

Title (en)

SEQUENTIAL PROCESS FOR BIOLOGICALLY TREATING WATER IMPLEMENTING BIOMASS GRANULES

Title (de)

SEQUENZIELLE VERFAHREN ZUR BIOLOGISCHEN BEHANDLUNG VON WASSER MITTELS BIOMASSEGRANULAT

Title (fr)

PROCEDE SEQUENCE DE TRAITEMENT BIOLOGIQUE D'EAU METTANT EN OEUVRE DES GRANULES DE BIOMASSE

Publication

EP 2723692 A1 20140430 (FR)

Application

EP 12727882 A 20120619

Priority

- FR 1155482 A 20110622
- EP 2012061694 W 20120619

Abstract (en)

[origin: WO2012175489A1] The invention relates to a process for treating wastewater containing organic matter within a reactor accommodating biomass granules and provided with aeration means. According to the invention, such a process includes a plurality of consecutive cycles, each of which include: an anaerobic step of feeding wastewater into said reactor, during which said water is mixed with said granules so as to form a fluidized bed; an anaerobic step of stirring the contents of said reactor; a step of aerating the contents of said reactor; a settling step; and a step of discharging treated water free of organic matter.

IPC 8 full level

C02F 3/30 (2006.01); **C02F 3/12** (2006.01)

CPC (source: EP US)

C02F 3/1263 (2013.01 - EP US); **C02F 3/301** (2013.01 - EP US); **C02F 3/308** (2013.01 - EP US); **Y02W 10/10** (2015.05 - EP US)

Citation (search report)

See references of WO 2012175489A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

FR 2976937 A1 20121228; **FR 2976937 B1 20130705**; AU 2012274193 A1 20140206; BR 112013032892 A2 20170124; CA 2837884 A1 20121227; CN 103619762 A 20140305; CO 6930342 A2 20140428; EP 2723692 A1 20140430; MX 2013015425 A 20140331; NZ 620067 A 20150529; US 2014224729 A1 20140814; WO 2012175489 A1 20121227

DOCDB simple family (application)

FR 1155482 A 20110622; AU 2012274193 A 20120619; BR 112013032892 A 20120619; CA 2837884 A 20120619; CN 201280030325 A 20120619; CO 13299047 A 20131223; EP 12727882 A 20120619; EP 2012061694 W 20120619; MX 2013015425 A 20120619; NZ 62006712 A 20120619; US 201214127992 A 20120619