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[11]

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## United States Patent [19]

## **Flick**

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6,140,939

#### BIOMETRIC CHARACTERISTIC VEHICLE [54] CONTROL SYSTEM HAVING VERIFICATION AND RESET FEATURES

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[\*] Notice: This patent is subject to a terminal dis-

claimer.

[21] Appl. No.: **09/034,702** 

[22] Filed: Mar. 4, 1998

#### Related U.S. Application Data

Continuation-in-part of application No. 08/622,515, Mar. 25, 1996, which is a continuation-in-part of application No. 08/423,570, Apr. 14, 1995, Pat. No. 5,654,688.

Int. Cl.<sup>7</sup> ...... G08C 19/00 [51]

**U.S. Cl.** ...... **340/825.69**; 340/539; 340/426; [52] 340/825.72; 340/825.31

[58] 340/825.37, 825.32, 426, 825.3, 539; 341/176,

#### References Cited [56]

#### U.S. PATENT DOCUMENTS

4,383,242	5/1983	Sassover et al
4,881,148	11/1989	Lambropoulos et al
4,928,098	5/1990	Dannhaeuser .
4,975,969	12/1990	Tal.
5,049,861	9/1991	Stouffer .
5,055,701	10/1991	Takeuchi .
5,099,226	3/1992	Andrews .
5,103,221	4/1992	Memmola .
5,146,215	9/1992	Drori .
5,243,322	9/1993	Thompson et al
5,252,966	10/1993	Lambropoulos et al
5,278,547	1/1994	Suman et al
5,365,225	11/1994	Bachhuber .
5,406,274	4/1995	Lambropoulos et al
5,412,379	5/1995	Waraksa et al
5,442,341	8/1995	Lambropoulos .
5,469,506	11/1995	Berson et al
5,513,105	4/1996	Krones .

5,563,579	10/1996	Carter .
5,654,688	8/1997	Allen et al
5,867,802	2/1999	Borza 701/35
5,920,642	2/1999	Merjanian

#### FOREIGN PATENT DOCUMENTS

0 535 555 A1	9/1992	European Pat. Off	E05 <b>B</b>	49/00
43 25 221 A1	7/1993	Germany	B60R	25/00
91/15645	10/1991	WIPO	E05B	49/00

#### OTHER PUBLICATIONS

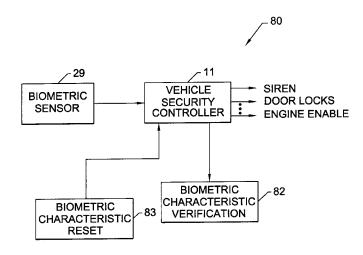
Lexus, 1995 Repair Manual SC400 SC300, vol. 3, (first printing Jan. 10, 1994) pp. BE-479-BE-522.

Primary Examiner—Brian Zimmerman Assistant Examiner—Anthony A. Asongwed Attorney, Agent, or Firm-Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A.

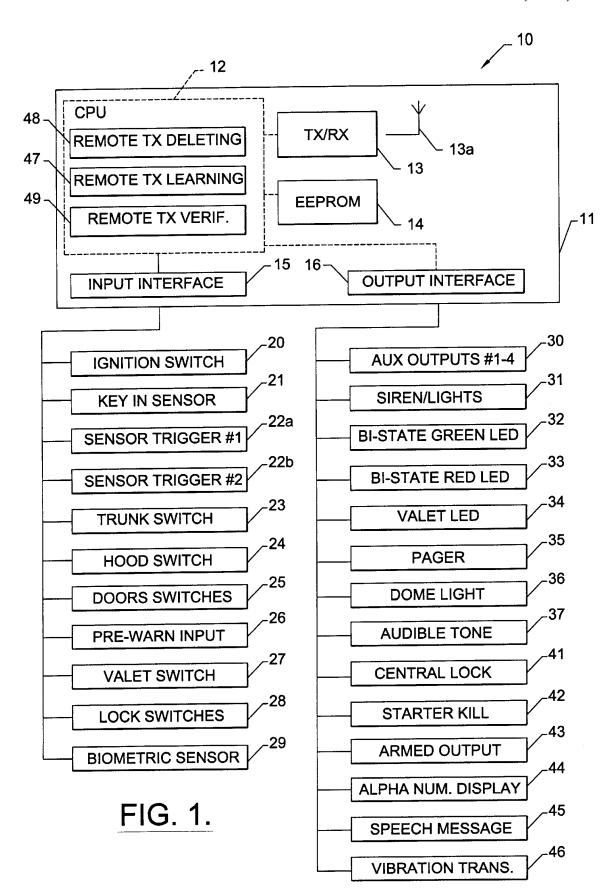
#### **ABSTRACT** [57]

A control system for a vehicle includes a controller for learning a unique biometric characteristic of an individual to define a learned individual capable of causing performance of a function associated with the vehicle, for example. The controller performs biometric characteristic verification to generate an indication relating to whether a new individual has been learned by the controller. The control system is advantageously used, in one embodiment, for a vehicle security system. Biometric characteristic verification may also be incorporated in a remote keyless entry system, and remote engine starting system, for example. In one embodiment, the biometric characteristic verification is based upon the controller being recently entered into the biometric characteristic learning mode. According to another embodiment, the biometric characteristic verification is based upon a number of learned individuals, a change in that number, or a change in a learned biometric characteristic. The indication may be provided at the vehicle or remote therefrom by any of a light, a visual display, a vibration transducer, a speech message generator, and an audible signal generator, for example. A previous set of authorized biometric characteristics may be readily reset or restored to operate the system if unauthorized biometric characteristics have been more recently added.

