Title (en)

METHOD AND DEVICE FOR SEPARATING SOLID MATERIAL FROM WATER

Title (de)

VORRICHTUNG ZUM ABSCHEIDEN VON FESTSTOFFEN AUS WASSER

Title (fr)

PROCEDE ET DISPOSITIF POUR LA SEPARATION DE MATIERE SOLIDE DE L'EAU

Publication

EP 0975402 A1 20000202 (EN)

Application

EP 98911289 A 19980401

Priority

- NL 9800179 W 19980401
- NL 1005685 A 19970401

Abstract (en)

[origin: WO9855194A1] The invention relates to a method for separating solid material from water, comprising providing an enclosed space, supplying an air flow into the space, generating a strong vortex in the air flow, feeding a mixture of water and solid material in dosed manner into the air flow, causing the water to evaporate out of the mixture in the air flow and discharging the solid material and the air from the space, wherein the air flow in the space is guided in one principal direction from the feed to the discharge. The invention further relates to a device for performing this method. The device comprises a conical chamber, an air supply conduit debouching into the chamber tangentially at a large diameter thereof and an elongate channel which connects onto a small diameter of the chamber and which is provided with an air discharge connection on an opposite end, wherein the channel extends away from the chamber.

IPC 1-7

B01D 1/14; F26B 17/10

IPC 8 full level

B01D 1/14 (2006.01); **F26B 17/10** (2006.01)

CPC (source: EP)

B01D 1/14 (2013.01); **F26B 17/107** (2013.01)

Citation (search report)

See references of WO 9855194A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

NL 1005685 C2 19981014; AU 6527398 A 19981221; EP 0975402 A1 20000202; PL 335936 A1 20000522; WO 9855194 A1 19981210

DOCDB simple family (application)

NL 1005685 A 19970401; AU 6527398 A 19980401; EP 98911289 A 19980401; NL 9800179 W 19980401; PL 33593698 A 19980401