

# EXHIBIT A



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(12) **United States Patent**  
**Burke**

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(54) **CARD DEVICE SECURITY USING BIOMETRICS**

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(75) Inventor: **Christopher John Burke**, Ramsgate (AU)

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(73) Assignee: **Securicom (NSW) Pty Ltd**, New South Wales (AU)

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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 912 days.

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(21) Appl. No.: **12/063,650**

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§ 371 (c)(1),  
(2), (4) Date: **Aug. 12, 2010**

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*Primary Examiner* — Andrew W Johns

PCT Pub. Date: **Feb. 22, 2007**

(74) *Attorney, Agent, or Firm* — Brinks Gilson & Lione

(65) **Prior Publication Data**

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(57) **ABSTRACT**

(30) **Foreign Application Priority Data**

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The disclosed Biometric Card Pointer arrangements store (207) a card user's biometric signature in a local memory (124) in a verification station (127) the first time the card user uses the verification station (127) in question. The biometric signature is stored at a memory address (607) defined by the card information (605) on the user's card (601). All future uses of the particular verification station (127) by someone submitting the aforementioned card (601) requires the card user to submit both the card and a biometric signature, which is verified against the signature stored at the memory address defined by the card information (605) thereby determining if the person submitting the card is authorized to do so.

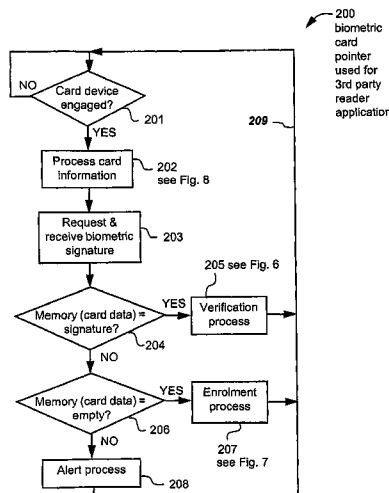
(51) **Int. Cl.**  
**G06K 9/00** (2006.01)

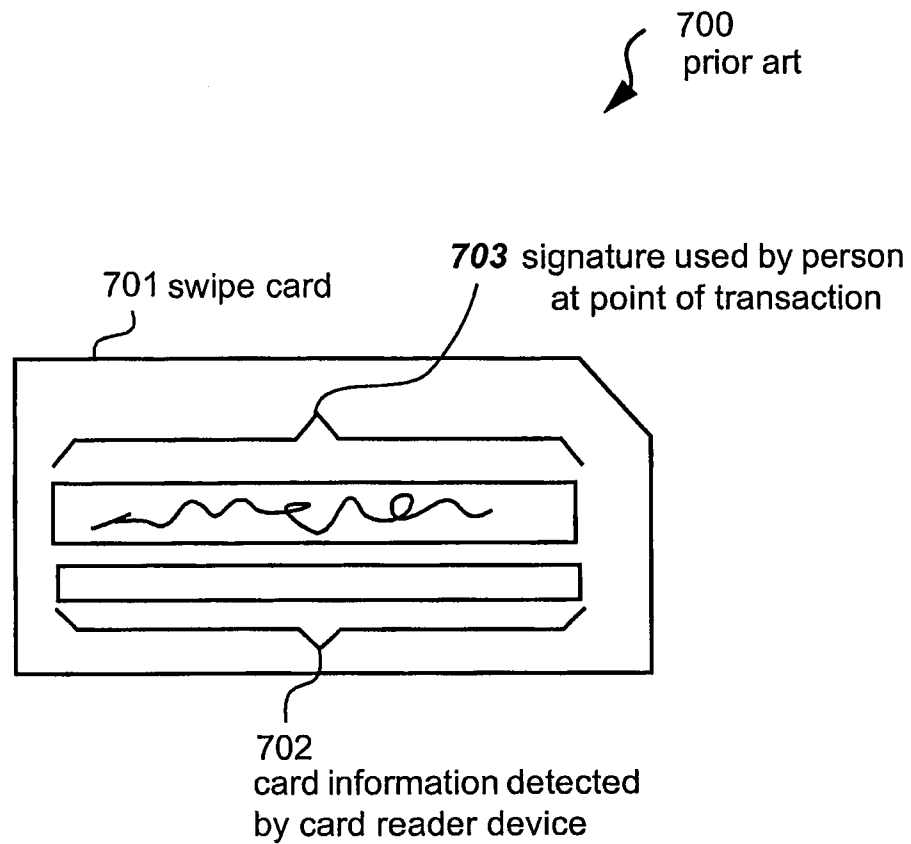
(52) **U.S. Cl.**  
USPC ..... 382/119; 340/5.82

