

Title (en)

DEVICE AND METHOD FOR FILLING A CONTAINER WITH A FILLING PRODUCT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM BEFÜLLEN EINES BEHÄLTERS MIT EINEM FÜLLPRODUKT

Title (fr)

DISPOSITIF ET PROCÉDÉ DE REMPLISSAGE D'UN CONTENANT D'UN PRODUIT DE REMPLISSAGE

Publication

EP 3589576 B1 20210519 (DE)

Application

EP 18710388 A 20180302

Priority

- DE 102017104343 A 20170302
- EP 2018055166 W 20180302

Abstract (en)

[origin: WO2018158424A1] The invention relates to a device (1) for filling a container (100) with a filling product, preferably for filling a glass container (100) with a beverage in a beverage filling system, comprising a filling valve (12) for introducing the filling product into the container (100) to be filled, a control device for controlling the filling valve (12), and a filling-height sensor (2), which communicates with the control device, for detecting the presence of a desired filling height (Hs) of the filling product in the container (100), the control device being designed to close the filling valve (12) when the desired filling height (Hs) is detected, the control device being designed to determine the presence of the desired filling height (Hs) again by means of the filling-height sensor (2) after the filling valve (12) has been closed and to initiate an ejection operation for the container (100) if it is detected that the desired filling height (Hs) has been fallen below.

IPC 8 full level

B67C 3/00 (2006.01); **B67C 3/28** (2006.01)

CPC (source: EP US)

B67C 3/007 (2013.01 - EP US); **B67C 3/282** (2013.01 - EP US)

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 102017104343 A1 20180906; CN 110582459 A 20191217; CN 110582459 B 20210720; EP 3589576 A1 20200108; EP 3589576 B1 20210519; SI 3589576 T1 20210831; US 11148923 B2 20211019; US 2021284517 A1 20210916; WO 2018158424 A1 20180907

DOCDB simple family (application)

DE 102017104343 A 20170302; CN 201880028978 A 20180302; EP 18710388 A 20180302; EP 2018055166 W 20180302; SI 201830301 T 20180302; US 201816490441 A 20180302