

[54] ANTI-COLLISION SYSTEM FOR VEHICLES

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[52] U.S. Cl. 364/461; 364/426.04; 342/455; 340/436; 180/169

[58] Field of Search 364/460, 461, 424.01, 364/424.04, 426.04; 340/435, 436, 437, 438, 961; 342/29, 41, 455; 434/236, 238, 258; 273/440; 180/167-169; 73/517 A

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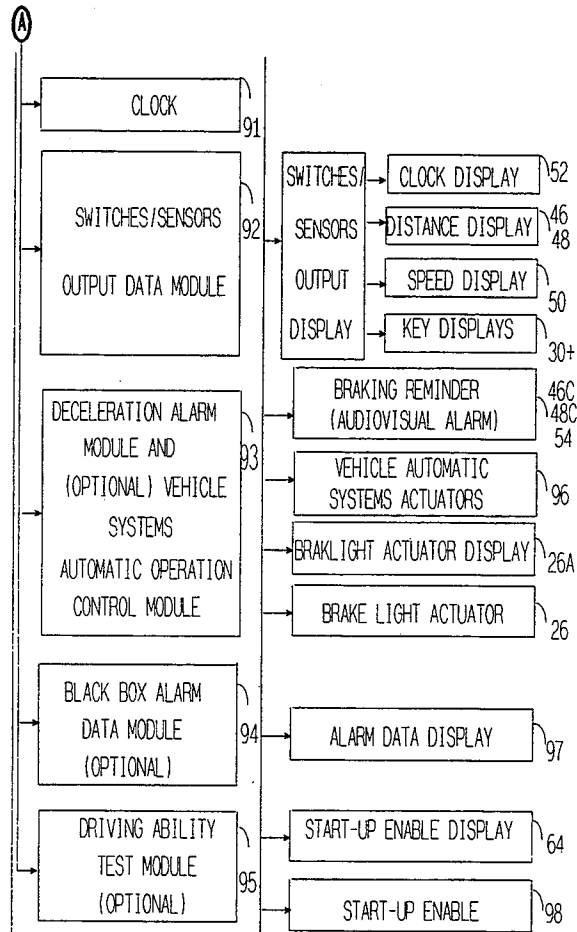
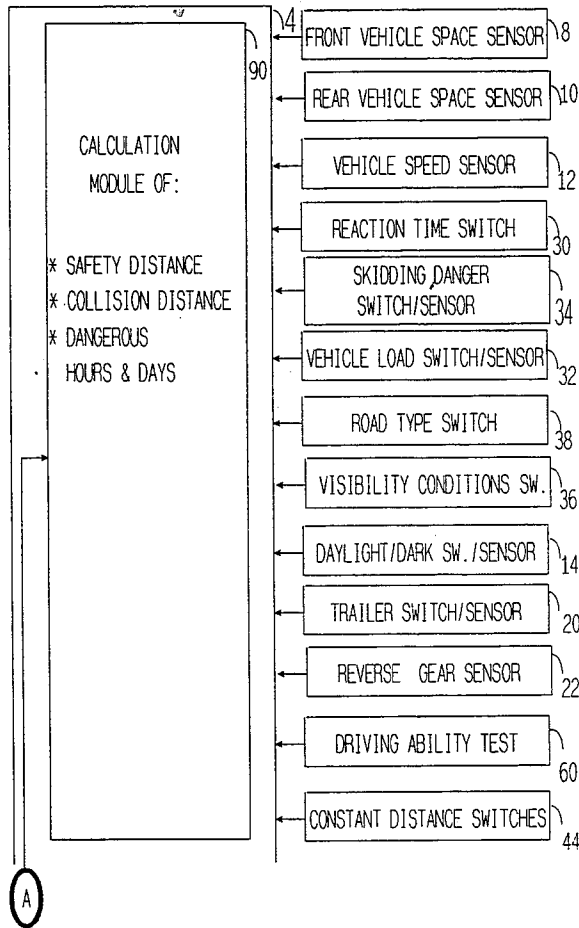
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[57] ABSTRACT

An anti-collision system for vehicles includes a speed sensor for sensing the speed of the vehicle, a space sensor for measuring the distance of the vehicle from an object, a computer for computing a danger-of-collision distance to the object, an alarm actuated by the computer when the sensed distance of the object is equal to or less than the danger-of-collision distance compared by the computer, and a brake light actuated upon the actuation of said alarm. The system also includes a control panel having parameter presetting means for presetting preselected parameters concerning the vehicle, the vehicle driver, and the environment, which are utilized by the computer for computing the danger-of-collision distance to the object.

