

Title (en)  
METHOD AND INSTALLATION FOR THE THERMAL HYDROLYSIS OF SLUDGE

Title (de)  
VERFAHREN UND ANLAGE ZUR THERMISCHEN HYDROLYSE VON SCHLÄMMEN

Title (fr)  
PROCEDE ET INSTALLATION POUR L'HYDROLYSE THERMIQUE DES BOUES

Publication  
**EP 2847137 A1 20150318 (FR)**

Application  
**EP 13722345 A 20130502**

Priority  
• FR 1254303 A 20120510  
• EP 2013059179 W 20130502

Abstract (en)  
[origin: WO2013167469A1] The invention concerns a method for the thermal hydrolysis of sludge for treatment, said method being carried out in at least two reactors operating in parallel, in each of which the sludge undergoes a complete thermal hydrolysis cycle, said cycle comprising the steps consisting of supplying said sludge for treatment into said reactor, injecting live steam to bring said sludge to a pressure P and to a temperature T allowing hydrolysis to take place, keeping said sludge at said pressure P and at said temperature T for a certain time, suddenly returning said sludge to atmospheric pressure by releasing flash vapour, and emptying said sludge hydrolysed in this way from said reactor, said cycle being offset in time from one reactor to the other so as to use the flash vapour produced in one reactor for injection into the other reactor. According to the invention, such a method comprises a step consisting of extracting a portion of the sludge present in each of the reactors and reintroducing it into the corresponding reactor.

IPC 8 full level  
**C02F 1/02** (2006.01); **C02F 11/18** (2006.01)

CPC (source: CN EP US)  
**C02F 1/025** (2013.01 - CN EP US); **C02F 11/18** (2013.01 - CN EP US); **C02F 11/185** (2013.01 - CN EP US); **C02F 2101/30** (2013.01 - CN US); **C02F 2103/34** (2013.01 - CN US); **C02F 2201/005** (2013.01 - CN EP US); **C02F 2209/02** (2013.01 - CN EP US); **C02F 2209/03** (2013.01 - CN EP US); **C02F 2301/046** (2013.01 - CN EP US); **C02F 2301/063** (2013.01 - CN US); **C02F 2303/04** (2013.01 - CN US); **C02F 2303/10** (2013.01 - CN EP US); **Y02W 10/30** (2015.05 - EP US)

Citation (search report)  
See references of WO 2013167469A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2013167469 A1 20131114**; CA 2871854 A1 20131114; CN 104271517 A 20150107; EP 2847137 A1 20150318; FR 2990429 A1 20131115; FR 2990429 B1 20140613; HK 1208020 A1 20160219; US 2015122746 A1 20150507

DOCDB simple family (application)  
**EP 2013059179 W 20130502**; CA 2871854 A 20130502; CN 201380024390 A 20130502; EP 13722345 A 20130502; FR 1254303 A 20120510; HK 15108716 A 20150908; US 201314400300 A 20130502