



(19) **United States**

(12) **Patent Application Publication**
Mathiassen et al.

(10) **Pub. No.: US 2004/0123113 A1**

(43) **Pub. Date: Jun. 24, 2004**

(54) **PORTABLE OR EMBEDDED ACCESS AND INPUT DEVICES AND METHODS FOR GIVING ACCESS TO ACCESS LIMITED DEVICES, APPARATUSES, APPLIANCES, SYSTEMS OR NETWORKS**

(76) Inventors: **Svein Mathiassen**, Heggedal (NO);
Ivar Mathiassen, Narvik (NO)

Correspondence Address:
ROTHWELL, FIGG, ERNST & MANBECK, P.C.
1425 K STREET, N.W.
SUITE 800
WASHINGTON, DC 20005 (US)

(21) Appl. No.: **10/321,850**

(22) Filed: **Dec. 18, 2002**

Publication Classification

(51) **Int. Cl.⁷ H04L 9/32**

(52) **U.S. Cl. 713/185**

(57) **ABSTRACT**

A portable or embedded access device is provided for being coupled to, and for allowing only authorized users access to, an access-limited apparatus, device, network or system, e.g. a computer terminal, an internet bank or a corporate or government intranet. The access device comprises an integrated circuit (IC) (1) providing increased security by bridging the functionality of biometrics input from a user and, upon positive authentication of the user's fingerprint locally to provide secure communication with the said access-limited apparatus, device, network or system, whether local or remote.

A corresponding method of using the portable device or the embedded device is disclosed for providing a bridge from biometrics input to a computer locally, into secure communication protocol responses to a non-biometrics network.

An embedded access control and user input device or apparatus for being a built-in part of stand alone appliances with some form of access control, e.g. hotel safes, medicine cabinet or the like, and for providing increased security, is also provided.

Further, a method of providing secured access control and user input in stand-alone appliances having an embedded access control or user input device according to the invention is also explained.

