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Davidian

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[54] **ANTI-COLLISION SYSTEM FOR VEHICLES**

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[21] Appl. No.: **70,817**

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[30] **Foreign Application Priority Data**

Jun. 4, 1992 [IL] Israel 102097

[51] Int. Cl.⁵ **G06F 15/50**

[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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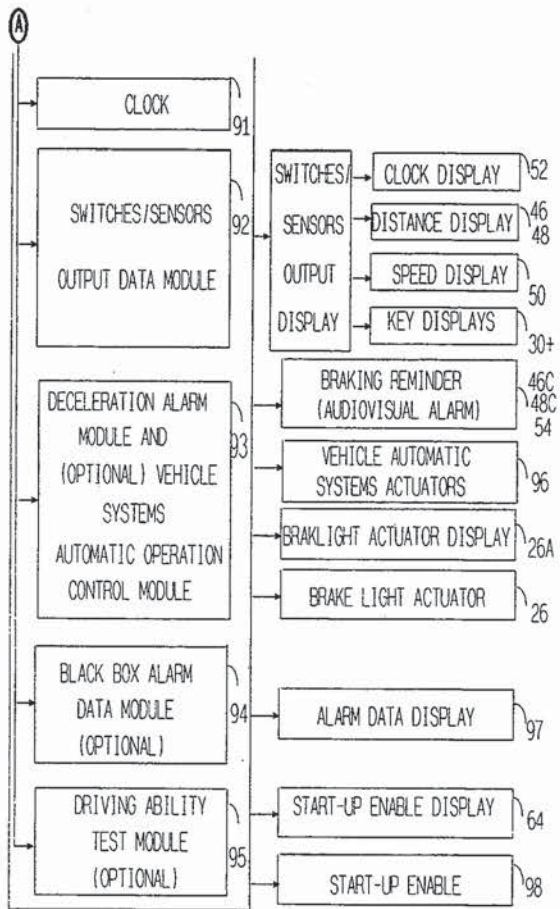
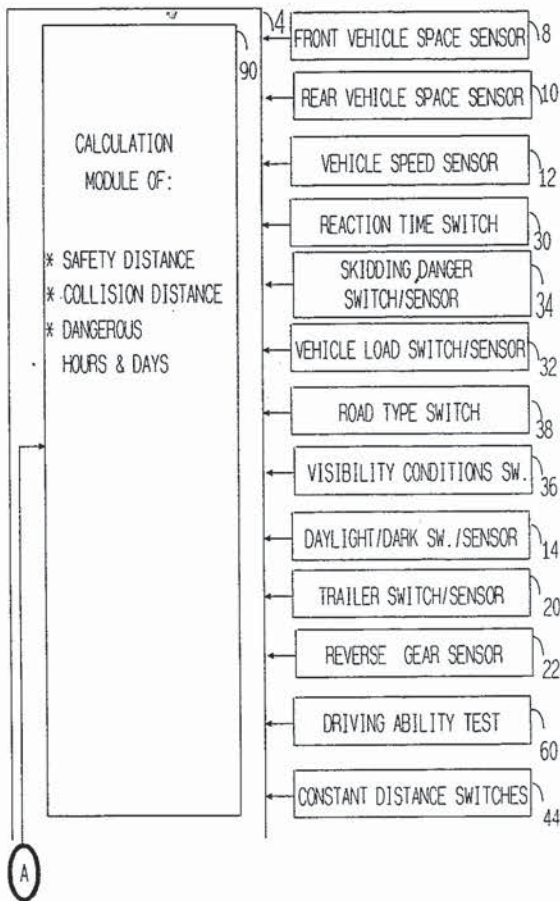
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Primary Examiner—Gary Chin
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[57] **ABSTRACT**

