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# United States Patent [19]

Kuklinski

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[54] **METHOD AND APPARATUS FOR PRODUCING GAS BUBBLES IN A LIQUID MEDIUM**

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[58] Field of Search ..... 261/1, 81, DIG. 48; 210/748

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[57] **ABSTRACT**

Disclosed is a method and apparatus for producing gas bubbles of a uniform size in a liquid. First, the liquid medium flows over a wall or other liquid containment surface. Gas is then emitted into the liquid medium to form gas bubbles from an aperture in the wall at a bubble formation position. A standing wave is then established in the liquid medium at the aperture. It is found that the bubbles formed at the aperture are of a substantially uniform size.

20 Claims, 3 Drawing Sheets

