

Title (en)

METHOD AND DEVICE FOR BIOLOGICAL TREATMENT OF EFFLUENTS WITH HIGH AMMONIUM CONTENT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEHANDLUNG VON DURCH AMMONIUM SCHWER BELASTETES ABWASSER

Title (fr)

PROCEDE ET DISPOSITIF POUR LE TRAITEMENT BIOLOGIQUE D EFFLUENTS FORTEMENT CHARGES EN AMMONIUM

Publication

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Application

**EP 02799105 A 20021219**

Priority

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Abstract (en)

[origin: WO03053867A1] The invention concerns a method for biological treatment of effluents containing ammonium characterized in that it comprises a step which consists in passing said effluent through a reactor (1) containing a biomass at least partly fixed on a support (3) having a high specific surface not less than 500 m<sup>2</sup>/m<sup>3</sup>, said biomass being capable of degrading the ammonium contained in the effluent to a molecular gaseous nitrogen phase, said step being carried out under continuous moderate aeration, without stirring and without or with very little external input of biodegradable carbon and with a minimum of alkali reagents.

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