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Schmalzel

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[54] **METHOD AND APPARATUS FOR MINERAL FLOTATION CELL LEVEL DETECTION**

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[57] **ABSTRACT**

[21] Appl. No.: **539,344**

A flotation cell level detector for providing an indication of a level of a liquid in a flotation cell may comprise a generally circular shaped float having a submergence function such that small changes in the submergence level of the float will result in large changes in the submerged volume of the float when the float is submerged at about the design level of submergence. A reference member is attached to the float and held a spaced distance above the float by a plurality of support members. A sensor mounted above the reference member detects the position of the reference member and generates a corresponding output signal.

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[52] U.S. Cl. **73/322.5; 73/305**

[58] Field of Search **73/305, 309, 314, 73/322.5**

[56] **References Cited**

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15 Claims, 6 Drawing Sheets

