

Title (en)

Process for drying pasty material preferably in the form of pellets, especially sewage sludge and apparatus for carrying out this process

Title (de)

Verfahren zum Trocknen von vorzugsweise in pelletierter Form vorliegenden pastösen Material, insbesondere Klärschlamm und Vorrichtung zur Durchführung des Verfahrens.

Title (fr)

Procédé pour sécher du matériau pâteux de préférence sous forme de pellets, notamment des boues de curage et dispositif pour la mise en oeuvre de ce procédé

Publication

EP 0593887 B1 19970312 (DE)

Application

EP 93114137 A 19930903

Priority

DE 4235422 A 19921021

Abstract (en)

[origin: EP0593887A1] The object is to remove the water from a pasty material, in particular sewage sludge, which contains solids, water and additives, down to a remaining residual moisture of about 5% by weight at a process gas temperature which is far below the mobilisation temperature of the additives, in addition to remove the moisture from the process gas, avoiding production of condensate in the form of polluted water, and to exclude pollution of the atmosphere with pollutant-containing plant air having a high degree of odour pollution. The solution is a drying process, according to which a process gas stream, enriched with moisture, is conducted within a first process circulation from a dryer to a gas dehumidifier, the process gas is dried by removal of moisture in the gas dehumidifier and the dried process gas is returned to the dryer, and, within a second process circulation, the moisture bound in the gas dehumidifier is removed. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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Cited by

EP2940414A1; DE10058191A1; US6101739A; EP0901808A3; DE10005165A1; DE10005165B4; CN109668413A; US6638452B2; WO2015165585A1; EP2940414B1

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