

## 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)

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## Citation (search report)

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- [X] DE 9419080 U1 19950112 - BELLMER GMBH & CO KG GEB [DE]
- [Y] DE 4320170 A1 19941222 - BAT CIGARETTENFAB GMBH [DE]
- [A] US 4580698 A 19860408 - LADT MAX A [US], et al
- [Y] EP 0338626 A2 19891025 - PANNEVIS BV [NL]
- [Y] US 4245396 A 19810120 - MAFFET VERE
- [Y] DE 2804585 A1 19790809 - SCHENCK AG CARL

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## DOCDB simple family (application)

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