

Title (en)

DOSING DEVICE AND METHOD FOR FILLING A CAVITY

Title (de)

DOSIERUNGSVORRICHTUNG UND VERFAHREN ZUM BEFÜLLEN EINES HOHLRAUMS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DOSAGE

Publication

EP 2313750 A4 20130109 (EN)

Application

EP 09806924 A 20090813

Priority

- SE 2009050933 W 20090813
- US 8875608 P 20080814

Abstract (en)

[origin: WO2010019102A1] The present invention relates to a dosing device (1) comprising a powder hopper (2) and a plate (11) with a surface (3), wherein said plate (11) is provided with at least one cavity (5) adapted for receiving a particulate material, and filling means (6) being movable along said surface (3) for moving particulate material into said at least one cavity (5), wherein said filling means (6) is adapted to exert a compressing force on said particulate material in a direction towards said surface (3) so that said particulate material is forced into said at least one cavity (5). The present invention also relates to a method for filling a cavity provided in a plate of a dosing device with a quantity of particulate material.

IPC 8 full level

B65B 1/36 (2006.01); **B65B 1/24** (2006.01); **B65B 37/20** (2006.01); **G01F 11/10** (2006.01); **G01F 11/40** (2006.01); **G01F 11/46** (2006.01)

CPC (source: EP US)

B65B 1/363 (2013.01 - EP US); **B65B 37/20** (2013.01 - EP US); **G01F 11/40** (2013.01 - EP US); **G01F 11/46** (2013.01 - EP US);
B65B 1/24 (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2010019102A1

Citation (examination)

JP H0336393 U 19910409

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010019102 A1 20100218; AU 2009282524 A1 20100218; AU 2009282524 B2 20120802; BR PI0917827 A2 20170620;
CA 2732166 A1 20100218; CN 102124308 A 20110713; CN 102124308 B 20121226; EP 2313750 A1 20110427; EP 2313750 A4 20130109;
JP 2011530463 A 20111222; JP 5468074 B2 20140409; KR 20110044999 A 20110503; MX 2011001452 A 20110329; NZ 590618 A 20121026;
RU 2011103227 A 20120920; RU 2521136 C2 20140627; US 2012048422 A1 20120301

DOCDB simple family (application)

SE 2009050933 W 20090813; AU 2009282524 A 20090813; BR PI0917827 A 20090813; CA 2732166 A 20090813;
CN 200980131554 A 20090813; EP 09806924 A 20090813; JP 2011522939 A 20090813; KR 20117003213 A 20090813;
MX 2011001452 A 20090813; NZ 59061809 A 20090813; RU 2011103227 A 20090813; US 200913058580 A 20090813