#### 70 Claims, 8 Drawing Sheets







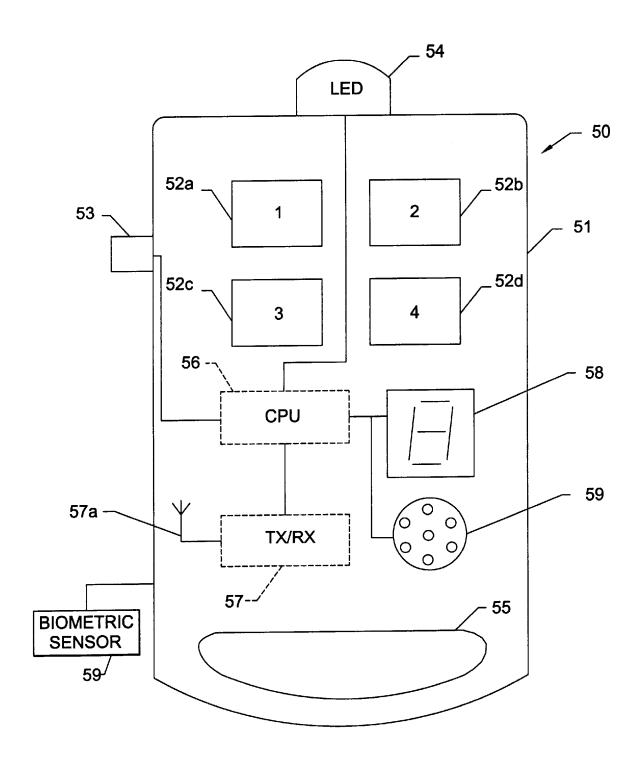
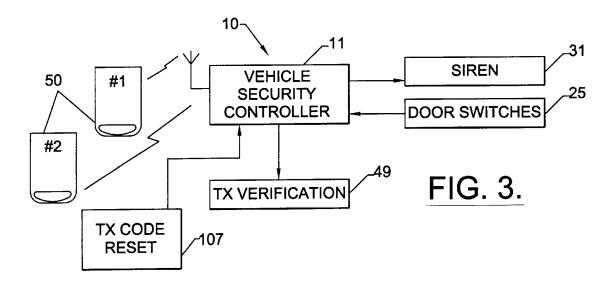
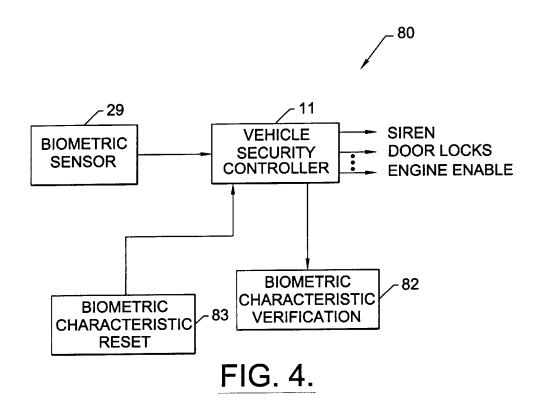


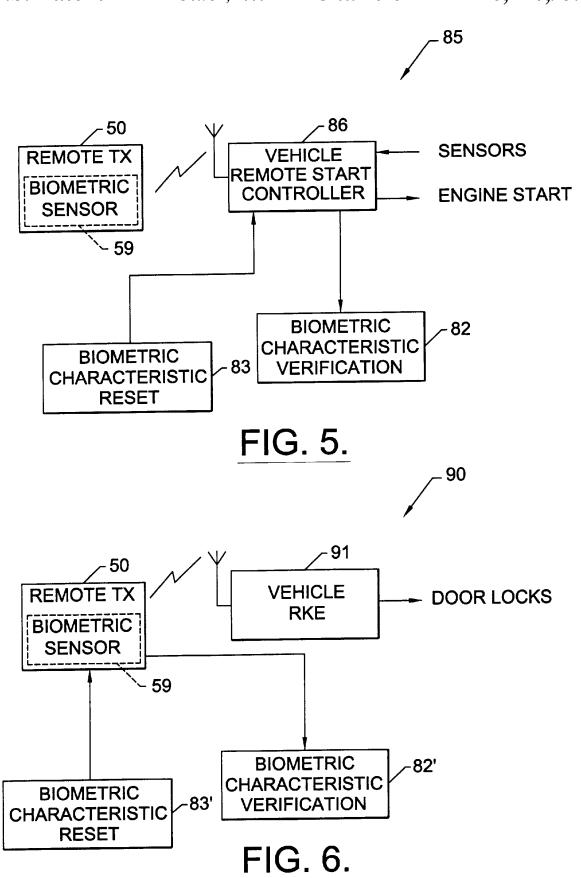
FIG. 2.











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