20 Claims, 30 Drawing Sheets



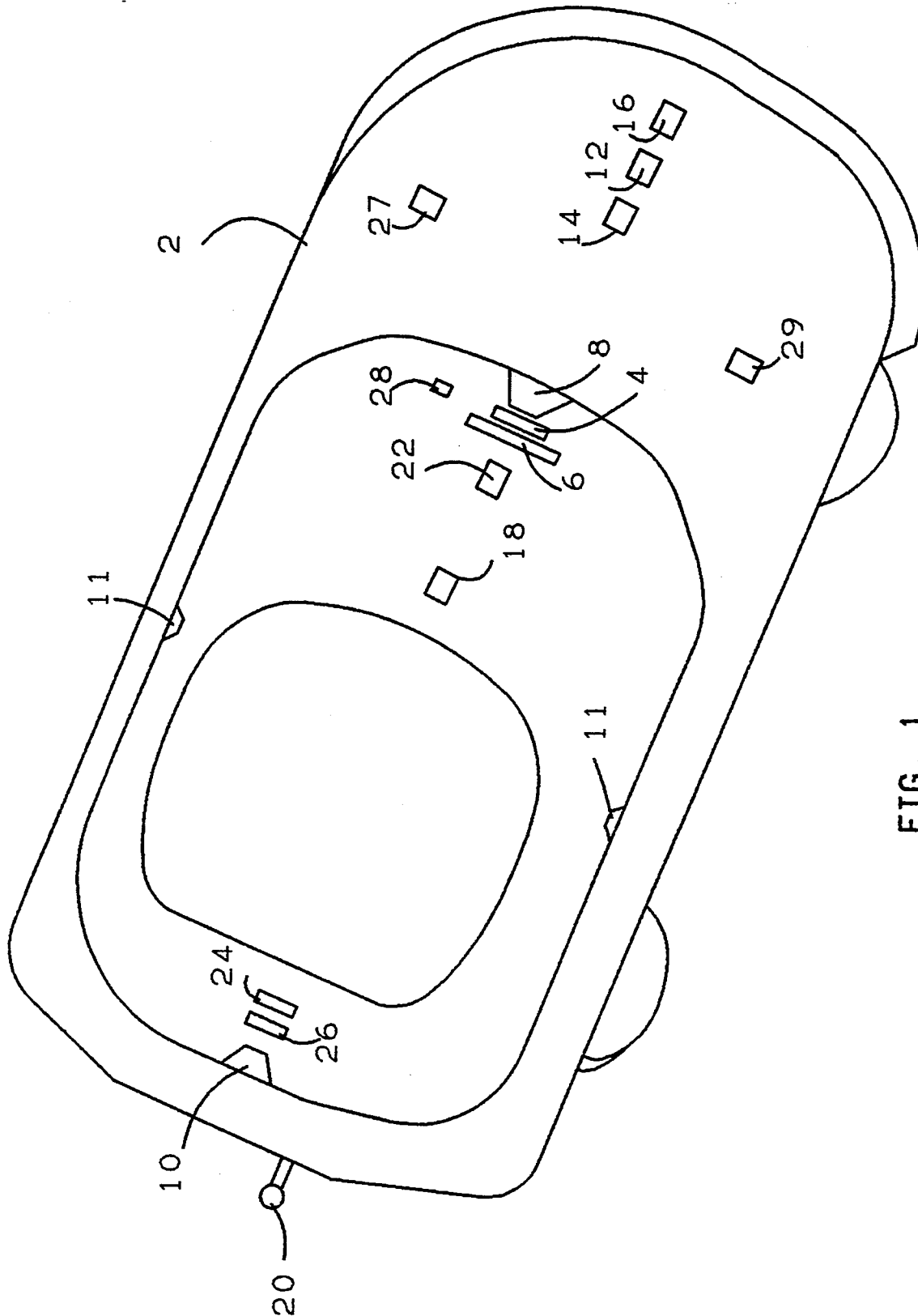