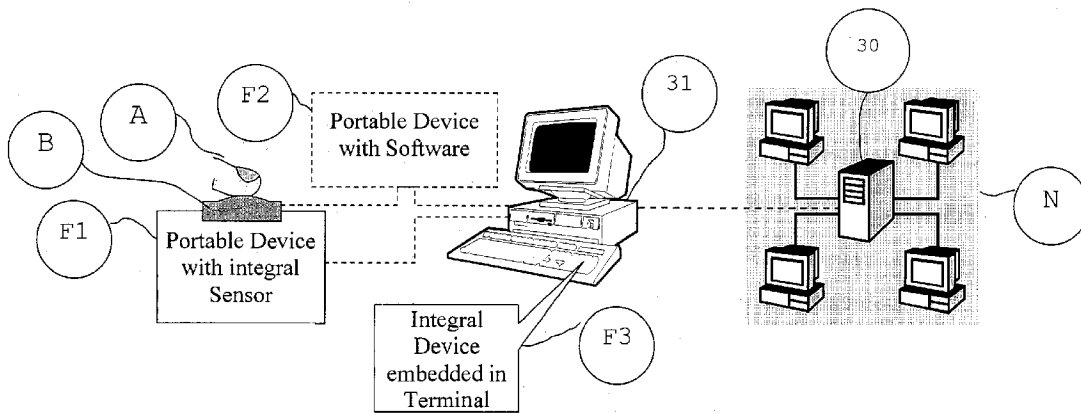


Figure 1a

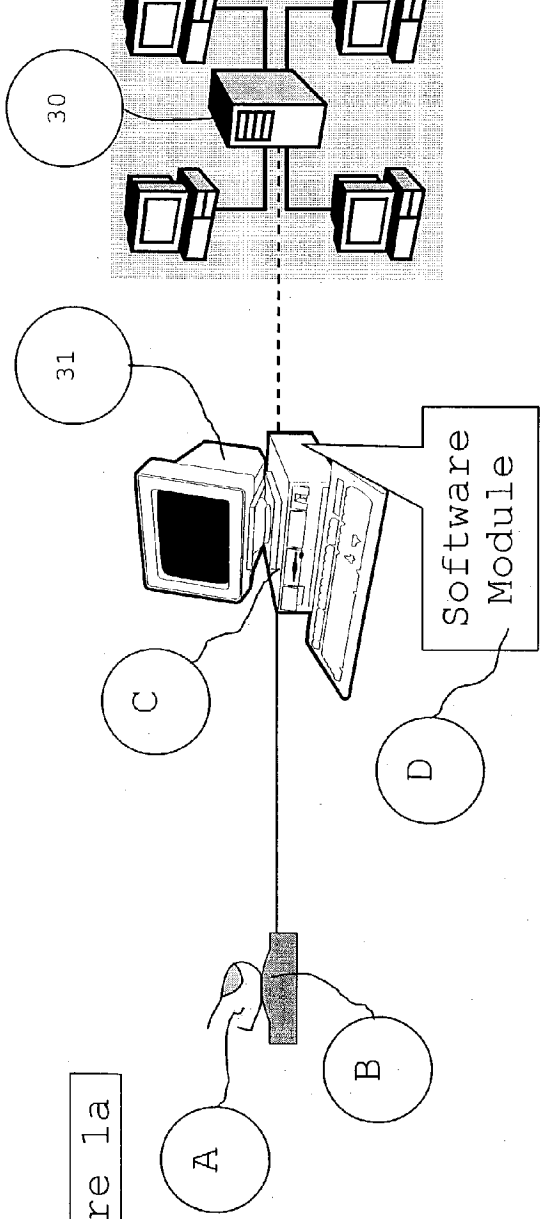
