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(54) Title: ADJUSTABLE PULSED GAS AGITATOR

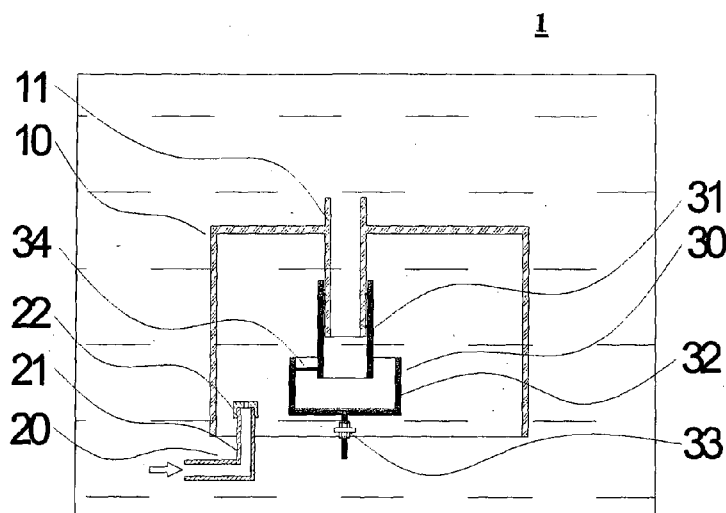


FIG 1

(57) Abstract: The present invention provides an adjustable pulsed gas agitator comprising a gas accumulation chamber with a gas discharge pipe, a gas supply unit, and an adjustable gas discharge unit. The adjustable gas discharge unit comprises an elongatable gas pipe slidably disposed over the lower part of the gas discharge pipe, and a gas cap disposed underneath the elongatable gas pipe; so that when the adjustable gas discharge unit is moved upward or downward, the volume of the stirring gas accumulated within the gas accumulation chamber is decreased or increased; thereby the frequency and strength of the discharged pulsed gas flows is varied.