

Title (en)

Apparatus for the fast and continuous dehumidification of loose materials, particularly pellets for a plastic moulding plant

Title (de)

Vorrichtung zur schnelle und kontinuierliche Entfeuchtung von Schüttgut, insbesondere Granulat für eine Kunststoff-Formanlage.

Title (fr)

Dispositif pour la déshumidification rapide et continue de matières en vrac, notamment de granules pour une machine de moulage de matières plastiques

Publication

EP 1703239 A3 20111026 (EN)

Application

EP 06004205 A 20060302

Priority

IT TV20050041 A 20050315

Abstract (en)

[origin: EP1703239A2] Continuous apparatus (A) for the fast dehumidification of loose materials (M), particularly pellets for plastic moulding plants, consisting of: -a first vertical container (1) to contain the pellets to be processed; -a second container (2), orthogonal and in communication with said first for the processing of the pellets, with a fluidized bed and longitudinal auger (3), on which microwave generators (5,6) operate; -a circuit for the distribution of a dehumidified airflow at a controlled temperature inside said second container (2); -means for the aspiration of the airflow at a controlled temperature and enriched with humidity from inside said second container (2), for then said airflow to be dehumidified and reintroduced inside said second container (2); -sensor means (22,102,103) for the detection of the temperature and humidity percentage present in the pellets at least in said second container (2).

IPC 8 full level

F26B 3/092 (2006.01); **F26B 3/34** (2006.01); **F26B 3/347** (2006.01); **F26B 17/20** (2006.01); **F26B 21/06** (2006.01)

CPC (source: EP)

F26B 3/0923 (2013.01); **F26B 3/343** (2013.01); **F26B 3/347** (2013.01); **F26B 17/20** (2013.01)

Citation (search report)

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DOCDB simple family (application)

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