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United States Patent [19]

Jambhekar et al.

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[54] METHOD AND DEVICE FOR VEHICLE CONTROL EVENTS DATA RECORDING AND SECURING

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[51] **Int. Cl.**[7] **G06F 7/00**

[52] **U.S. Cl.** **701/35**; 701/117; 340/426; 340/825.31; 340/825.34

[58] **Field of Search** 701/29, 32, 33, 701/35, 117; 340/426, 428, 459, 825.31, 825.32, 825.34, 901, 991

[56] **References Cited**

U.S. PATENT DOCUMENTS

5,289,183 2/1994 Hassett et al. 340/905
5,311,197 5/1994 Sorden et al. .....
5,550,738 8/1996 Bailey et al. .....
5,805,082 9/1998 Hassett .....

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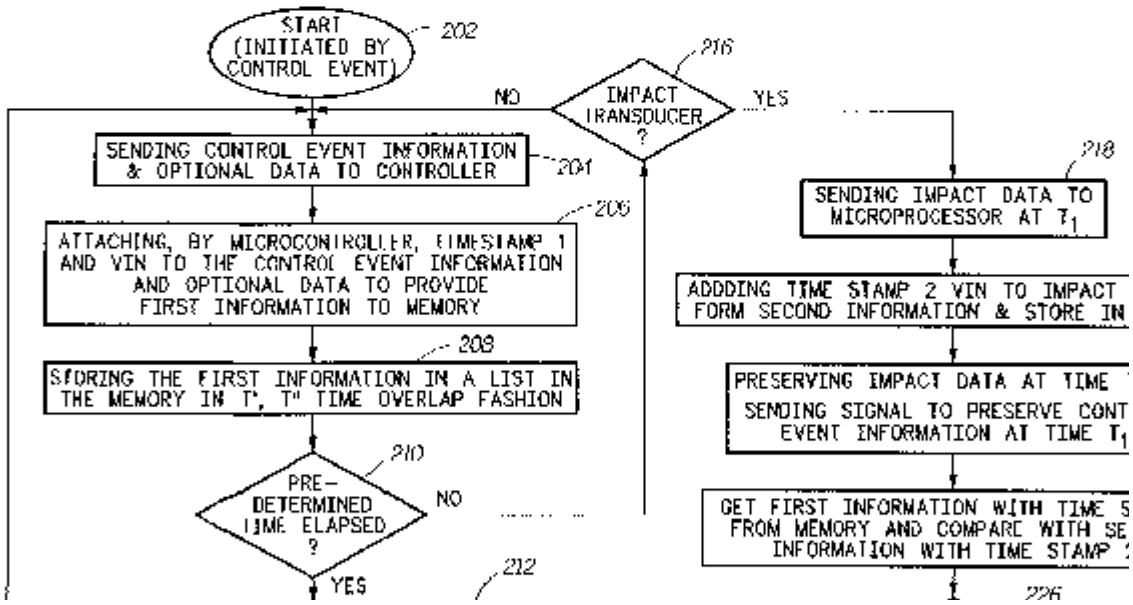
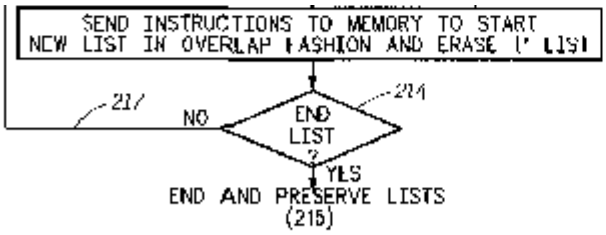
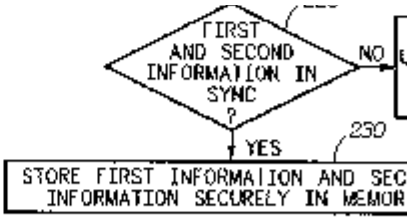
[57] **ABSTRACT**

A device (**100**) and method (**200, 300**) a
secure control event data for a vehicle, whc
includes: A) a microcontroller (**104**), cou
control event information, for attaching a f
and vehicle identification number VIN to th
information to provide first information and
information to memory (**106**) in time overlap
memory (**106**), coupled to the microcontrol
microprocessor (**108**), for storing first infor
ond information in time overlap fashion; an
processor (**108**), coupled to the memory (**106**
of transducers (**110**), for determining wl
impact data varies from previous impact d
received impact data varies, adding a second
VIN to the received impact data to form seco

6 Claims, 3 Drawing Sheet







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