

Title (en)

METHOD FOR TREATING POSSIBLY CONTAMINATED BIOLOGICAL MATERIAL PRIOR TO A PYROLYSIS PROCESS

Title (de)

VERFAHREN ZUR BEHANDLUNG VON MÖGLICHERWEISE KONTAMINIERTEM BIOLOGISCHEM MATERIAL VOR EINEM PYROLYSEVERFAHREN

Title (fr)

PROCEDE DE TRAITEMENT D'UNE MATIERE BIOLOGIQUE EVENTUELLEMENT CONTAMINEE AVANT UN PROCEDE DE PYROLYSE

Publication

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Application

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Abstract (en)

[origin: WO02079345A1] The present invention concerns a method for treating possibly contaminated biological material prior to a pyrolysis process (11), comprising removing of free water in a preheating step (1) at a temperature < 100 DEG C and then all bound water in a heating step (6) at a temperature from about 100 DEG C to about 200 DEG C. The invention is characterized in that all water vapour formed is condensed, received condensed water is subjected to electro flotation (3, 8), whereby formed flock is separated from the water and returned to said preheating step (1) and the water thus received is further led through an activated carbon filter (5, 10) in order to receive absolutely clean water (W1, W2). The used activated carbon is returned to the preheating stage (1), and the remaining, absolutely dry biological material from the heating stage (6) is subjected to a pyrolysis process (11) in absence of oxygen at a temperature of above 700 DEG C.

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