

Title (en)

METHOD AND SYSTEM FOR TREATING SWINE MANURE

Title (de)

VERFAHREN UND SYSTEM ZUR BEHANDLUNG VON SCHWEINEGÜLLE

Title (fr)

PROCEDE ET SYSTEME DE TRAITEMENT DE FUMIER DE PORC

Publication

EP 1583602 A1 20051012 (EN)

Application

EP 00930914 A 20000519

Priority

CA 0000598 W 20000519

Abstract (en)

[origin: WO0187467A1] A method for treating swine manure comprising mechanically dewatering the manure through a tangential screen having an average pore size between about 200 and 500 microns to obtain a filtrate and a sludge, filtering the filtrate through at least one ultrafiltration membrane to obtain an ultrafiltration permeate and an ultrafiltration concentrate; and filtering the ultrafiltration permeate consecutively through at least one first reverse osmosis membrane and through at least one second reverse osmosis membrane wherein the at least one first reverse osmosis membrane is able to withstand a pressure of between 500 and 1000 psi to obtain a final permeate and a final concentrate whereby the final permeate may safely be returned to the environment. The present invention also provides a system for treating manure comprising the elements of operating the method. The present method and system for treating manure do not require chemical additives during the operation mode.

IPC 1-7

B01D 61/16; **C02F 1/44**

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP)

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Citation (search report)

See references of WO 0187467A1

Citation (examination)

EP 0278745 A2 19880817 - VERTECH TREATMENT SYSTEMS INC [US]

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