

Title (en)

DEVICE AND METHOD FOR DOSING PILL-SHAPED ELEMENTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM VEREINZELNDEN DOSIEREN VON FESTKÖRPERPORTIONEN

Title (fr)

DISPOSITIF DOSEUR ET MÉTHODE POUR DOSER DES ÉLÉMENTS EN FORME DE PILULES

Publication

EP 3016885 A1 20160511 (DE)

Application

EP 14738770 A 20140630

Priority

- DE 102013212910 A 20130702
- EP 2014063884 W 20140630

Abstract (en)

[origin: WO2015000861A1] The invention relates to a device 100 and method for the separate metering of solid-body portions F, for the safe and monitored discharge of solid-body portions F, in particular mini or micro tablets or globules. The device comprises at least two components, a dividing device 300 and a separating device 200 which can be rotated with respect to the dividing device 300. The separating device 200 has an inner region and, on the inner side thereof, at least one chamber 230 to receive a respective solid-body portion F, so that, during the rotation of the separating device 200 with respect to the dividing device 300, the at least one chamber 230 can be moved in a movement direction D and on a movement path B through the fill S. As a result, a respective solid-body portion F can be received in the at least one chamber 230. The dividing device 300 also has a separating unit 380, which extends parallel to a section of the movement path B of the at least one chamber 230 as far as an area above the fill S, such that the at least one chamber 230 on the path section can be closed by the separating unit 380. As a result, solid-body portions F contained therein are prevented from falling out. In the movement direction D, the path section is adjoined by a transfer path 390 for receiving a respective solid-body portion F falling out of the chambers 230 and for guiding the solid-body portion F received out of the interior.

IPC 8 full level

B65D 83/04 (2006.01)

CPC (source: EP US)

A61J 1/03 (2013.01 - US); **A61J 7/02** (2013.01 - US); **B65D 83/0409** (2013.01 - EP US)

Citation (search report)

See references of WO 2015000861A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102013212910 A1 20150108; **DE 102013212910 B4 20190321**; EP 3016885 A1 20160511; EP 3016885 B1 20171004; ES 2664570 T3 20180420; US 2016145031 A1 20160526; US 9815611 B2 20171114; WO 2015000861 A1 20150108

DOCDB simple family (application)

DE 102013212910 A 20130702; EP 14738770 A 20140630; EP 2014063884 W 20140630; ES 14738770 T 20140630; US 201414900983 A 20140630