

Title (en)
SLUDGE DEWATERING CONTROL SYSTEM

Title (de)
KONTROLSYSTEM ZUR SCHLAMMENTWÄSSERUNG

Title (fr)
PROCEDE DE CONTROLE DE LA DESHYDRATATION D'UNE BOUE

Publication
EP 0946435 A4 20000126 (EN)

Application
EP 97909064 A 19971029

Priority
• AU 9700723 W 19971029
• AU PO328596 A 19961029

Abstract (en)
[origin: WO9818730A1] A sludge dewatering control system (10) which relies on a determination of sludge structure after addition of an additive as a predictor of dewaterability of said sludge by dewatering means. The system (10) relies on a method of control of dewatering of sludge, the method comprising obtaining a relationship (25) between particle structure and cake solids content of the sludge (15), continuously monitoring the particle structure of the sludge so as to provide a continuous determination of the cake solids content of the sludge and adding an additive to the sludge as a function of the cake solids content so as to control the dewatering characteristics of the sludge (15). Sludge structure is determined by reference to fractal dimension of the particles making up the sludge.

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C02F 11/14

IPC 8 full level
C02F 11/14 (2006.01); **G01N 15/02** (2006.01)

CPC (source: EP KR)
C02F 11/14 (2013.01 - KR); **C02F 11/147** (2018.12 - EP); **G01N 15/0205** (2013.01 - EP KR)

Citation (search report)
• [XY] US 5037559 A 19910806 - SCHMITT WAELTI [DE]
• [X] DE 4442418 A1 19960530 - KNAUER JOACHIM FRIEDRICH [DE]
• [X] US 5366622 A 19941122 - GEYER STEPHAN [DE]
• [Y] US 4752131 A 19880621 - EISENLAUER JOSEF [DE], et al
• See references of WO 9818730A1

Cited by
CN108693775A

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9818730 A1 19980507; AU PO328596 A0 19961121; CA 2270207 A1 19980507; EP 0946435 A1 19991006; EP 0946435 A4 20000126; JP 2001502601 A 20010227; KR 20000052923 A 20000825; NO 992070 D0 19990429; NO 992070 L 19990611

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