

Title (en)

BACTERIAL COMPOSITION, METHOD AND INSTALLATION FOR PRE-TREATING EFFLUENTS LOADED WITH ORGANIC FATTY SUBSTANCES

Title (de)

BAKTERIELLE ZUSAMMENSETZUNG, VERFAHREN UND ANLAGE ZUR VORBEHANDLUNG VON ABWASSER MIT FETTHALTIGEN ORGANISCHEN STOFFEN

Title (fr)

COMPOSITION BACTERIENNE, PROCEDE ET INSTALLATION POUR LE PRE-TRAITEMENT DES EFFLUENTS CHARGES EN MATIERES GRASSES ORGANIQUES

Publication

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Application

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Abstract (en)

[origin: WO0210078A1] The invention concerns a bacterial composition, a method and an installation for pre-treating effluents loaded with organic fatty substances of animal or vegetable origin. The bacterial composition comprises mainly the bacterial strain of *Klebsiella Oxytoca*. The inventive method consists in: supplying a homogenising and/or conditioning tank (1) with effluents to be pre-treated, as they are being produced; activating a recycling circuit (2) between the latter and a biological reactor (3) to obtain a dilution rate of the fatty substances ranging between 0.400 h<sup>-1</sup> and 1500 h<sup>-1</sup> for an initial concentration in fatty substances of 1 g/l; in decomposing said fatty substances in said biological reactor (3) with said bacterial composition and in evacuating the pre-treated effluents towards a final treatment unit such as a purifying station.

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