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(54) **LAUNCHABLE COUNTERMEASURE DEVICE AND METHOD**

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(58) **Field of Search** 367/1; 381/71.1

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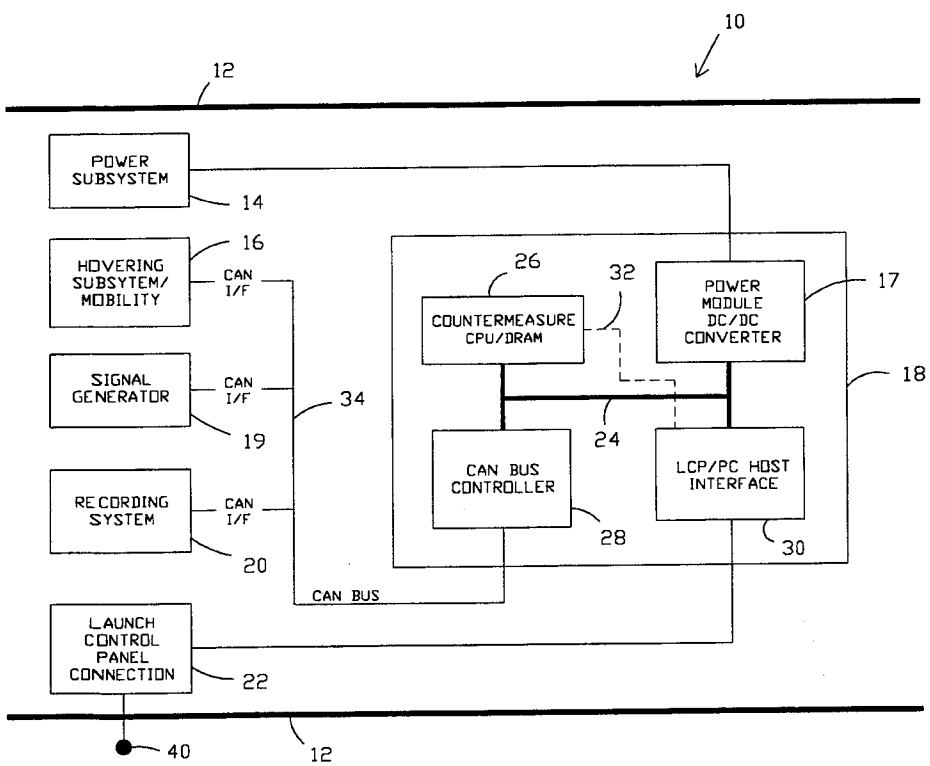
(57) **ABSTRACT**

A launchable countermeasure device and method is disclosed that may be selectively operated to produce one or more of a plurality of countermeasure techniques. The device is compatible with presently existing launch control panels that are connected to an external connection that extends from the watertight hull. Although the signal formats of the launch control panel are different from those of an RS232 or RS422 connection used with a personal computer, nonetheless an interface is operable to accept any of these signal formats. The interface also includes a switch to direct communication from the personal computer to a RS232 port of an internally mounted countermeasure processor. Information downloaded by the personal computer can be used to effect or upgrade different countermeasure techniques such as sonar or incoming torpedo threat countermeasure techniques. The launch control panel is used to select the type of countermeasure technique to be used along with the information relating thereto such as acoustic signal production, hovering system constraints, duration, depth, propeller controls, and the like. The various subsystems are linked by a bus and controlled by. the countermeasure processor through a bus controller.

20 Claims, 3 Drawing Sheets