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Hynes

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(54) **APPARATUS FOR PROVIDING GPS POSITIONING INFORMATION TO A PLURALITY OF COMPUTERS FROM ONLY ONE GPS RECEIVER**

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(57) **ABSTRACT**

(73) **Assignee:** The United States of America as represented by the Secretary of the Army, Washington, DC (US)

An apparatus for providing GPS positioning information to a master computer and a plurality of slave computers from only one GPS receiver. The apparatus includes a circuit adapted to be coupled between the GPS receiver and the computers for providing each computer with a replica of a positioning information signal from the GPS receiver so that each computer receives all of the positioning information it would have received if it had been connected to its own GPS receiver. In addition, the apparatus includes a circuit adapted to be coupled between the GPS receiver and the computers for providing each computer with a replica of a synchronizing signal from the GPS receiver so that each computer receives the synchronizing signal it would have received if it had been connected to its own GPS receiver. Further, the apparatus includes a circuit adapted to be coupled between the GPS receiver and the master computer for passing a control signal from the master computer to the GPS receiver to set up and control the state of the GPS receiver.

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(52) **U.S. Cl.** 342/357.06; 701/213

(58) **Field of Search** 342/357.06; 701/213

(56) **References Cited**

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20 Claims, 2 Drawing Sheets

