

Title (en)

METHOD FOR BIOLOGICALLY TREATING EFFLUENTS PRODUCING LITTLE OR NO EXCESS SLUDGE INCLUDING A TREATING STEP BY FIXED FILM BIOMASS

Title (de)

BIOLOGISCHES ABWASSERREINIGUNGSVERFAHREN OHNE ÜBERSCHUSSBELEBTSCHLAMMPRODUKTION UNTER VERWENDUNG EINES BEHANDLUNGSSCHRITTES MIT SESSILER BIOMASSE

Title (fr)

PROCEDE DE TRAITEMENT BIOLOGIQUE D'EFFLUENTS NE PRODUISANT PAS OU PEU DE BOUES EN EXCES INCLUANT UNE ETAPE DE TRAITEMENT PAR BIOMASSE FIXEE

Publication

EP 1056689 A1 20001206 (FR)

Application

EP 99903772 A 19990216

Priority

- FR 9900349 W 19990216
- FR 9802043 A 19980216
- FR 9802935 A 19980305

Abstract (en)

[origin: WO9941205A1] The invention concerns a method for treating an effluent in order to purify it comprising at least one step of biological treatment (1) leading to the production of biological sludge. The invention is characterised in that at least part of the biomass used during said biological treatment step is fixed on a support and it comprises at least a step (2) which consists in subjecting at least one part of said sludge derived from said biological treatment step a conditioning aiming at improving its biodegradability and a step (3) consisting in re-routing the resulting conditioned sludge towards said biological treatment step.

IPC 1-7

C02F 3/12; C02F 3/30; C02F 1/36; C02F 1/78; C02F 1/02; C02F 3/06

IPC 8 full level

C02F 1/02 (2006.01); **C02F 1/36** (2006.01); **C02F 3/06** (2006.01); **C02F 3/12** (2006.01); **C02F 3/30** (2006.01); **C02F 1/78** (2006.01)

CPC (source: EP)

C02F 1/025 (2013.01); **C02F 1/36** (2013.01); **C02F 3/06** (2013.01); **C02F 3/085** (2013.01); **C02F 3/12** (2013.01); **C02F 3/1221** (2013.01); **C02F 3/302** (2013.01); **C02F 1/78** (2013.01); **Y02W 10/10** (2015.05)

Citation (search report)

See references of WO 9941205A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9941205 A1 19990819; AU 2430499 A 19990830; EP 1056689 A1 20001206; FR 2781785 A1 20000204; FR 2781785 B1 20000929

DOCDB simple family (application)

FR 9900349 W 19990216; AU 2430499 A 19990216; EP 99903772 A 19990216; FR 9802935 A 19980305