FIG. 1

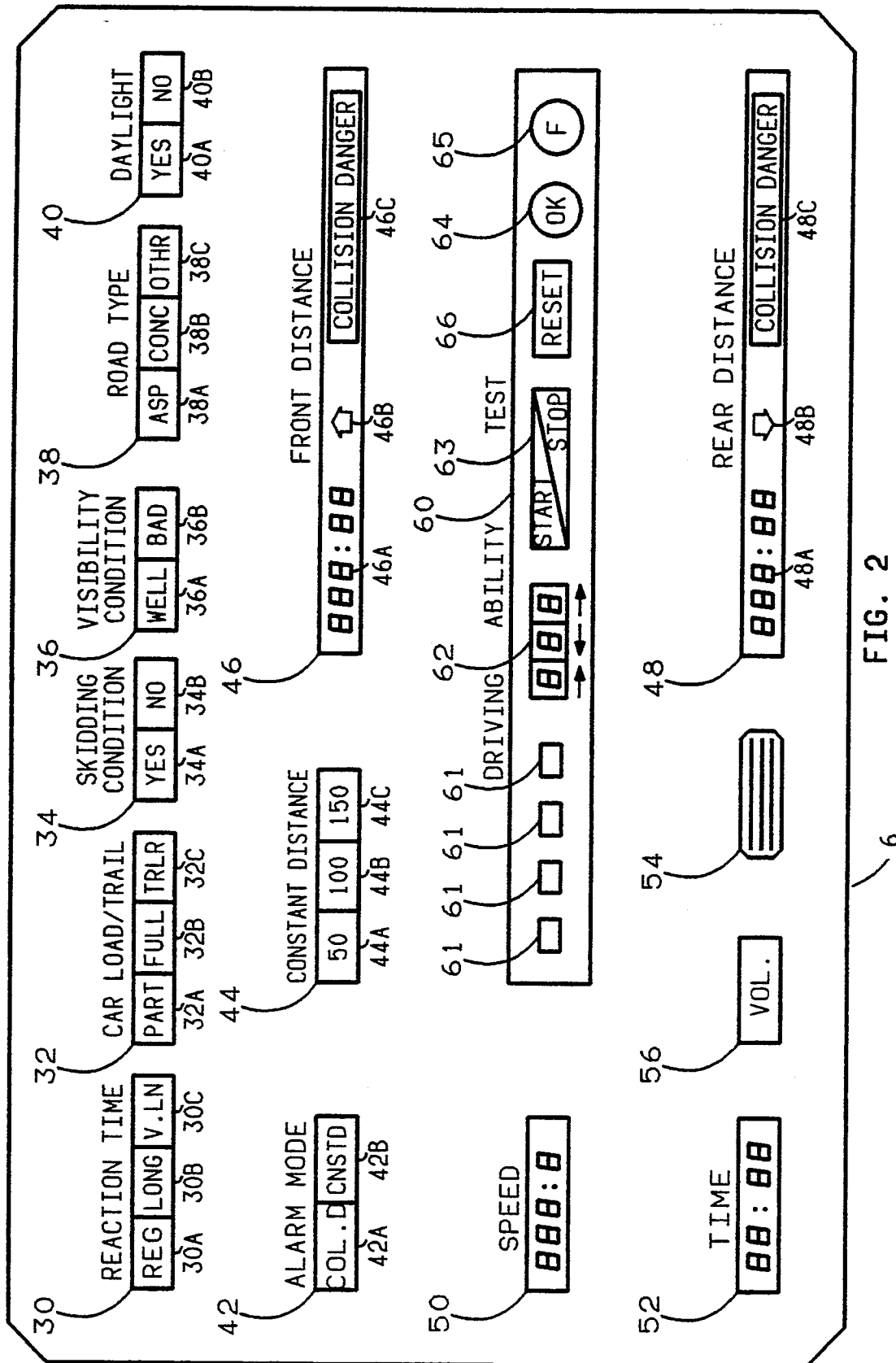


FIG. 2