(58) **Field of Classification Search**  
USPC ..... 382/115, 119, 155, 159; 356/71;  
350/5.2, 5.52, 5.53, 5.8, 5.81, 5.82,  
350/5.83; 235/380, 382; 340/5.2, 5.52,  
340/5.53, 5.8, 5.81, 5.82, 5.83

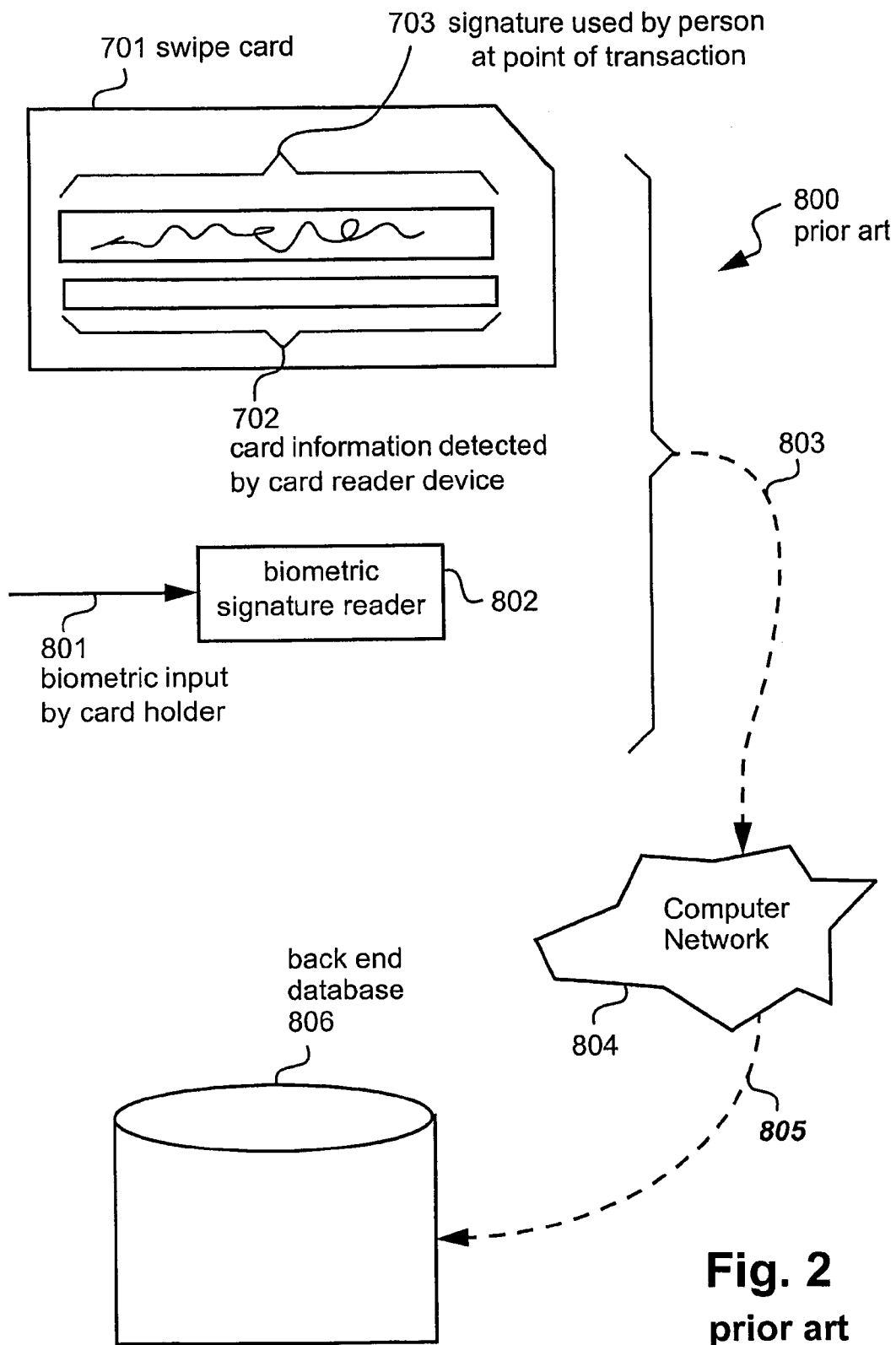
See application file for complete search history.

