

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

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Application
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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.

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