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



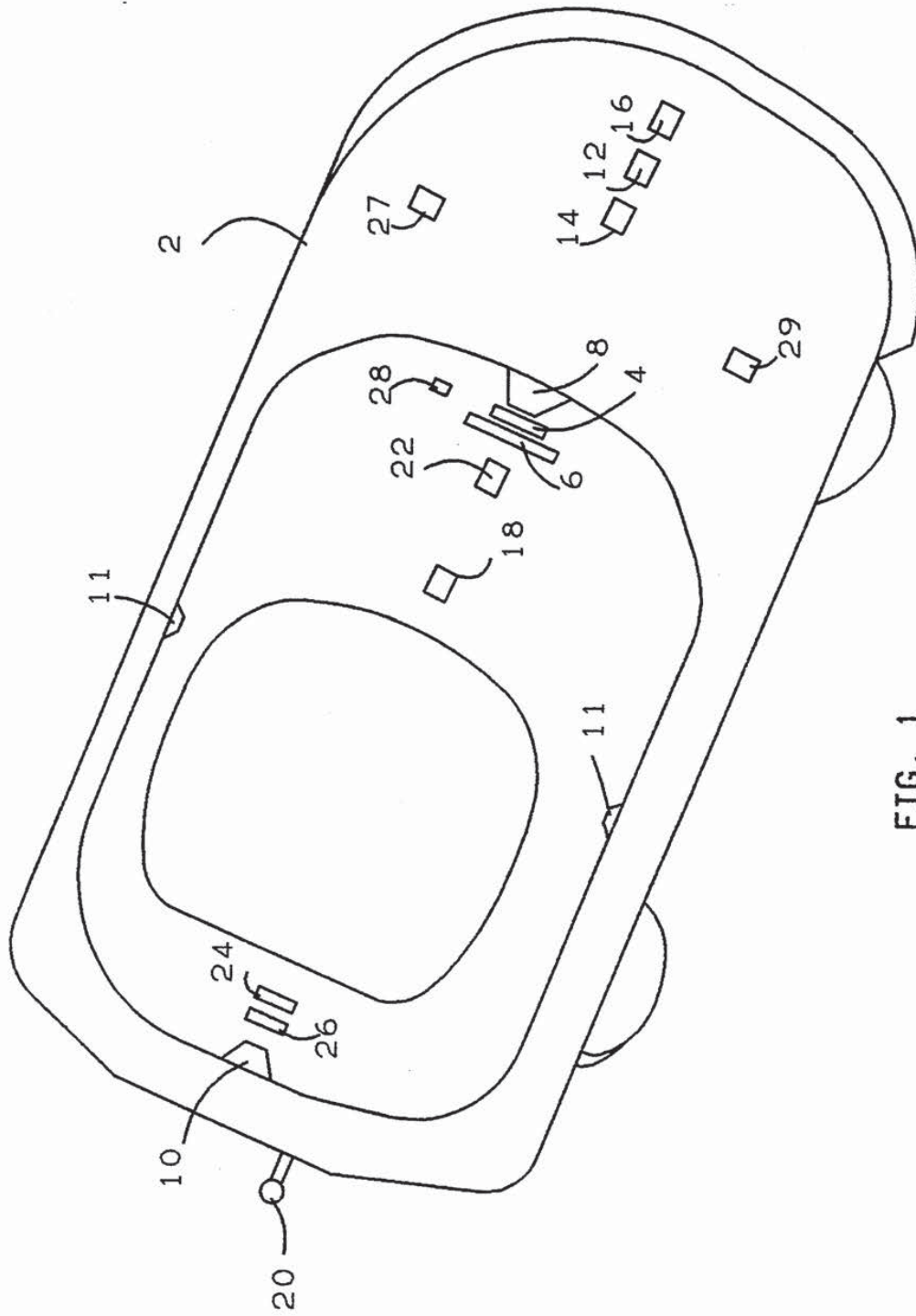