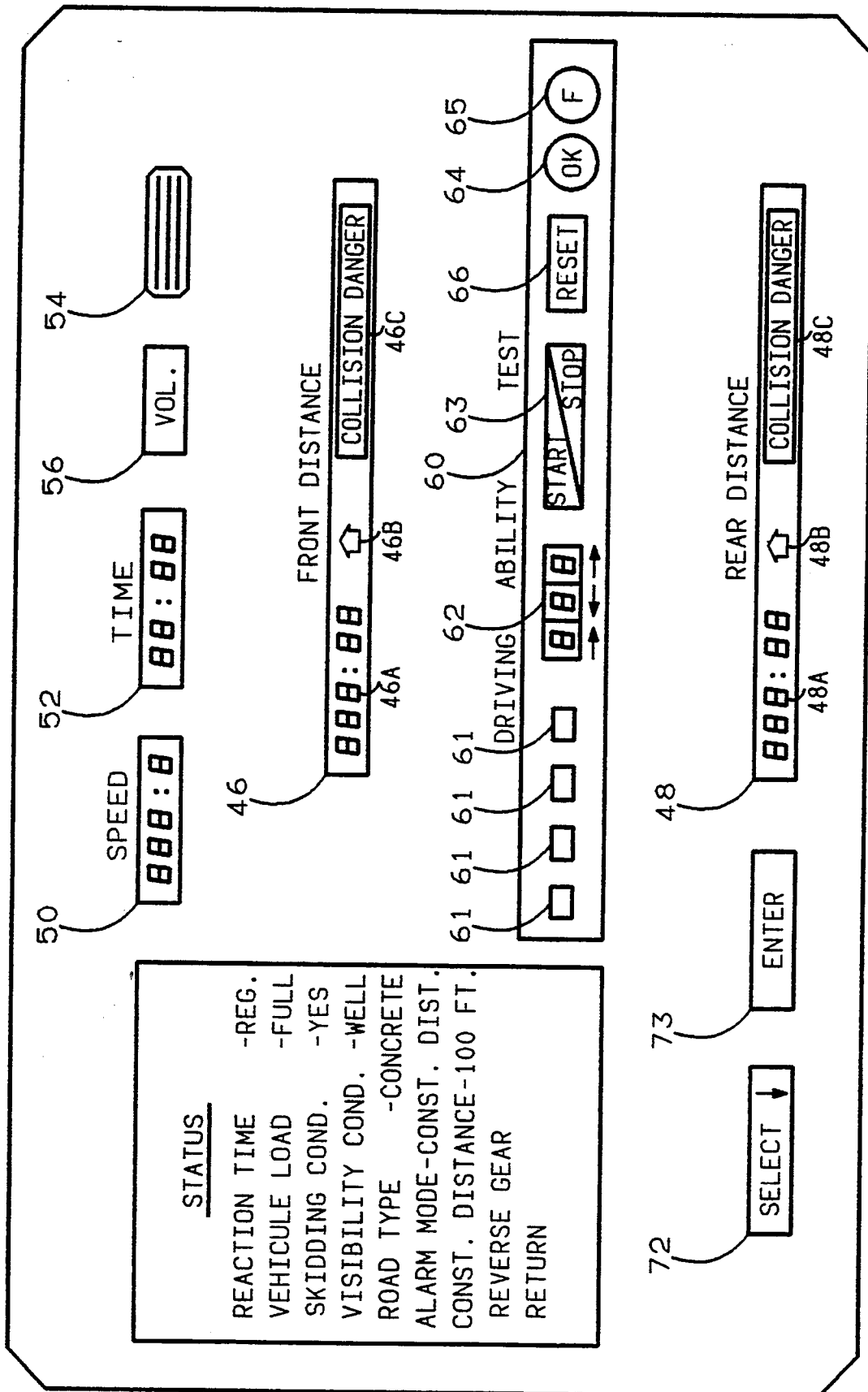
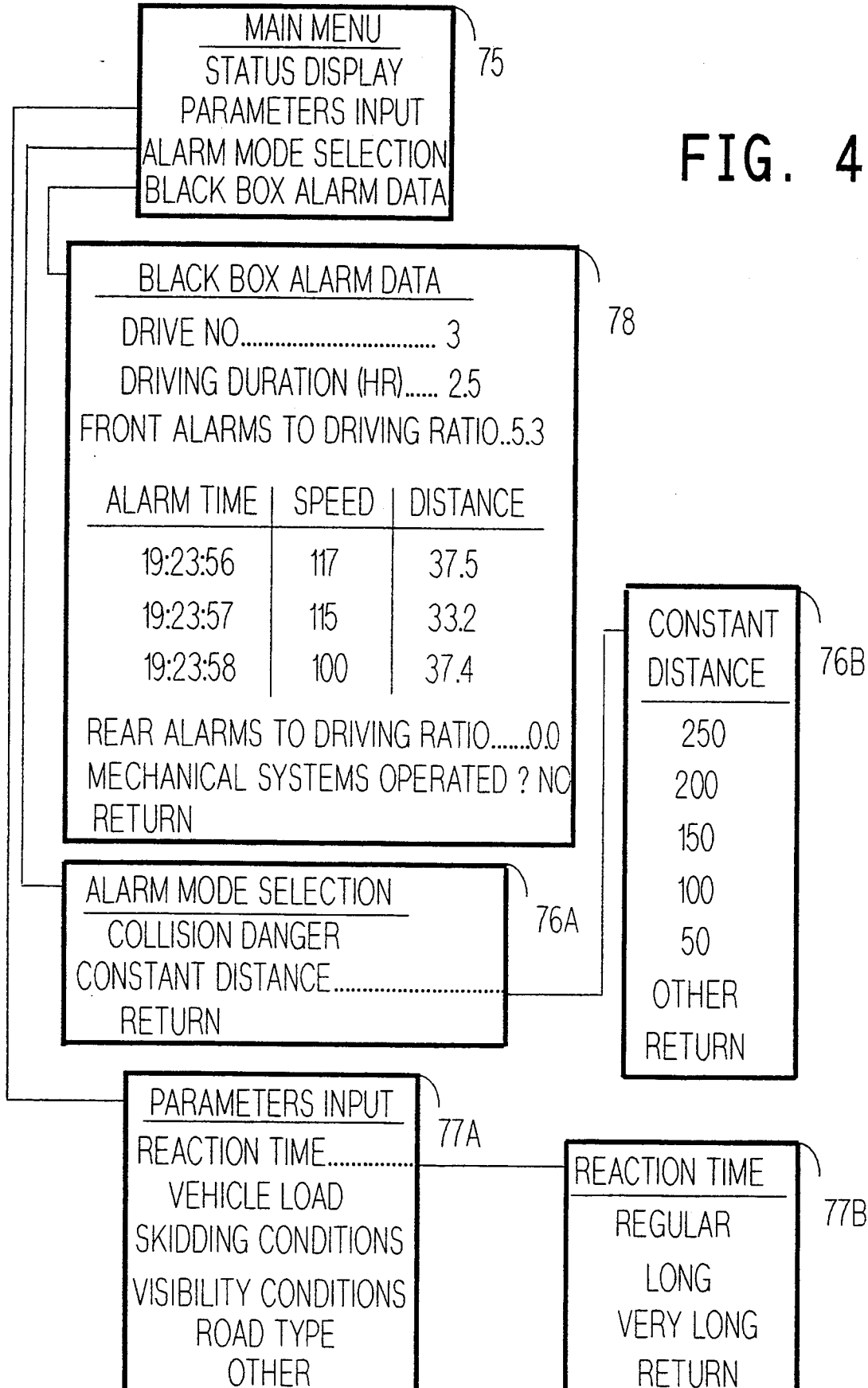


FIG. 3



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