

Title (en)

DOSING DEVICE AND DOSING METHOD FOR LIQUIDS

Title (de)

DOSIERVORRICHTUNG UND DOSIERVERFAHREN FÜR FLÜSSIGKEITEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DOSAGE DE LIQUIDES

Publication

EP 2528851 B1 20160420 (DE)

Application

EP 11703626 A 20110126

Priority

- DE 102010006005 A 20100127
- EP 2011051039 W 20110126

Abstract (en)

[origin: WO2011092188A1] The invention relates to a dosing device having an inlet for a liquid to be delivered to a container as a dose, in particular a beverage. The device comprises a valve seat, a sealing element interacting with the valve seat and an outlet for the dose of the liquid. In order to reduce foam build-up upon delivering the liquid into the container, according to the invention the sealing element can be moved to a first and a second opening position, wherein, in the second opening position, the flow cross-section area between the valve seat and the sealing element is larger than in the first opening position. In addition, the invention relates to a dosing method comprising the supplying of a liquid to a valve which is moved to a first and second opening position.

IPC 8 full level

B67C 3/28 (2006.01); **B65B 3/22** (2006.01); **B65B 39/00** (2006.01)

CPC (source: EP US)

B65B 3/22 (2013.01 - EP US); **B65B 39/004** (2013.01 - EP US); **B67C 3/286** (2013.01 - EP US); **B65B 2039/009** (2013.01 - EP US); **B67C 2003/2671** (2013.01 - EP US); **Y10T 137/88038** (2015.04 - EP US)

Cited by

WO2017093095A1

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)

DE 102010006005 A1 20110728; BR 112012016532 A2 20160419; BR 112012016532 B1 20190910; CN 102791612 A 20121121; CN 102791612 B 20140507; EP 2528851 A1 20121205; EP 2528851 B1 20160420; RU 2012136549 A 20140310; RU 2541293 C2 20150210; US 10472218 B2 20191112; US 2012291898 A1 20121122; WO 2011092188 A1 20110804

DOCDB simple family (application)

DE 102010006005 A 20100127; BR 112012016532 A 20110126; CN 201180007488 A 20110126; EP 11703626 A 20110126; EP 2011051039 W 20110126; RU 2012136549 A 20110126; US 201113522868 A 20110126