

Title (en)
DEVICE FOR DEWATERING AND DRYING SUSPENSIONS

Title (de)
VORRICHTUNG ZUM ENTWÄSSERN UND TROCKNEN VON SUSPENSIONEN

Title (fr)
DISPOSITIF POUR DESHYDRATER ET SECHER DES SUSPENSIONS

Publication
EP 0916065 A1 19990519 (DE)

Application
EP 97915449 A 19970327

Priority
• DE 19631605 A 19960805
• EP 9701570 W 19970327

Abstract (en)
[origin: EP0979984A2] Sludge dewatering and drying assembly comprises: (1) a helical centrifuge in which the sludge is mechanically dewatered to form a sticky mass with a high residual water content, (2) a drying assembly into which the particles are ejected and exposed to vigorous agitation in hot gases resulting in the formation of smaller particles which form a dry particulate bulk solid. The dispersed particles are pre-dried by hot gases before they come into contact with the walls which are kept free of encrustation by baffles and blades generating turbulent gas flow.

IPC 1-7
F26B 5/08; **F26B 17/24**

IPC 8 full level
F26B 17/32 (2006.01); **B04B 1/20** (2006.01); **B04B 15/12** (2006.01); **F26B 3/12** (2006.01); **F26B 5/08** (2006.01); **F26B 7/00** (2006.01); **F26B 17/10** (2006.01); **F26B 17/24** (2006.01)

CPC (source: EP US)
B04B 1/20 (2013.01 - EP US); **B04B 15/12** (2013.01 - EP US); **F26B 3/12** (2013.01 - EP US); **F26B 5/08** (2013.01 - EP US); **F26B 7/00** (2013.01 - EP US); **F26B 17/107** (2013.01 - EP US); **F26B 17/24** (2013.01 - EP US)

Citation (search report)
See references of WO 9805912A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)
EP 0979984 A2 20000216; **EP 0979984 A3 20010919**; AT E204638 T1 20010915; CA 2262705 A1 19980212; DE 19631605 C1 19971002; DE 59704388 D1 20010927; EP 0916065 A1 19990519; EP 0916065 B1 20010822; ES 2163751 T3 20020201; JP 2000507693 A 20000620; JP 3215439 B2 20011009; US 6618956 B1 20030916; WO 9805912 A1 19980212

DOCDB simple family (application)
EP 99121798 A 19970327; AT 97915449 T 19970327; CA 2262705 A 19970327; DE 19631605 A 19960805; DE 59704388 T 19970327; EP 9701570 W 19970327; EP 97915449 A 19970327; ES 97915449 T 19970327; JP 50749798 A 19970327; US 24203802 D 20020123