

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

(10) **Patent No.:** **US 6,612,928 B1**  
 (45) **Date of Patent:** **\*Sep. 2, 2003**

- (54) **PLAYER IDENTIFICATION USING BIOMETRIC DATA IN A GAMING ENVIRONMENT**
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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 0 days.
- This patent is subject to a terminal disclaimer.

5,802,199 A	*	9/1998	Pare, Jr. et al. ....	382/115
5,991,431 A		11/1999	Borza	
5,995,630 A		11/1999	Borza	
6,026,166 A		2/2000	LeBourgeois	
6,099,408 A		8/2000	Schneier	
6,113,493 A		9/2000	Walker	
6,149,055 A		11/2000	Gatto	
6,154,131 A		11/2000	Jones, II	
6,234,900 B1		5/2001	Cumbers	
6,264,557 B1		7/2001	Schneier	
6,296,101 B1		10/2001	Hasegawa	
6,307,956 B1		10/2001	Black	
6,363,485 B1	*	3/2002	Adams et al. ....	713/186

\* cited by examiner

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(57) **ABSTRACT**

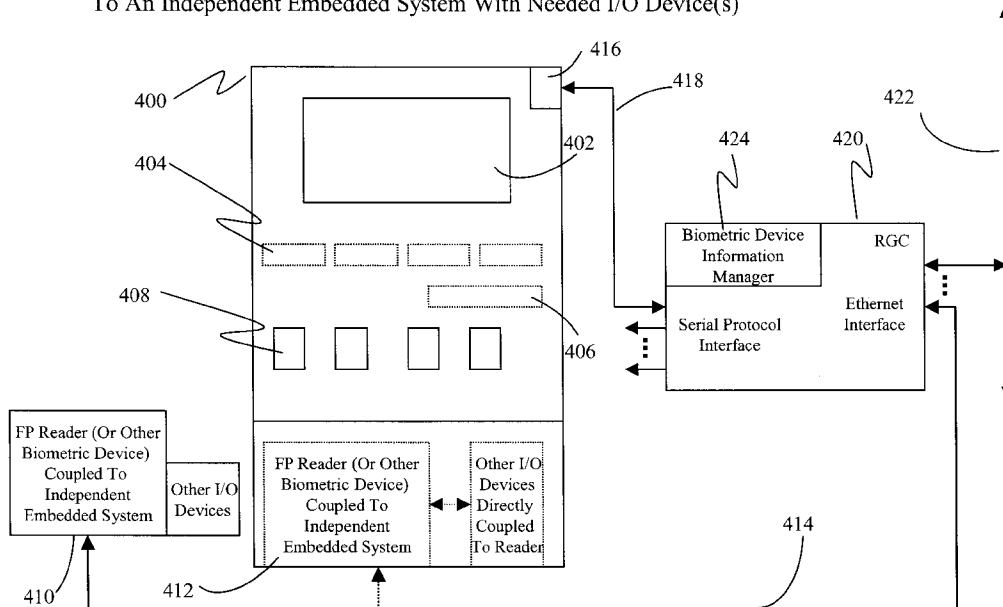
A system and method for using two authenticators to identify a player in a gaming environment is disclosed, where the second authenticator is based on biometric data. The two authenticators allow a two-level authorization process, where the second authenticator, being based on biometric data, allow a player to quickly and easily authenticate documents while remaining at game machines, authenticate electronically based transfers into and out of accounts at game machines, and further allow casinos and other establishments having age requirements and operating in an open environment to confirm that an underage person is not enabling the game play button (making use of the game machine thereby).

- (21) Appl. No.: **09/908,878**
- (22) Filed: **Jul. 17, 2001**
- (51) **Int. Cl.**<sup>7</sup> ..... **A63F 13/00**
- (52) **U.S. Cl.** ..... **463/29**
- (58) **Field of Search** ..... 463/29, 22, 16, 463/42

