

# Ex. PGS 1065



US005404339A

# United States Patent [19]

[11] Patent Number: **5,404,339**

Cole, Jr.

[45] Date of Patent: **Apr. 4, 1995**

[54] **RETRIEVER FOR A SEISMIC STREAMER CABLE**

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[75] Inventor: **Jimmy R. Cole, Jr., Houston, Tex.**

[73] Assignee: **Concord Technologies Inc., Houston, Tex.**

[21] Appl. No.: **201,940**

[22] Filed: **Feb. 25, 1994**

[51] Int. Cl.<sup>6</sup> ..... **G01V 1/38; H01B 7/12**

[52] U.S. Cl. .... **367/16; 367/18**

[58] Field of Search ..... **367/16-19, 367/108, 133; 181/110; 144/245**

[56] **References Cited**

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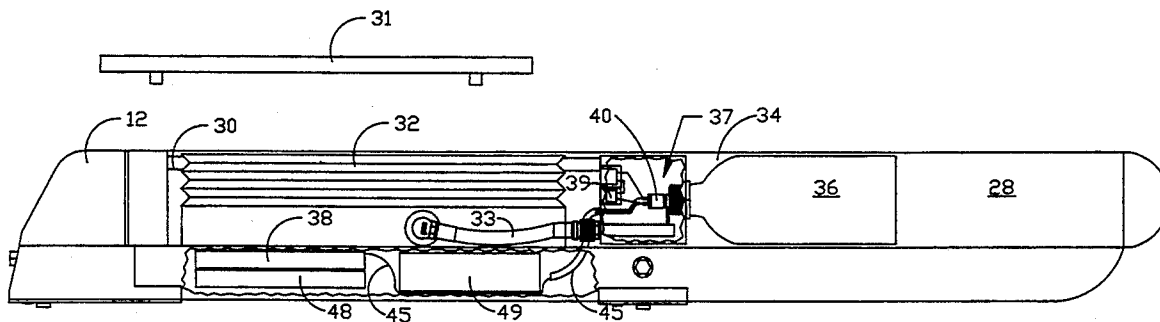
*Primary Examiner*—Nelson Moskowitz

*Attorney, Agent, or Firm*—William A. Knox

[57] **ABSTRACT**

A marine seismic streamer cable retriever is activated promptly when the cable and its attached retriever exceed a pre-selected safe depth. In an alternative scenario, an electronics module in the cable retriever monitors the presence of through-cable communications traffic between a mother ship and the various sensors in the cable. If an interruption in communications traffic is detected, a clock starts a count-down and sends a warning to the operator aboard ship. At the end of a count-down period, absent prior operator intervention, the cable retriever is activated.

