

Title (en)  
METHOD AND ARRANGEMENT FOR SEPARATING SOLIDS AND LIQUIDS IN SUSPENSIONS, IN PARTICULAR SEWAGE SLUDGE, BY ADDING FLOCCULANTS

Title (de)  
VERFAHREN UND ANORDNUNG ZUR FEST-FLÜSSIG-TRENNUNG VON SUSPENSIONEN, INSBESONDERE VON KLÄRSCHLAMM UNTER ZUGABE VON FLOCKUNGSMITTELN

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE SÉPARATION SOLIDE-LIQUIDE DE SUSPENSIONS, NOTAMMENT DE BOUES D'ÉPURATION, PAR AJOUT DE FLOCULANTS

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Application  
**EP 19736687 A 20190704**

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Abstract (en)  
[origin: WO2020007978A1] The invention relates to a method for separating solids and liquids in suspensions, in particular sewage sludge (K), said method working by adding flocculants (F1) and/or flocculating agents. The suspension, in particular the sewage sludge (K), is observed by means of a sensor (S1). In a first method step, flocculants (F1) and/or flocculating agents are added to a first mixing stage (M1) until the sensor (S1) detects the formation of first flocs. The addition of the flocculant (F1) and/or the flocculating agent is then interrupted so that the suspension, in particular the sewage sludge (K), has a defined, specifically a first, floc-comprising state at that moment. The suspension, in particular the sewage sludge (K), is now fed to a further mixing stage (M2, MM). In this further mixing stage (M2, MM), the same (F1) or another (F2, F3) flocculant or flocculating agent is added in a quantity which is predefined and which, starting from the defined state of the suspension, in particular the sewage sludge (K), causes a desired amount of flocs in the suspension, in particular the sewage sludge (K). The resulting mixture is then fed directly or indirectly to a solid/liquid separation system.

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