FIG. 1

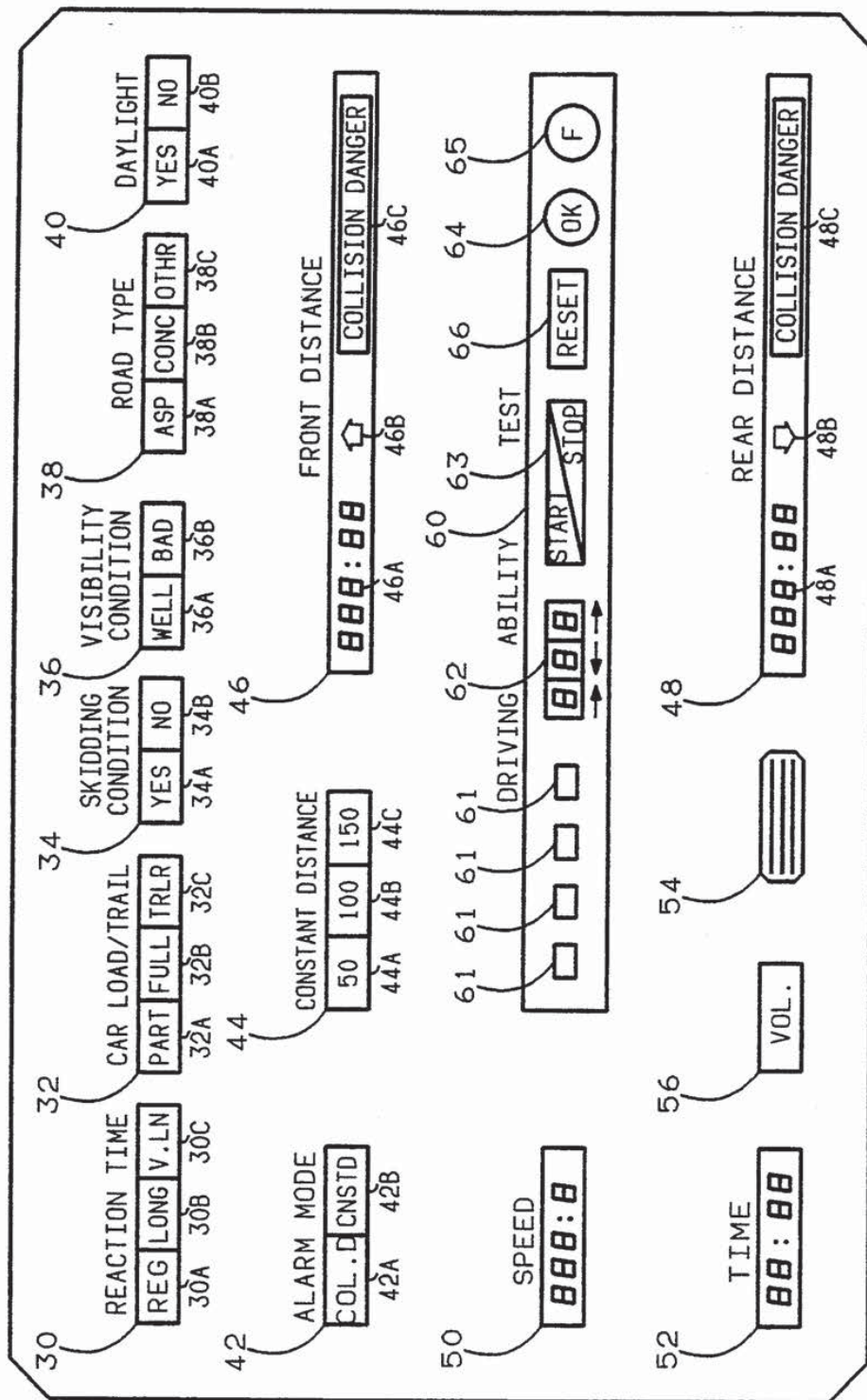


FIG. 2