**9 Claims, 5 Drawing Sheets**



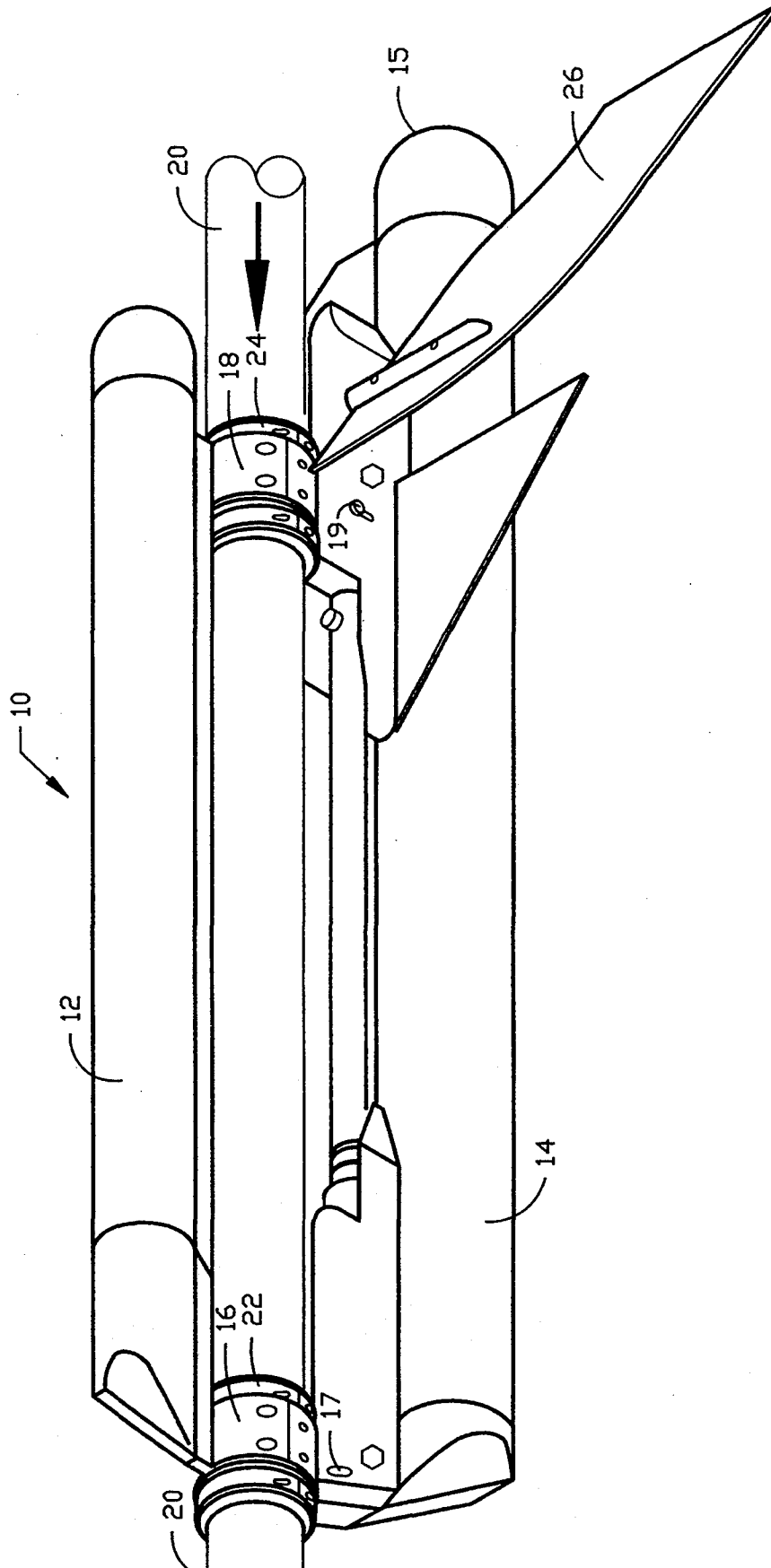


FIGURE 1

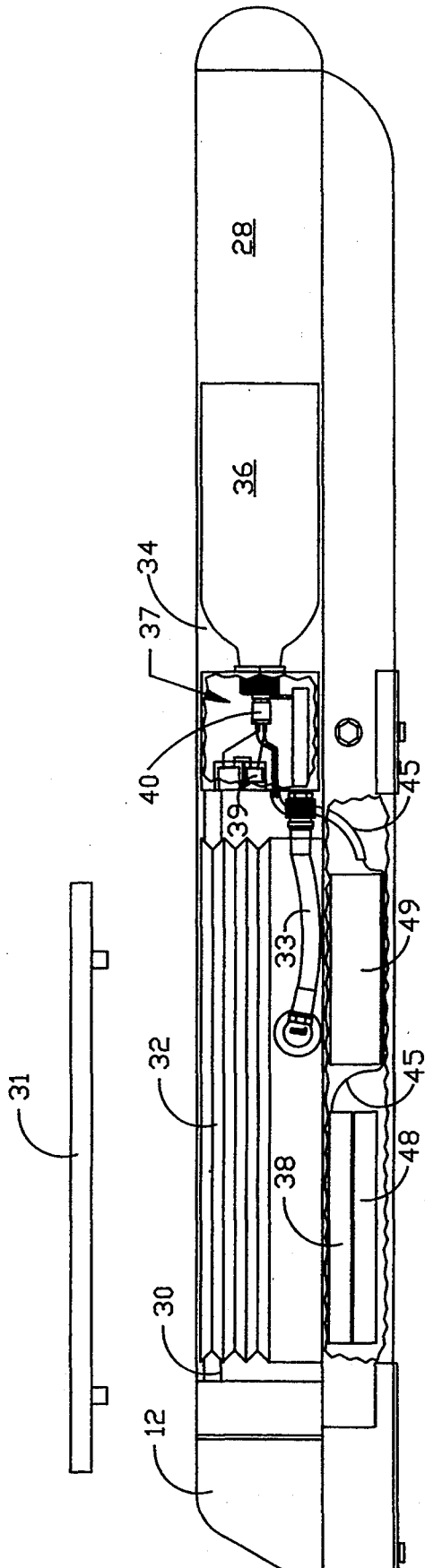


FIGURE 2

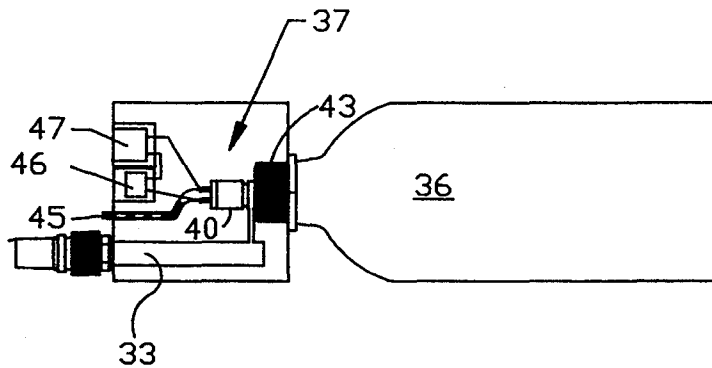


