

Title (en)

Apparatus for dosing a filling product into a container to be filled

Title (de)

Vorrichtung zum Dosieren eines Füllprodukts in einen zu befüllenden Behälter

Title (fr)

Dispositif pour remplir un produit dans un récipient à remplir

Publication

EP 2848579 B1 20181031 (DE)

Application

EP 14184378 A 20140911

Priority

DE 102013109964 A 20130911

Abstract (en)

[origin: CN204433102U] The utility model relates to a device for injecting a filling product into a container to be filled in a metering mode. The device comprises a piston distributing unit (2). The piston distributing unit is provided with a metering piston (22) moving in a metering air cylinder (20), the metering piston (22) is used for injecting the filling product with the preset volume into the container to be filled in the metering mode, the piston distributing unit is further provided with a suction valve (3) and an exhaust valve (4) which are alternately controlled through control over the fluid impact, and therefore suction and exhaust of the filling product are achieved. An emptying device (5) is arranged, and the suction valve (3) and the exhaust valve (4) can be opened at the same time through the emptying device.

IPC 8 full level

B67C 3/20 (2006.01); **B65B 3/12** (2006.01); **B65B 3/32** (2006.01)

CPC (source: EP)

B65B 3/12 (2013.01); **B65B 3/323** (2013.01); **B67C 3/206** (2013.01); **B65B 2210/06** (2013.01)

Cited by

US2018354770A1; CN110709325A; US2018354767A1; US11203513B2; US11975348B2; US11634310B2; US11970821B2

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)

EP 2848579 A1 20150318; **EP 2848579 B1 20181031**; CN 204433102 U 20150701; DE 102013109964 A1 20150312; SI 2848579 T1 20190131

DOCDB simple family (application)

EP 14184378 A 20140911; CN 201420519858 U 20140911; DE 102013109964 A 20130911; SI 201430971 T 20140911