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Yates et al.

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(54) **SUBMERSIBLE SYSTEM FOR ANALYZING UNDERWATER HABITAT QUALITY**

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(58) **Field of Search** **114/312, 314; 119/207, 208, 211; 135/124, 125, 128, 137**

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(57) **ABSTRACT**

A submersible system is provided for isolating a volume of water located above an underwater substrate and for analyzing the volume of water. The system includes a tent having a shape enclosing an area of underwater substrate and a volume of water immediately above the substrate. A support frame formed by frame members each including plural detachable sections for maintaining the shape of the tent. A securing assembly, comprising a peripheral flap held down by weights in the form of sandbags or a heavy chain serves to secure the tent to the substrate. A circulation system, located at least partially within the tent, provides circulation of the volume of water within the tent so as to maintain a circulating flow pattern within the tent. A flow through analytical system is provided for removing a portion of water from the enclosed volume of water and for analyzing at least one property of the portion of water.

24 Claims, 2 Drawing Sheets

