

Title (en)

A PURIFICATION SYSTEM WITH FILTER FOR SEPARATION OF ACTIVATED SLUDGE AND TREATED WATER IN A PROCESS TANK.

Title (de)

REINIGUNGSSYSTEM MIT FILTER ZUR TRENNUNG VON AKTIVSCHLAMM UND BEHANDELTEM WASSERIN EINEM VERFAHRENSTANK.

Title (fr)

SYSTEME D'EPURATION A FILTRE DE SEPARATION DES BOUES ACTIVEES ET DE L'EAU TRAITEE DANS UN RESERVOIR DE TRAITEMENT.

Publication

EP 0669899 A1 19950906 (EN)

Application

EP 94900767 A 19931103

Priority

- DK 9300358 W 19931103
- DK 139092 A 19921119

Abstract (en)

[origin: WO9411311A1] A purification system with filter for separation of activated sludge and treated water in a process tank. The separation of activated sludge and treated water takes place by filtration in the process tank itself. A hydraulic pressure forces the treated water through the filter units. The activated sludge in the process tank is moved horizontal whereby the suspension flows along the filter units. By this mechanism the filters are partly cleaned. Cleaning of the filters are made further effective by: (1) increasing the velocity of flow by decreasing the cross section of the flow, (2) making the surface of the filter smooth preventing growth of organisms on the filters, (3) return-washing of the filters by water or by air or both water and air, (4) brushing and/or pressure washing of the outer surface of the filters.

IPC 1-7

C02F 3/12

IPC 8 full level

B01D 29/39 (2006.01); **C02F 3/12** (2006.01)

CPC (source: EP)

B01D 29/39 (2013.01); **B01D 29/885** (2013.01); **B01D 29/945** (2013.01); **C02F 3/1257** (2013.01); **Y02W 10/10** (2015.05)

Citation (search report)

See references of WO 9411311A1

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

WO 9411311 A1 19940526; AU 5560494 A 19940608; DK 139092 A 19940520; DK 139092 D0 19921119; DK 169719 B1 19950123; EP 0669899 A1 19950906

DOCDB simple family (application)

DK 9300358 W 19931103; AU 5560494 A 19931103; DK 139092 A 19921119; EP 94900767 A 19931103