 1994, p. 9.  
*Hardcopy Observer*, "Microsoft Gears Up to Supply at Work Print Software to OEM", vol. IV, No. 2, pp. 30-32.  
 Fite, Jr., Franklin, "The PC Adopts an Embedded Position", *Electronic Engineering Times*, Apr. 25, 1994, p. 46.

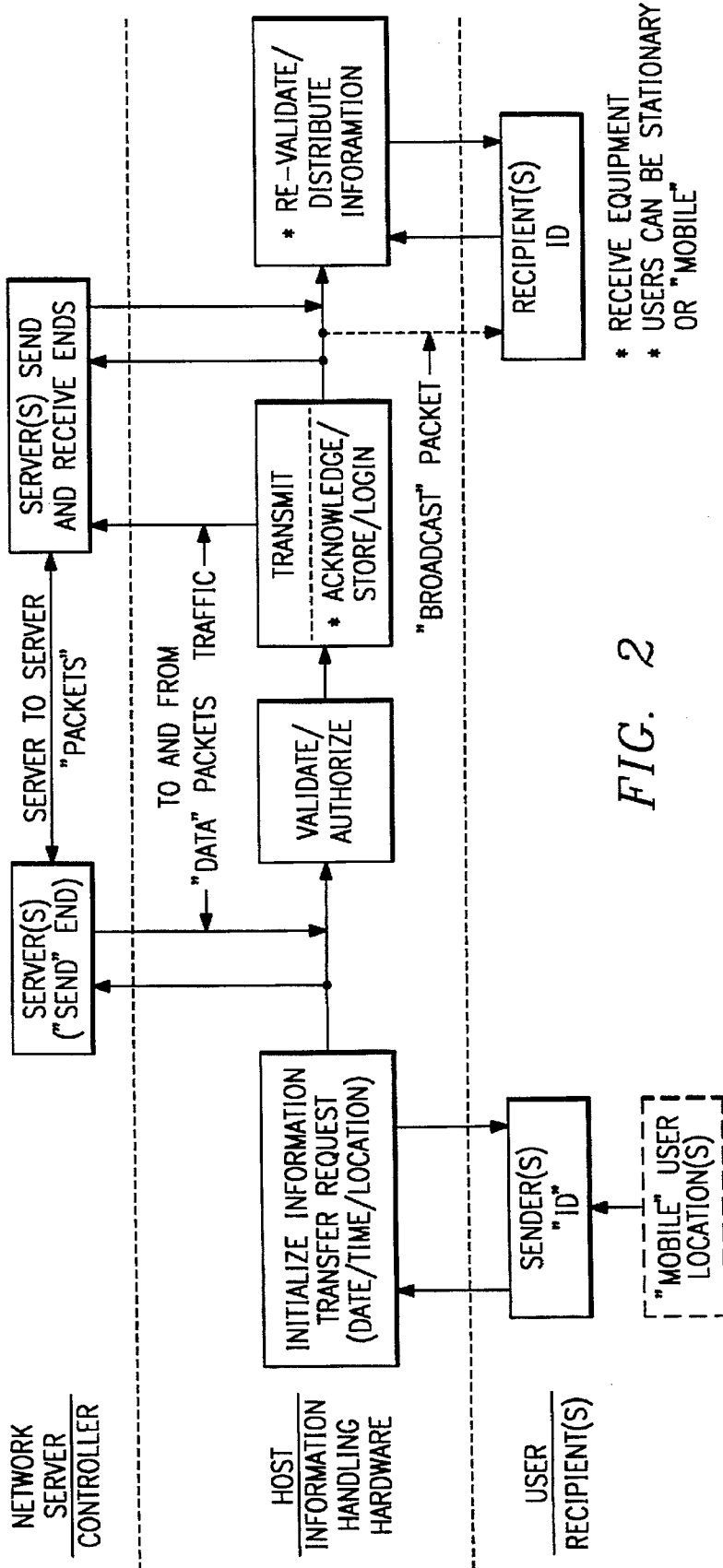
[57] **ABSTRACT**

A closed loop, (networked) information management and security system which provides a secure, end-to-end fully automated solution for controlling access, transmission, manipulation, and auditability of high value information comprising an RFID transponder badge 302 and an RF reader transceiver 315 which is associated with a host peripheral or a network. The RF reader transceiver 315 automatically identifies and verifies authorization of the RFID transponder badge holder via a "handshake" prior to allowing access to the host peripheral. The energy generated by the transmission of the interrogation signal from the RF reader means 315 provides a power source which is accumulated and then used to activate a transponder 304 response from the RFID transponder badge 302. The RF reader/transceiver 315 writes the access transaction on either the RFID transponder badge 302 and/or the host peripheral database or the network controller. Alternatively, the RF reader means 315 may be associated via network server with a LAN, WAN, or MAN. Optionally, an RFID badge 302a may be powered by an independent power source such as a flatpak battery 314.

**42 Claims, 7 Drawing Sheets**







\* RECEIVE EQUIPMENT  
 \* USERS CAN BE STATIONARY OR "MOBILE"

