Title (en)
APPARATUS AND METHOD FOR PRECIPITATION OF PHOSPHORUS FROM WASTE WATER

Title (de)
VORRICHTUNG UND VERFAHREN ZUR AUSFÄLLUNG VON PHOSPHOR AUS ABWASSER

Title (fr)
APPAREIL ET PROCÉDÉ POUR PRÉCIPITATION DE PHOSPHORE À PARTIR D'EAU USÉE

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Abstract (en)
[origin: WO2009004123A1] This invention relates to an apparatus attachable to a small-scale purification unit for precipitating phosphorus from waste water, said apparatus comprising a pumping vessel (1), a discharge pump (2) for unloading the pumping vessel, a chemical tank (6), a chemical metering pump (5) for dispensing a chemical from the chemical tank (6) into waste water to be discharged from the pumping vessel (1), whereby a separation of the resulting chemical precipitate from water draining out of the purification unit is arranged to be accomplished in a settling tank (12) of the small-scale purification unit. In this invention, the metering pump (5) is arranged to supply a chemical coagulant into an effluent flow discharged by the discharge pump (2) over an entire or almost entire operating cycle of the discharge pump (2).

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