

Patent Number:

US005623552A

United States Patent [19]

[11]

5,623,552

Lane

[45] Date of Patent:

Apr. 22, 1997

[54]	SELF-AUTHENTICATING IDENTIFICATION
	CARD WITH FINGERPRINT
	IDENTIFICATION

[75] Inventor: William F. Lane, Wilson, N.C.

[73] Assignee: CardGuard International, Inc.,

Wilson, N.C.

[21] Appl. No.: 515,151

[22] Filed: Aug. 15, 1995

Related U.S. Application Data

[63]	Continuation of Ser. No. 184,686, Jan. 21, 1994, abandoned.
[51]	Int. Cl. ⁶
[52]	U.S. Cl. 382/124 ; 340/825.34; 235/492

235/492; 902/3, 4, 5; 340/825.34

[56] References Cited

U.S. PATENT DOCUMENTS

3,812,461 5/197 3,940,795 2/197 4,202,120 5/198 4,253,086 2/198 4,256,955 3/198 4,353,056 10/198 4,455,083 6/198 4,471,343 9/198 4,575,621 3/198 4,582,985 4/198	5 Lemelson 360/101 1 Engel 356/71 1 Szwarcbier 356/71 1 Giraud et al 235/380 2 Tsikos 340/146.3 E 4 Elmes 356/71 4 Lemelson 340/571 5 Dreifus 235/380 6 Löfberg 340/825.34 6 Pavlov et al 235/380 7 Quitana 235/380
---	---

FOREIGN PATENT DOCUMENTS

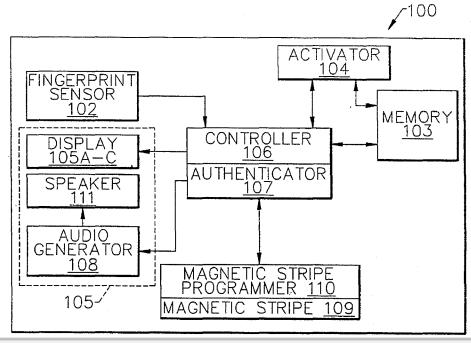
0313288 12/1988 Japan 902/3

Primary Examiner—Jose L. Couso Assistant Examiner—Anh Hong Do Attorney, Agent, or Firm—Bell, Seltzer, Park & Gibson

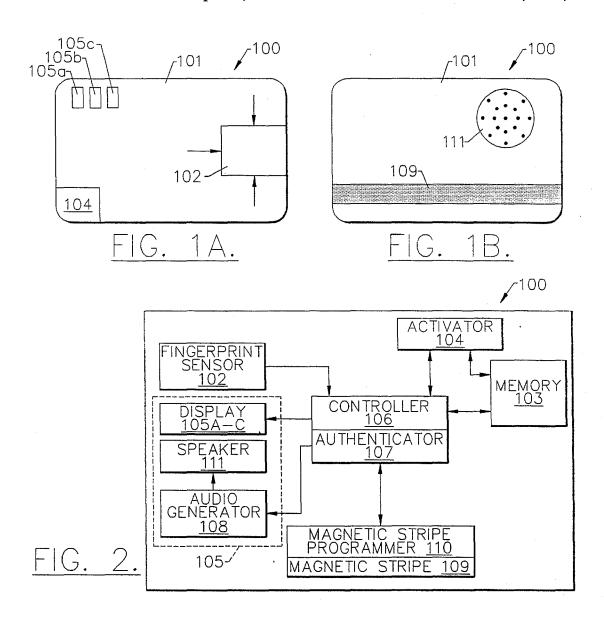
[57] ABSTRACT

A self-authenticating identification card includes a fingerprint sensor for authenticating the identity of a user. An ID card memory permanently stores information related to a fingerprint of the card user. An on-card authenticator compares information related to a sensed fingerprint with the stored fingerprint information and produces an authentication signal if the sensed fingerprint information matches the stored fingerprint information. An audio generator is preferably included in the card for transmitting a predetermined audio signal to a speaker if a match is sensed. A second memory, in the form of a programmable magnetic stripe, may be included on the card for storing account information related to the card user. A magnetic stripe programmer is then used for loading predetermined account information into the programmable magnetic stripe if the sensed fingerprint information matches the stored fingerprint information. Account information is automatically cleared from the programmable magnetic stripe after a predetermined elapsed time.