FIG. 2

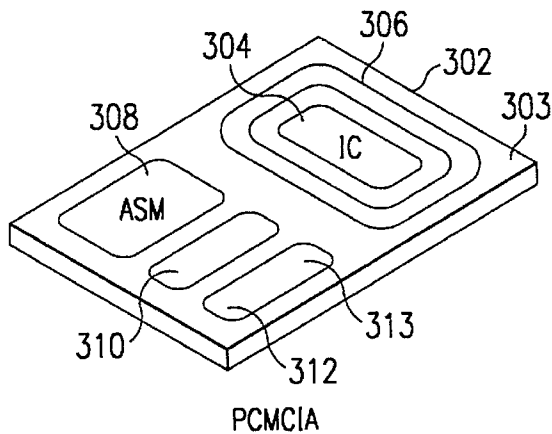


FIG. 3A

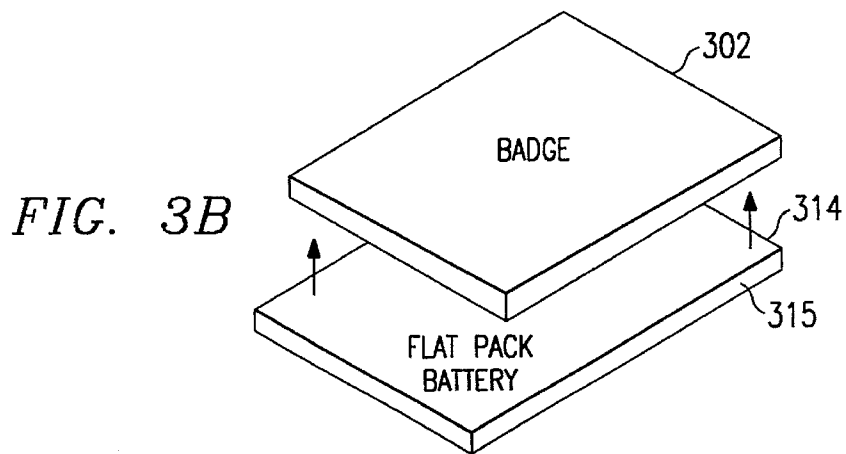


FIG. 3B

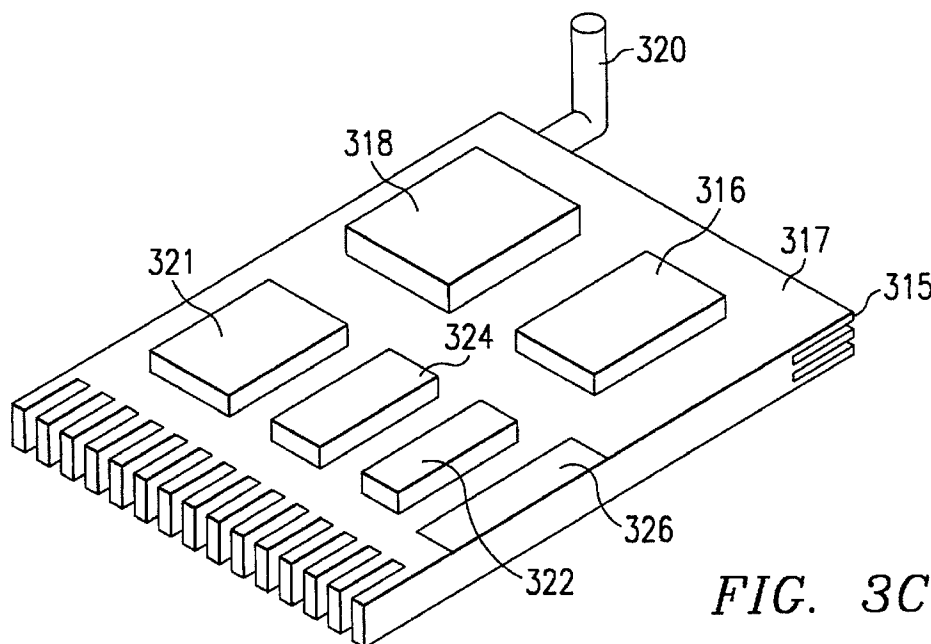


