



US005577942A

# United States Patent [19]

[11] Patent Number: **5,577,942**

**Juselis**

[45] Date of Patent: **Nov. 26, 1996**

## [54] STATION KEEPING BUOY SYSTEM

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[21] Appl. No.: **508,873**

## [57] ABSTRACT

[22] Filed: **Jul. 28, 1995**

The present invention relates to a buoy system capable of maintaining a buoy in a fixed position on the ocean or another body of water without the use of an anchoring device. The buoy system includes a navigation control system for determining the position of the buoy relative to a desired station and a propulsion system for maneuvering the buoy to and maintaining it at the desired location or station. The navigation system receives positional information from a global positioning system antenna, and a compass. The propulsion system on the buoy may be formed by one or more thrusters.

[51] Int. Cl.<sup>6</sup> ..... **B63B 22/18**

[52] U.S. Cl. .... **441/21; 367/4**

[58] Field of Search ..... 441/11, 21, 22;  
114/144 B; 367/4

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**17 Claims, 3 Drawing Sheets**

