

Title (en)

FILLING DEVICE AND USE THEREOF FOR FILLING A FLUID

Title (de)

ABFÜLLVORRICHTUNG UND DEREN VERWENDUNG ZUR ABFÜLLUNG EINES FLUIDS

Title (fr)

DISPOSITIF DE TRANSVASEMENT ET SON UTILISATION POUR LE TRANSVASEMENT D'UN FLUIDE

Publication

**EP 3083408 A1 20161026 (DE)**

Application

**EP 14812712 A 20141205**

Priority

- DE 102013020638 A 20131216
- EP 2014003258 W 20141205

Abstract (en)

[origin: WO2015090524A1] The invention relates to a filling device (1) for filling a fluid into at least one container, wherein the filling device (1) has a weighing system (2) and a filling needle system (3). The weighing system (2) has a positioning device (4), which can be adapted to a container diameter and which can be annular. The weighing system (2) is arranged on an accommodating table (7), which can be moved vertically by means of a linear unit. The filling needle system (3) is arranged in a position which is above the positioning device (4) on an adjusting unit and which is spaced apart in an axial direction. The filling needle system (3) comprises a combined filling and inerting needle (12). Components of the filling needle system (3) which, during the filling process, can come in contact with the respective fluid used preferably consist of stainless steel and/or polytetrafluoroethylene (PTFE). The filling device (1) can comprise two or more weighing systems (2), wherein the weighing systems (2) are each arranged on a separate accommodating table (7), each table being vertically movable by means of a respective linear unit (6).

IPC 8 full level

**B65B 3/28** (2006.01); **B65B 39/12** (2006.01); **B65B 43/59** (2006.01)

CPC (source: EP KR US)

**B65B 3/28** (2013.01 - EP KR US); **B65B 31/00** (2013.01 - US); **B65B 39/12** (2013.01 - EP KR US); **B65B 43/59** (2013.01 - EP KR US); **B65B 57/04** (2013.01 - EP KR US); **B65B 57/145** (2013.01 - EP KR US); **B65B 65/06** (2013.01 - US)

Citation (search report)

See references of WO 2015090524A1

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 102013020638 A1 20150618**; CN 105813942 A 20160727; CN 105813942 B 20190423; EP 3083408 A1 20161026; EP 3083408 B1 20180221; JP 2017501089 A 20170112; JP 3225513 U 20200312; KR 20160098421 A 20160818; TW 201536634 A 20151001; TW I651242 B 20190221; US 2016272346 A1 20160922; US 9944416 B2 20180417; WO 2015090524 A1 20150625

DOCDB simple family (application)

**DE 102013020638 A 20131216**; CN 201480068155 A 20141205; EP 14812712 A 20141205; EP 2014003258 W 20141205; JP 2016539994 A 20141205; JP 2019004941 U 20191226; KR 20167018948 A 20141205; TW 103143725 A 20141215; US 201414761165 A 20141205