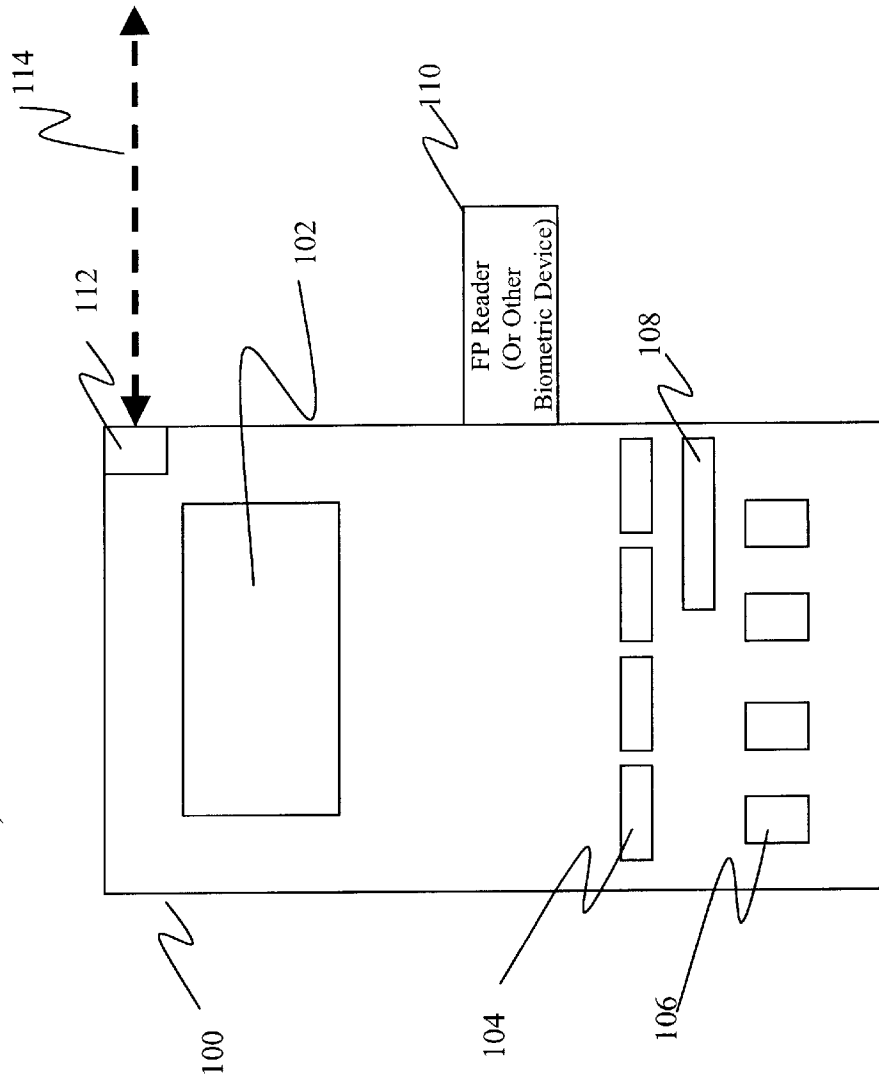
- (56) **References Cited**
- U.S. PATENT DOCUMENTS**
- 5,326,104 A 7/1994 Pease
- 5,473,144 A 12/1995 Mathurin, Jr.
- 5,613,912 A 3/1997 Slater

**68 Claims, 16 Drawing Sheets**

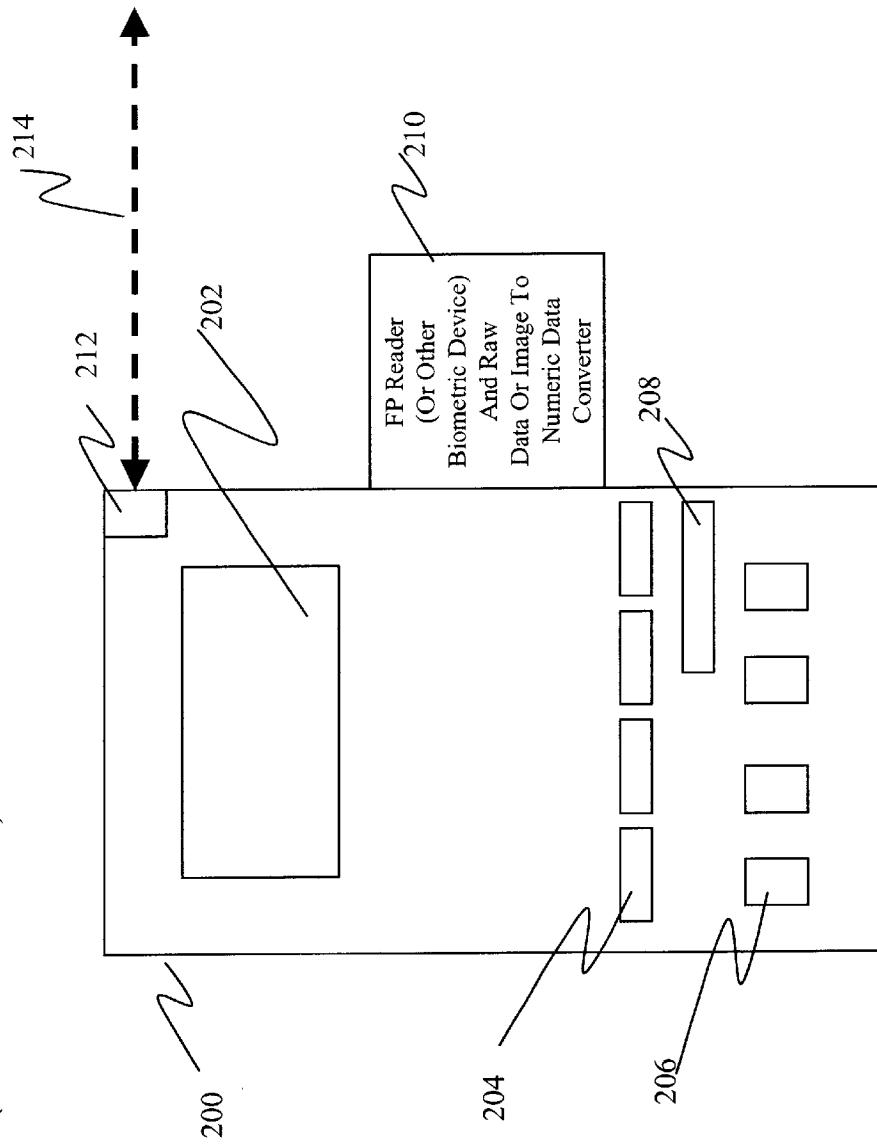
General Game Device Having A Fingerprint (Or Other Biometric) Reader Coupled To An Independent Embedded System With Needed I/O Device(s)



