

Title (en)

METHOD FOR PURIFYING WASTE WATER AND CORRESPONDING WASTE WATER PURIFICATION INSTALLATION

Title (de)

VERFAHREN ZUM KLÄREN VON ABWASSER UND ENTSPRECHENDE ABWASSER-KLÄRANLAGE

Title (fr)

PROCEDE DE PURIFICATION DES EAUX USEES AVEC PRODUCTION DE BOUE EN EXCEDENT ET INSTALLATION DE PURIFICATION DES EAUX USEES CORRESPONDANTE

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Application

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Abstract (en)

[origin: WO2004050566A2] The invention relates to a method for purifying waste water, one stage of said purification method involving the aerobic treatment of waste water with micro-organisms, forming excess mud. The inventive method is characterised in that: (a) at least part of the excess mud (18) is supplied to a jet collision reactor (20) and is discharged from the same by means of a gas flow (28), as a homogenised, solubilised substrate; and (b) at least one large part of the substrate is either recirculated for the aerobic treatment of the waste water, or is supplied to a high-performance anaerobic reactor (40) for producing biogas, or part of the substrate is recirculated for the aerobic treatment and part is supplied to the high-performance anaerobic reactor (40) for producing biogas.

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