

Title (en)
Centrifugal dehydrator

Title (de)
Zentrifugaldehydrator

Title (fr)
Déshydrateur centrifuge

Publication
EP 2092983 B1 20160427 (EN)

Application
EP 09002186 A 20090217

Priority
JP 2008040197 A 20080221

Abstract (en)
[origin: EP2092983A1] A centrifugal dehydrator for removing moisture from sludge (30) which includes: a hollow shaft (2) having a cavity in which sludge (30) can flow and a discharge port (7c) for discharge of sludge from the cavity; a support means (3, 5) which supports the hollow shaft rotatably; a discharge means (7a) which is provided on the hollow shaft's outer periphery and can convey sludge in an axial direction; and a drum (10) which is located axially in a more outer position than the discharge means (7a) and almost coaxial with the hollow shaft (2) and can rotate at a rotation speed different from the hollow shaft's rotation speed. The drum (10) has a filter (9a) and many blades (10a) spaced at intervals on the filter's outside diameter side in its circumferential direction.

IPC 8 full level
B04B 3/04 (2006.01)

CPC (source: EP)
B04B 3/04 (2013.01)

Cited by
CN104399599A; CN108409098A; CN112221235A; CN108726843A; US10882058B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 2092983 A1 20090826; EP 2092983 B1 20160427; JP 2009195829 A 20090903; JP 4924466 B2 20120425

DOCDB simple family (application)
EP 09002186 A 20090217; JP 2008040197 A 20080221