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Lazauski

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[54] **UNDERWATER SENSING DEVICE FOR OCEAN FLOOR CONTACT**

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[57] **ABSTRACT**

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An underwater sensing device for measuring or sensing an underwater condition proximate the floor of an ocean, lake or similar body of water. The sensing device includes an underwater sensing device mounting member and an underwater sensing device sensor, such as a hydrophone, mounted on the mounting member. The mounting member has known acoustic properties including a thickness and a largest dimension, each of which is a function of an acoustic wavelength in the underwater environment. The sensing device can also include acoustic diffraction reducing members disposed around the edges of the mounting member. The sensing device can also include first and second underwater sensors disposed on either side of the mounting member so that one of the sensors faces away from the underwater floor. An underwater sensing device switch, such as a gravity switch, activates the sensor that faces away from the underwater floor.

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[52] **U.S. Cl.** 367/188; 367/173; 181/122

[58] **Field of Search** 367/188, 173; 181/122, 401, 402

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18 Claims, 2 Drawing Sheets