**FIGURE 1**  
General Gaming Device  
Having A Fingerprint (Or Other Biometric) Reader

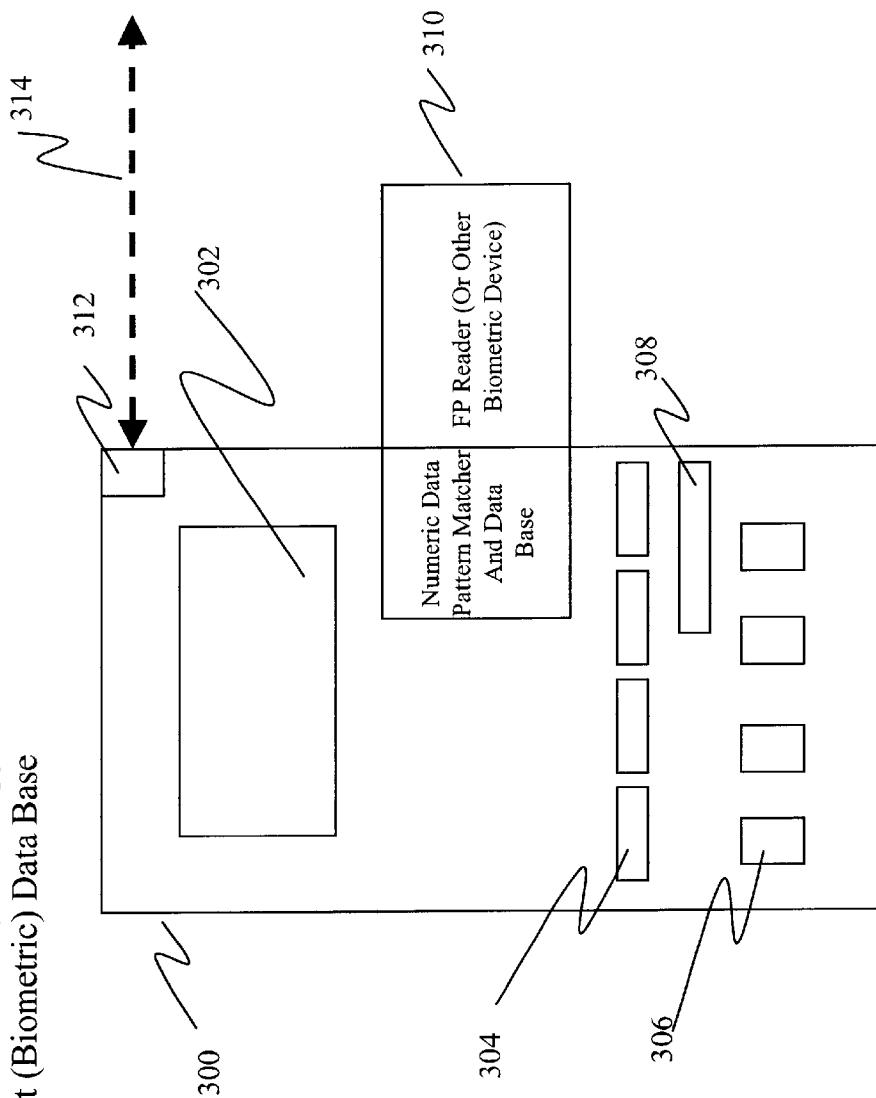


**FIGURE 2**  
General Gaming Device  
Having A Fingerprint (Or Other Biometric) Reader



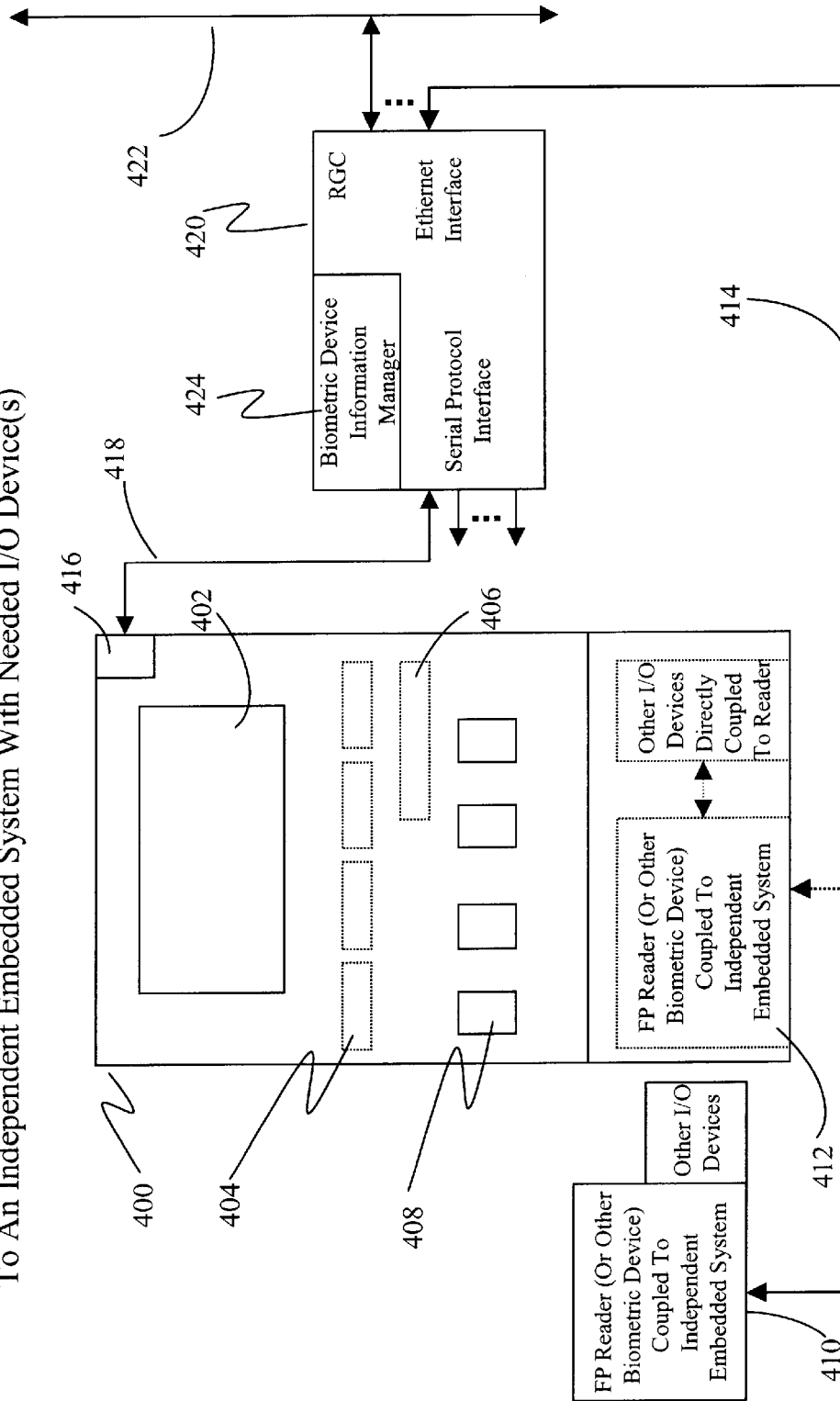
# FIGURE 3

General Gaming Device Having A Fingerprint Reader (Or Other Biometric Reader) And Copy Of A Player Fingerprint (Biometric) Data Base



# FIGURE 4

General Game Device Having A Fingerprint (Or Other Biometric) Reader Coupled To An Independent Embedded System With Needed I/O Device(s)



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