

Title (en)

Process and apparatus for continuous drying of material, especially sewage sludge.

Title (de)

Verfahren und Vorrichtung zum kontinuierlichen Trocknen von Gut, insbesondere Klärschlamm

Title (fr)

Procédé et dispositif pour sécher en continu de matériaux, notamment de boues d'épuration

Publication

EP 1473533 A3 20080514 (DE)

Application

EP 04009190 A 20040419

Priority

AT 6602003 A 20030430

Abstract (en)

[origin: EP1473533A2] To supply material onto the sieve belt (2) a distribution screw (4) is arranged over the belt. A level sensor (6) is located near the belt, and a height-adjustable calibration roller (5) is mounted over it, rotating against the belt direction. Its rotary speed exceeds the belt velocity. The distribution screw is connected to a mixer (19) for recycled mixed material, especially the dried end product, but also fresh material, especially dilute sludge. The mixer is a plug- double-shaft-, or paddle mixer. The mixer is connected to a silo extraction screw supplying granules. A drying hood covers the belt and the distribution screw. The entire dryer casing or parts of it are in concrete construction. Supply lines (7) along both sides of the dryers have openings for drying gas and are connected by adjustable tie-bars. Below the belt, a distribution system of e.g. spray pipes condense or saturate the vapors. An independent claim is included for the corresponding method.

IPC 8 full level

F26B 17/04 (2006.01); **C02F 11/16** (2006.01); **F26B 1/00** (2006.01); **F26B 11/02** (2006.01); **F26B 19/00** (2006.01); **F26B 21/04** (2006.01); **F26B 25/00** (2006.01)

CPC (source: EP US)

F26B 1/00 (2013.01 - EP US); **F26B 17/04** (2013.01 - EP US); **F26B 21/04** (2013.01 - EP US); **F26B 25/002** (2013.01 - EP US); **F26B 25/005** (2013.01 - EP US); **F26B 2200/18** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (application)

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