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(54) Title: GRANULAR SLUDGE REACTOR SYSTEM COMPRISING AN EXTERNAL SEPARATOR

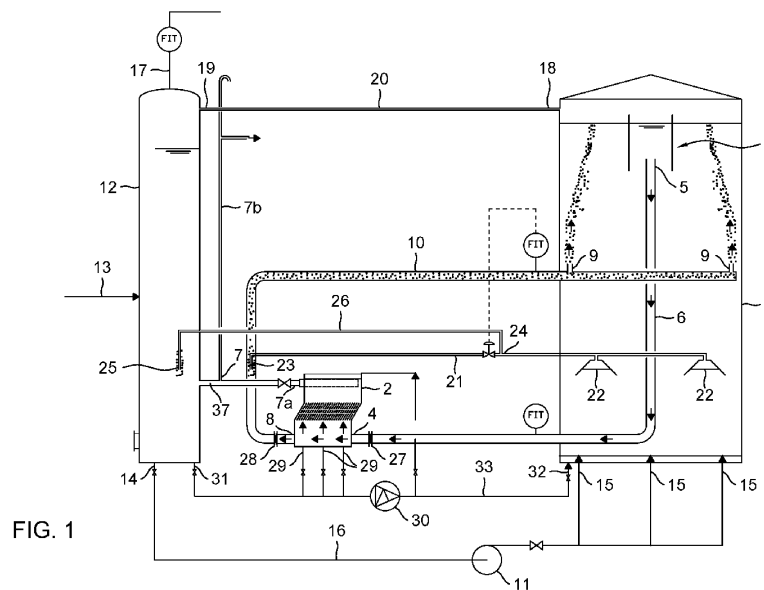


FIG. 1

(57) Abstract: The invention relates to a method for treating an aqueous fluid comprising a biodegradable organic substance in an installation comprising an upflow bioreactor containing a sludge bed, said sludge bed comprising biomass, an external separator, and a conditioning tank, comprising - treating the fluid in the conditioning tank; - feeding the treated fluid into a lower part of the bioreactor and forming biogas; - withdrawing the fluid from an upper part of the bioreactor, which withdrawn fluid comprises biomass; - feeding the aqueous fluid withdrawn from the upper part of the bioreactor into the external separator wherein the aqueous fluid comprising the biomass is separated into a liquid phase, and a fluid phase enriched in biomass; - returning said fluid phase enriched in biomass from the external separator to the bioreactor; and - returning a part of said liquid phase to the conditioning tank.

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