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Ferreira et al.

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[54] SUBMERSIBLE DEVICE LAUNCHER

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[57] ABSTRACT

[73] Assignee: **The United States of America** as
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A submersible device launcher includes an external cage structure including at least a base, an overhead reinforcing member and a plurality of corner posts connecting the base to the overhead reinforcing member. A launcher barrel is mounted to the external cage structure, a half-wall is mounted to and braced against the base of the external cage structure at a peripheral edge thereof, and an impulse cylinder is mounted to the half wall for connection to the launcher barrel. A firing valve is anchored to the base of the external cage structure, a first support bench is mounted to a first corner post of the external cage structure, and an air flask is seated on the first support bench and held in a stationary position thereon by prong members extending upwardly from the first support bench and further attached to a corner post by a band member. An underwater junction box is mounted to another corner post of the external cage structure, and a display panel is remotely positioned above the water surface for operating the firing valve and monitoring depth pressure firing valve pressure, air flask pressure and impulse cylinder at-battery and firing positions.

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[51] Int. Cl.⁶ **B63B 1/00**

[52] U.S. Cl. **114/239**

[58] Field of Search **114/312, 238,**
114/239

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9 Claims, 4 Drawing Sheets