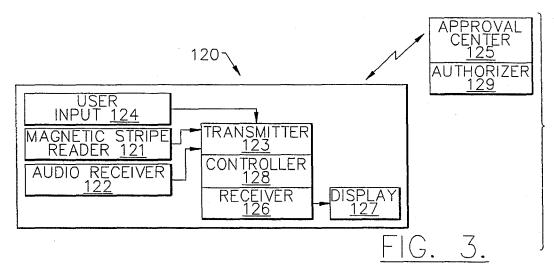
29 Claims, 11 Drawing Sheets







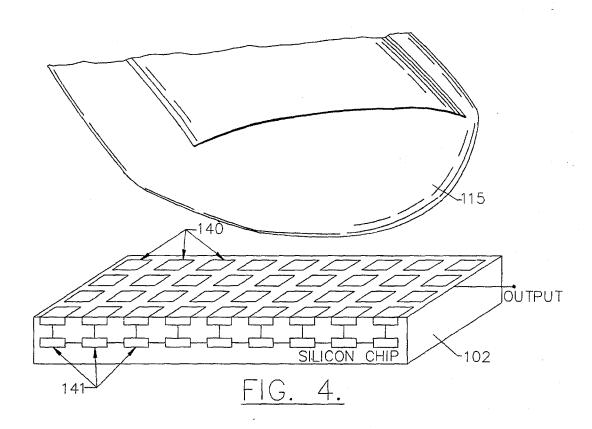
Apr. 22, 1997

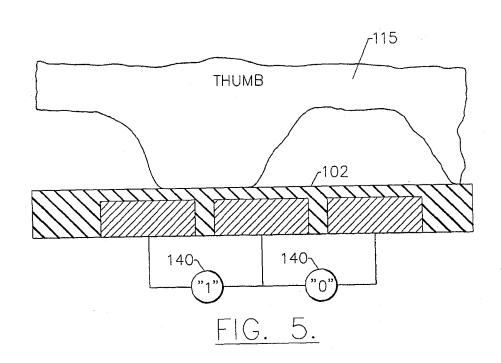




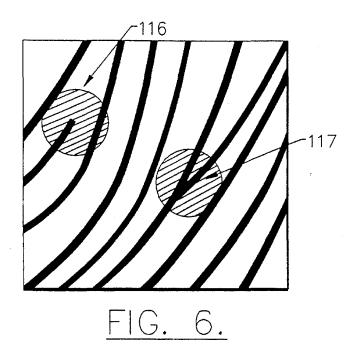
5,623,552

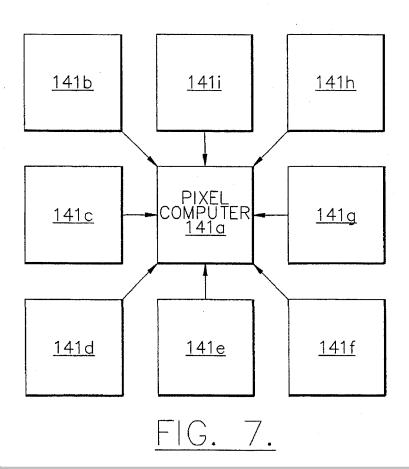




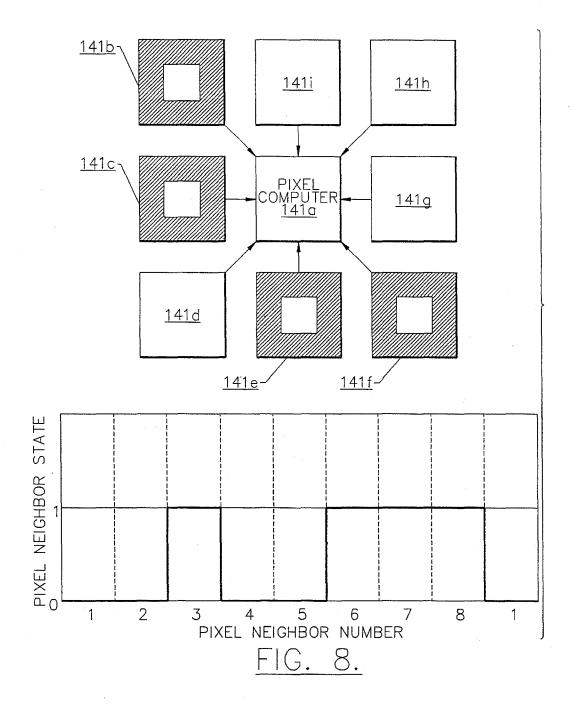












DOCKET A L A R M

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.

