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(54) Title: SIMULTANEOUS PHASE OPERATED ANAEROBIC SEQUENTIAL BATCH REACTION SYSTEM WITH BATCH DEGASSING UNIT AND SEMI-CONTINUOUS SETTLING UNIT

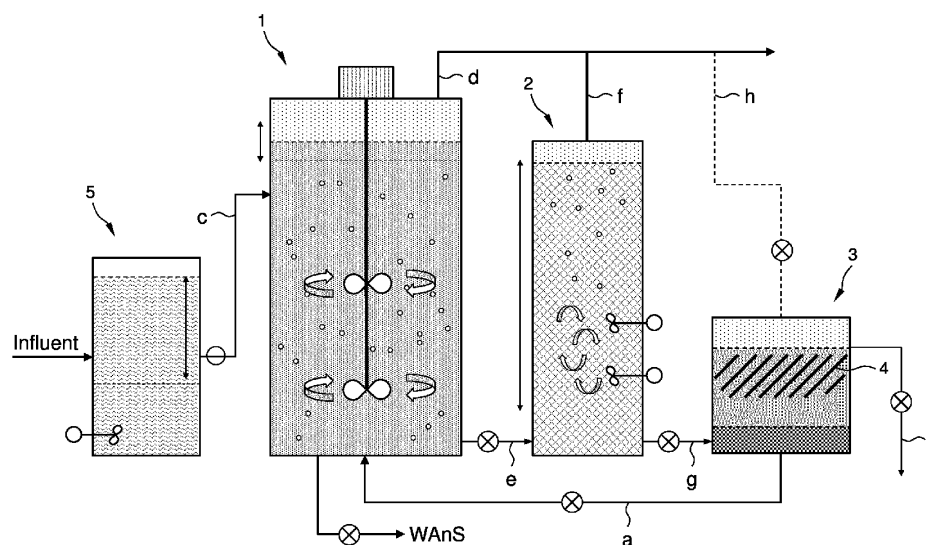


Fig. 1

(57) Abstract: The present invention relates to a process for treating an aqueous fluid comprising a biodegradable organic substance the process comprising - a bioreactor unit batch feeding stage, wherein the aqueous fluid that is to be treated is fed into a bioreactor unit; - a batch reaction stage, wherein the aqueous fluid is microbiologically treated and biogas is produced in the bioreactor unit; - a degassing unit feeding stage, wherein an aqueous suspension comprising microbiologically treated aqueous fluid and biomass is withdrawn from the bioreactor unit and fed batch-wise into a degassing unit; and - a semi-continuous biomass separator unit feeding stage, wherein the degassed aqueous suspension is withdrawn from the batch degassing unit and fed into a biomass separator.

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