

Title (en)
INSTALLATION AND METHOD FOR THE TREATMENT OF SEWAGE SLUDGE, AND MEMBRANE UNIT

Title (de)
ANLAGE UND VERFAHREN ZUR FÄKALSCHLAMMBEHANDLUNG UND MEMBRANEINHEIT

Title (fr)
INSTALLATION ET PROCEDE DE TRAITEMENT DE MATIERES FECALES ET UNITE MEMBRANE

Publication
EP 1723084 A2 20061122 (DE)

Application
EP 05707804 A 20050119

Priority
• EP 2005050223 W 20050119
• DE 102004009886 A 20040226
• DE 202004006010 U 20040416

Abstract (en)
[origin: WO2005082796A2] Disclosed is an installation for treating sewage sludge, which comprises a sewage reception station (1) and in which a device (6) for separating sludge and filtrate is arranged. A membrane unit for treating waste water is provided with a membrane module (106) and a flushing box (105) that is located below said membrane module (106) and encompasses an air inlet via which purging air can be blown into the membrane module (106). The membrane module (106) comprises a waste water inlet and a sludge and permeate outlet. A sieve (108,110) is disposed between the flushing box (105) and the membrane module (106) in order to distribute the purging air to the entire membrane module (106) and/or at the waste water inlet into the membrane module (106) so as to retain large size suspended matter. The invention further relates to an installation for treating waste water by means of a membrane unit (103) and a method for operating such an installation. According to said method, operation of the permeate pump (123) is controlled in accordance with the water level in the receptacle, the permeate pump (123) being turned on or off and being operated at variable conveying quantities, and/or an additional permeate pump being activated.

IPC 8 full level
C02F 11/12 (2006.01); **B01D 61/14** (2006.01); **B01D 61/16** (2006.01); **B01D 61/18** (2006.01); **B01D 61/22** (2006.01); **B01D 65/08** (2006.01); **C02F 1/00** (2006.01); **C02F 1/44** (2006.01); **C02F 3/12** (2006.01)

CPC (source: EP US)
B01D 61/145 (2013.01 - EP US); **B01D 61/16** (2013.01 - EP US); **B01D 61/18** (2013.01 - EP US); **B01D 61/22** (2013.01 - EP US); **B01D 65/08** (2013.01 - EP US); **C02F 1/004** (2013.01 - EP US); **C02F 1/444** (2013.01 - EP US); **C02F 3/1273** (2013.01 - EP US); **C02F 11/121** (2013.01 - EP US); **B01D 2311/04** (2013.01 - EP US); **B01D 2315/06** (2013.01 - EP US); **B01D 2321/185** (2013.01 - EP US); **Y02W 10/10** (2015.05 - EP US)

Citation (search report)
See references of WO 2005082796A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005082796 A2 20050909; **WO 2005082796 A3 20051110**; CA 2594799 A1 20050909; EP 1723084 A2 20061122; JP 2007526115 A 20070913; US 2007170106 A1 20070726

DOCDB simple family (application)
EP 2005050223 W 20050119; CA 2594799 A 20050119; EP 05707804 A 20050119; JP 2007500198 A 20050119; US 59059705 A 20050119