FIG. 3C

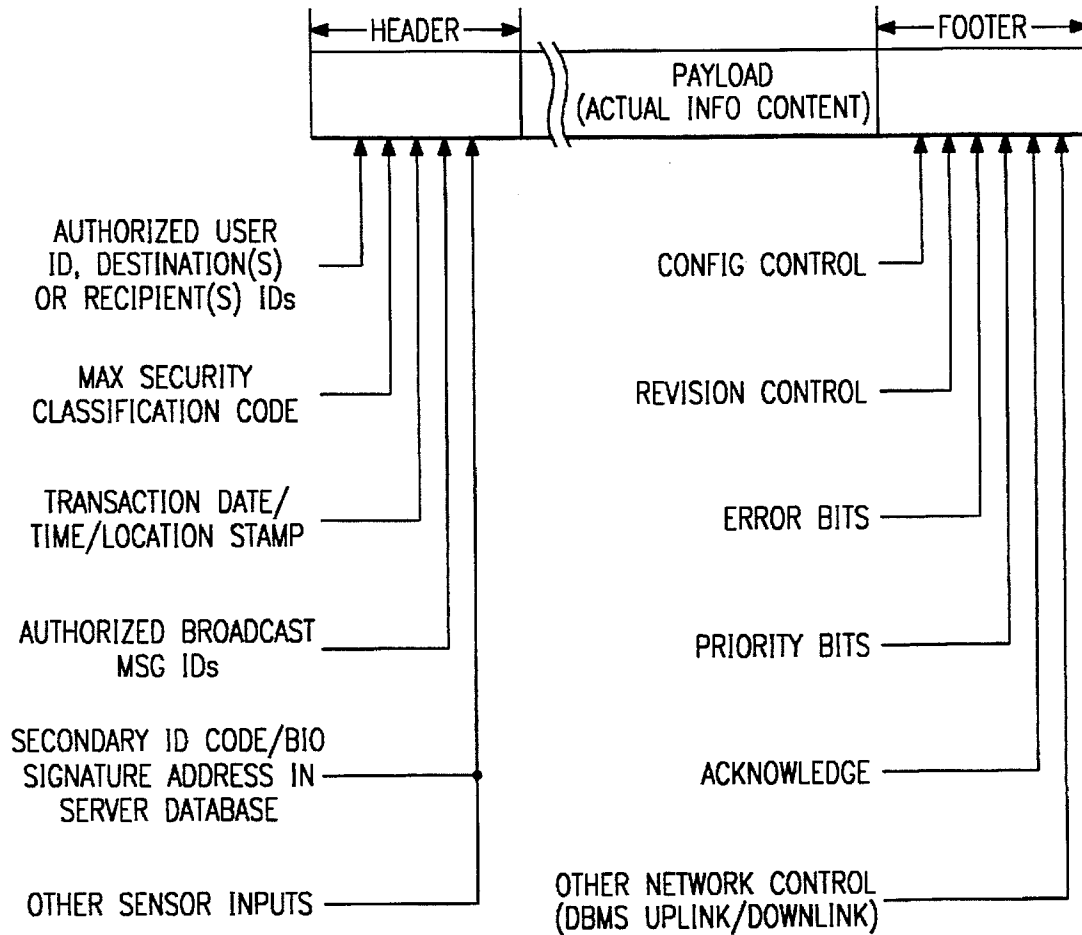


FIG. 4

# 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.