

Title (en)

METHOD AND APPARATUS FOR FILLING PRODUCTS.

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ABFÜLLEN VON PRODUKTEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR REMPLIR DES PRODUITS.

Publication

EP 2523860 A1 20121121 (DE)

Application

EP 10809140 A 20101228

Priority

- DE 102010005033 A 20100115
- DE 2010001529 W 20101228

Abstract (en)

[origin: WO2011085709A1] The method and the device are used for filling products. A flow of the product is controlled by an adjusting element (3) by virtue of the fact that the size of a cross-sectional area of an opening region (8) for the flow is changed by the adjusting element. The adjusting element (3) changes the size of the cross-sectional area such that at least in one operating state in which the size of the cross-sectional area is at most half of a maximal cross-sectional area, the shape of the cross-sectional area is adjusted in such a manner that an internal width (14) of the cross-sectional area is at least 20% of a length (13) of the cross-sectional area.

IPC 8 full level

B65B 37/20 (2006.01); **B65B 39/00** (2006.01)

CPC (source: EP)

B65B 37/20 (2013.01); **B65B 39/004** (2013.01)

Citation (search report)

See references of WO 2011085709A1

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

DOCDB simple family (publication)

WO 2011085709 A1 20110721; BR 112012017523 A2 20200714; CN 102791583 A 20121121; CN 102791583 B 20140903; DE 102010005033 A1 20110721; EP 2523860 A1 20121121; EP 2523860 B1 20150701; ES 2545499 T3 20150911; PL 2523860 T3 20151231

DOCDB simple family (application)

DE 2010001529 W 20101228; BR 112012017523 A 20101228; CN 201080061538 A 20101228; DE 102010005033 A 20100115; EP 10809140 A 20101228; ES 10809140 T 20101228; PL 10809140 T 20101228