

Title (en)

METHOD AND INSTALLATION FOR TREATING EFFLUENTS, COMPRISING AN ADDITIONAL TREATMENT OF THE SLUDGE BY OZONISATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ABWASSERBEHANDLUNG MIT EINER ZUSÄTZLICHEN SCHLAMMBEHANDLUNG DURCH OZON

Title (fr)

PROCEDE ET INSTALLATION DE TRAITEMENT D'EAUX RESIDUAIRES COMPRENANT UN TRAITEMENT ADDITIONNEL DES BOUES PAR OZONATION

Publication

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Application

EP 00971503 A 20001025

Priority

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Abstract (en)

[origin: WO0142150A1] The inventive method is characterized in that it comprises a stage in which the sludge from the biological treatment stage or the separation stage is degraded. During said degradation stage, the sludge is brought into contact with an ozonised gas in conditions in which it is possible to obtain a floc consisting of granules with an average size of over 200 microns and a level of volatile matter of between 50 and 65 %, the thickening factor of the granular sludge after a decantation of 30 minutes always being greater than 4. The granular sludge is obtained by: treating between 0.1 and 2, preferably between 0.1 and 1.5 times the mass of sludge present in the biological treatment stage; and applying a dose of ozone of between 3 and 100 grams ozone per kilogram suspended matter (SM) treated, preferably between 4 and 10 grams of ozone per kilo of suspended matter (SM) treated.

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