**20 Claims, 7 Drawing Sheets**





**Fig. 1**  
prior art



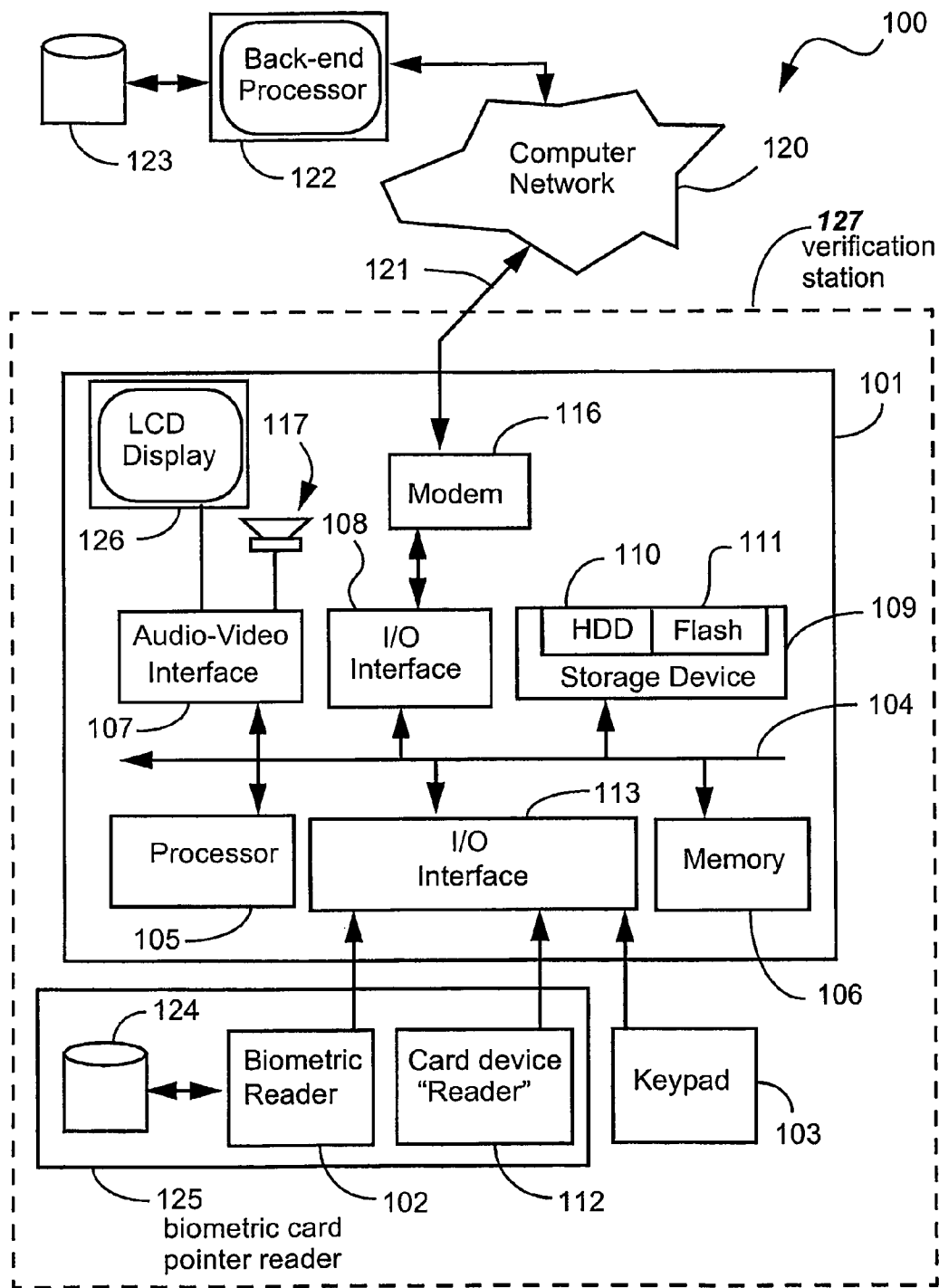


Fig. 3

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