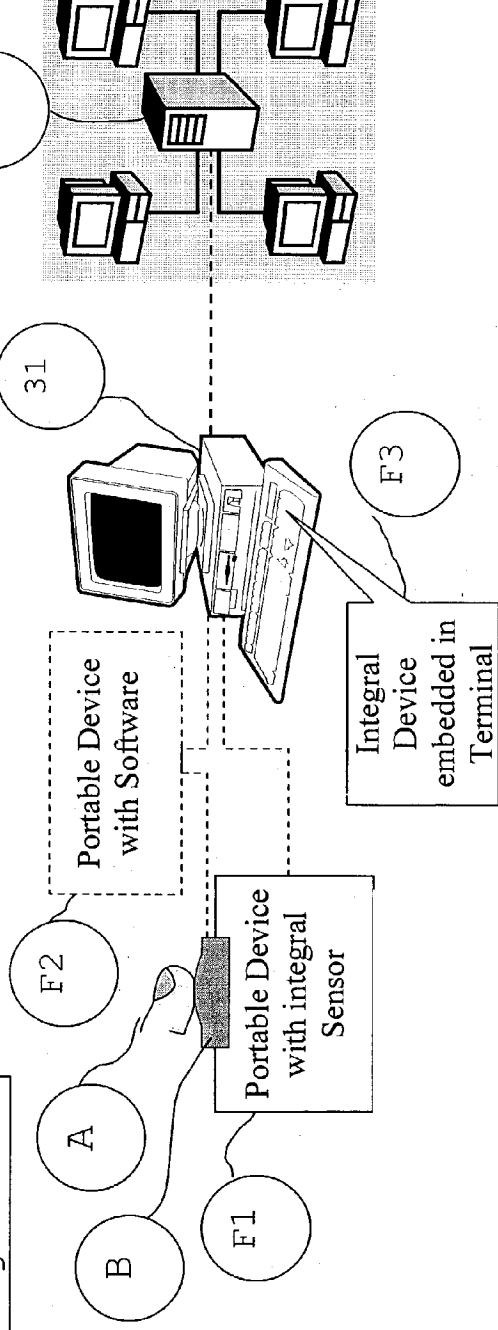
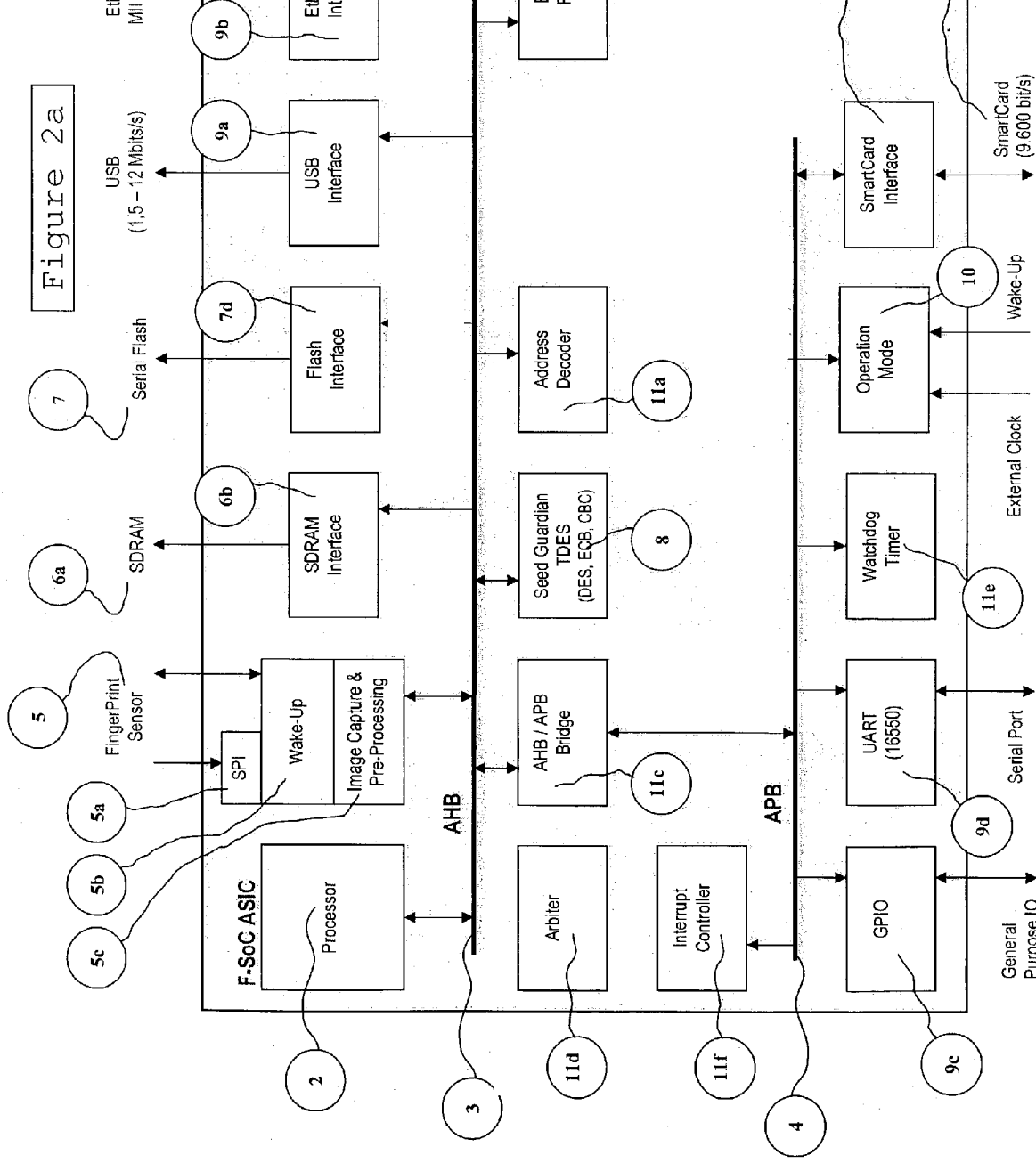
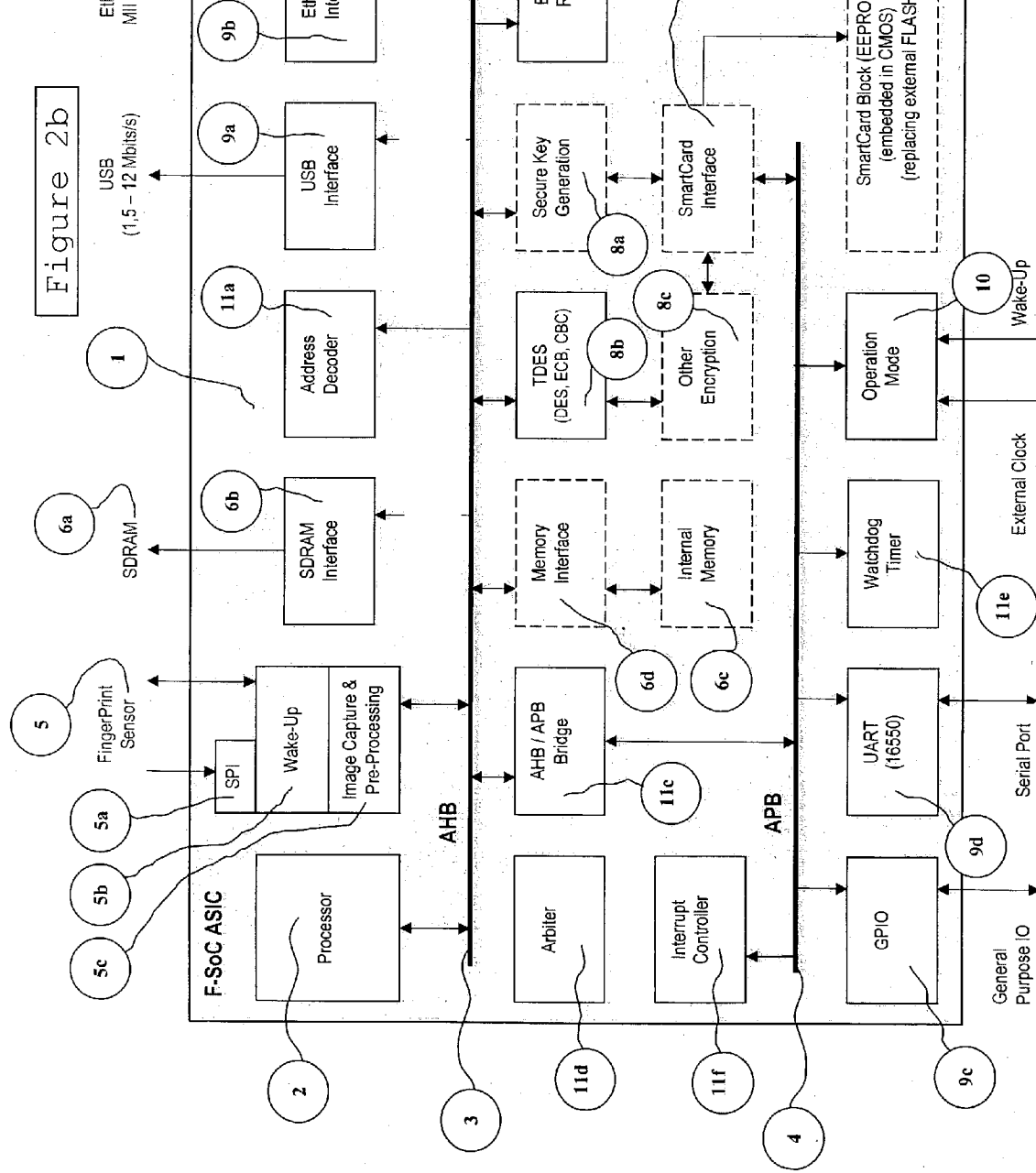