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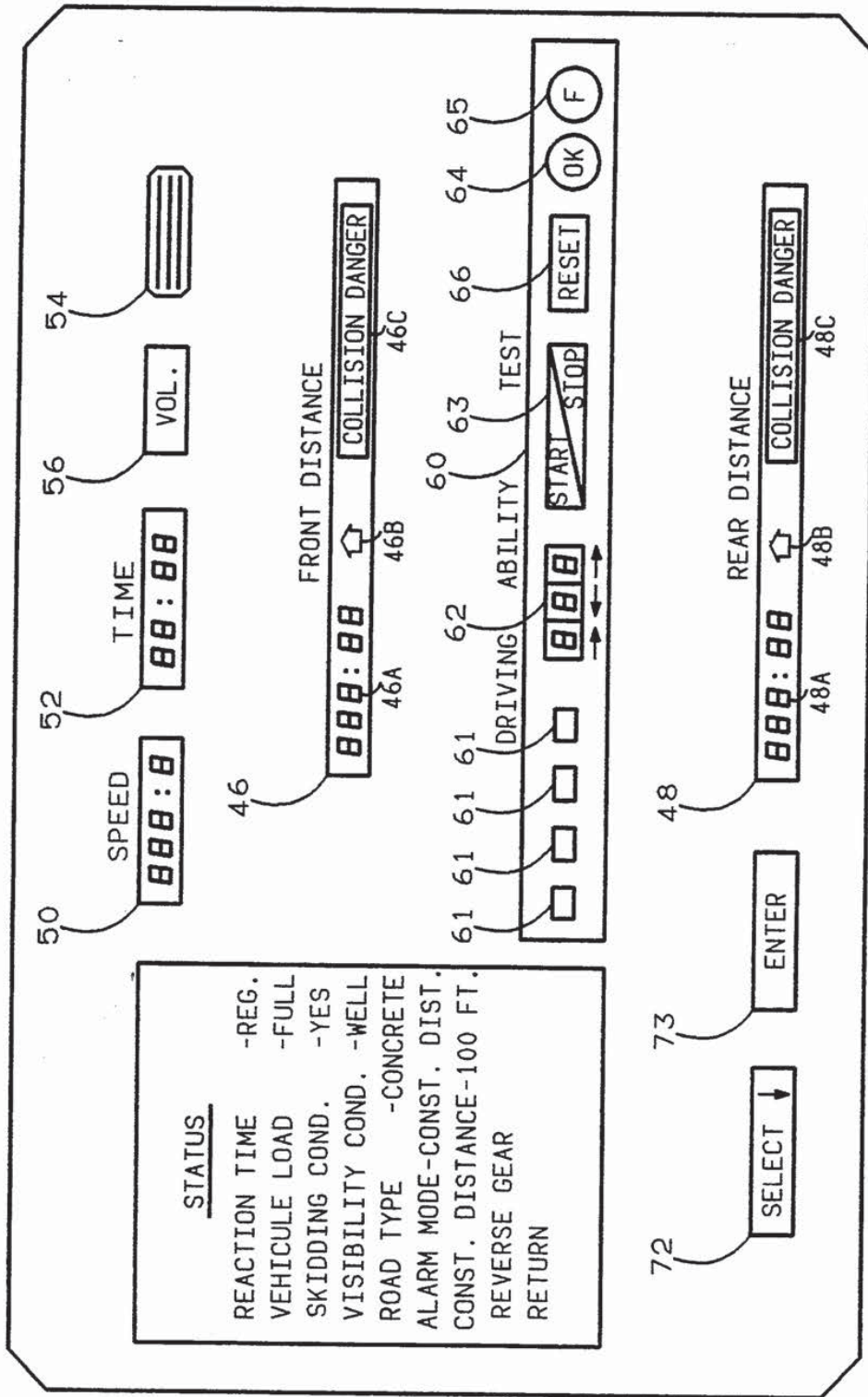
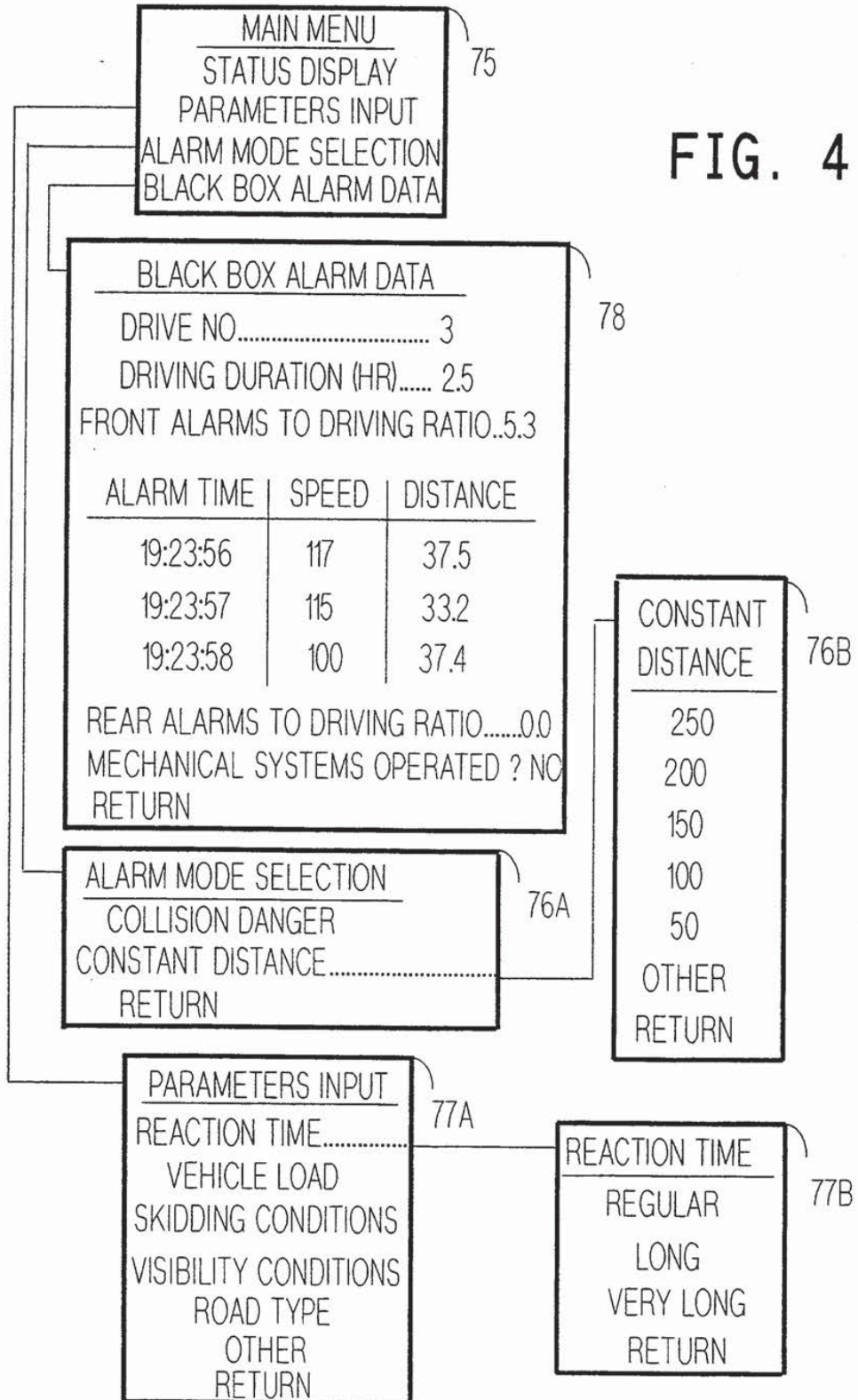


FIG. 3

FIG. 4



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