FIGURE 3

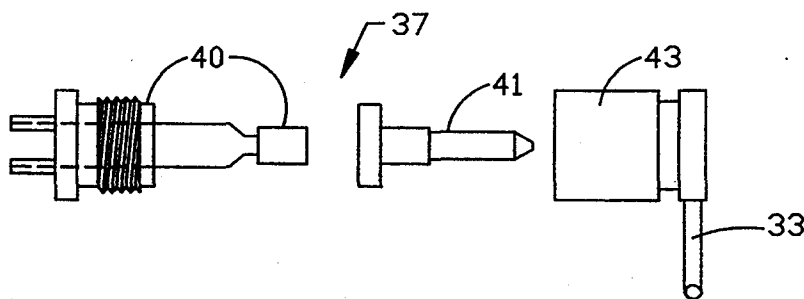
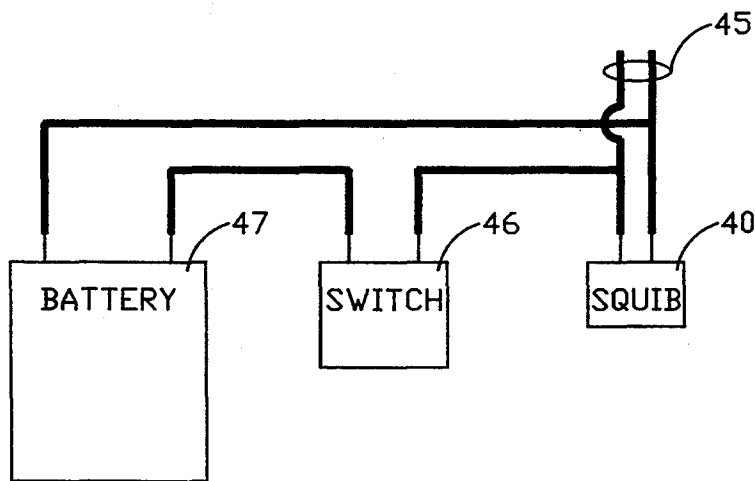


FIGURE 3A



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