

Title (en)
METHOD AND DEVICE FOR REDUCING PRODUCTION OF WASTEWATER TREATMENT STATION SLUDGE WITH FIXED BIOLOGICAL CULTURES

Title (de)
VERFAHREN UND VORRICHTUNG ZUR VERMINDERUNG DER SCHLAMMHETERTELLUNG VON ABWASSERBEHANDLUNGSANLAGENMITTELS GEBUNDENER BIOLOGISCHER ZÜCHTUNGEN

Title (fr)
PROCEDE ET DISPOSITIF DE REDUCTION DE LA PRODUCTION DE BOUES DES STATIONS DE TRAITEMENT D'EAUX RESIDUAIRES PAR CULTURES BIOLOGIQUES FIXEES.

Publication
EP 1542931 A1 20050622 (FR)

Application
EP 03772377 A 20030924

Priority
• FR 0302806 W 20030924
• FR 0211860 A 20020925
• FR 0215384 A 20021205

Abstract (en)
[origin: FR2844785A1] Reducing sludge production in municipal or industrial wastewater treatment plants of the fixed biomass type comprises a thermophilic enzymatic degradation or ozone partial oxidation step in which bacterial cells are lysed to produce organic matter for providing the substrate for the bacteria in an activated sludge treatment step. An Independent claim is also included for apparatus for carrying out the above process, comprising a thermophilic enzymatic degradation reactor (3) and a low-, medium- or heavy-duty biological treatment reactor (8).

IPC 1-7
C02F 3/06

IPC 8 full level
C02F 3/06 (2006.01); **C02F 3/12** (2006.01); **C02F 1/78** (2006.01)

CPC (source: EP US)
C02F 3/06 (2013.01 - EP US); **C02F 3/1221** (2013.01 - EP US); **C02F 1/78** (2013.01 - EP US); **Y02W 10/10** (2015.05 - EP US)

Citation (search report)
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DOCDB simple family (publication)
FR 2844785 A1 20040326; FR 2844785 B1 20050708; AU 2003279431 A1 20040419; DE 03772377 T1 20050929; EP 1542931 A1 20050622; ES 2239932 T1 20051016; TR 200502227 T3 20050822; US 2006000770 A1 20060105; US 7357870 B2 20080415; WO 2004028979 A1 20040408

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