Figure 1b







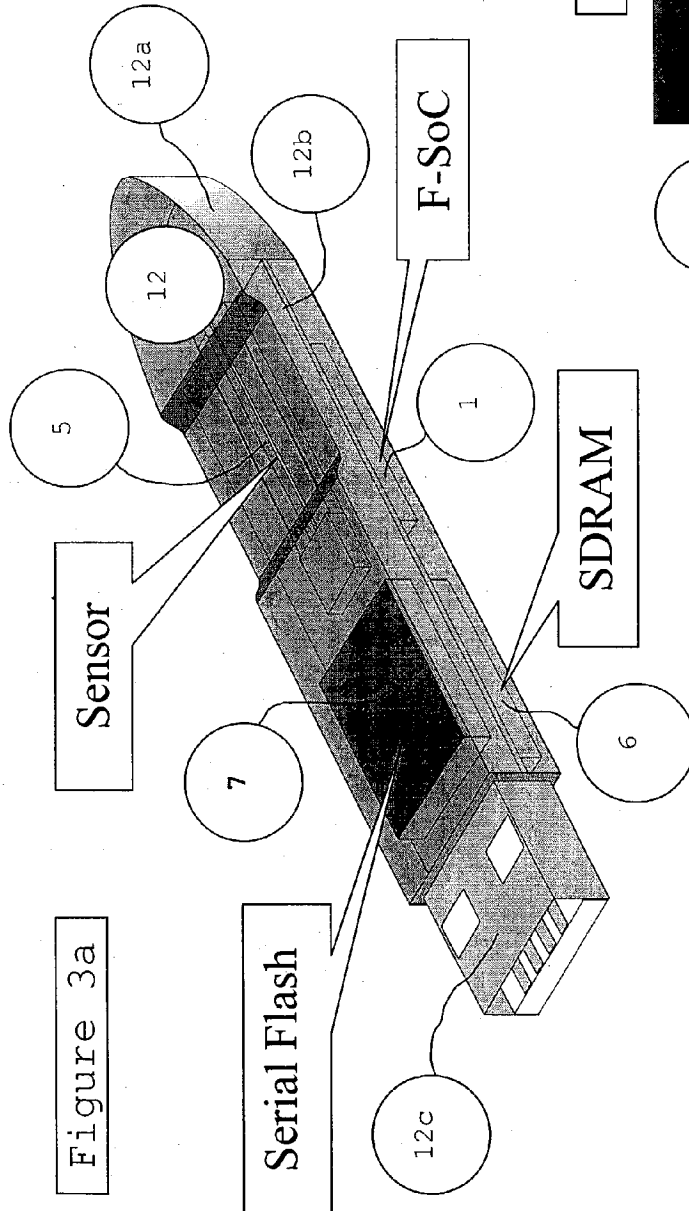


Figure 3a

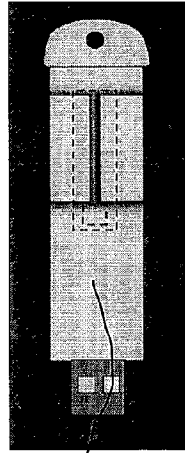


Figure 3b

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.