

Title (en)

A POWDERED MATERIAL FLOW CONTROL DEVICE TO FILL A BAG AND CORRESPONDING BAG FILLING MACHINE AND PROCESS

Title (de)

FLUSSSTEUERUNGSVORRICHTUNG FÜR PULVERFÖRMIGES MATERIAL ZUM FÜLLEN EINES BEUTELS UND ENTSPRECHENDE FÜLLMASCHINE UND FÜLLVERFAHREN FÜR BEUTEL

Title (fr)

DISPOSITIF DE COMMANDE DE DÉBIT DE MATÉRIAU EN POUDRE AFIN DE REMPLIR UN SAC ET PROCÉDÉ ET MACHINE DE REMPLISSAGE DE SAC CORRESPONDANT

Publication

EP 2772443 B1 20160817 (EN)

Application

EP 14154615 A 20140211

Priority

ES 201330173 A 20130211

Abstract (en)

[origin: EP2772443A1] A powdered material flow control device for filling a bag (100) comprising a first screw conveyor (2) for transporting the material. The device (1) also comprises a second screw conveyor (4) adjacent the first screw conveyor (2). Both screw conveyors (2, 4) are vertically arranged, and, inside a housing (6) defining an inlet port (8), a outlet port (10) for the material and a common inner chamber (12), The screw conveyors (2, 4) have dimensions such that the housing (6) is externally snugly adapted to the cross section of the bag (100), said first and second screw conveyors (2, 4) rotating at a synchronized speed. The invention also proposes a machine including the device, as well as a filling process that uses the device.

IPC 8 full level

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CPC (source: EP ES)

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Cited by

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