

Title (en)

DEVICE AND METHOD FOR INTRODUCING A GAS IN A CONTAINER TO BE FILLED

Title (de)

VORRICHTUNG UND VERFAHREN ZUM EINLEITEN EINES GASES IN EINEN ZU BEFÜLLENDE BEHÄLTER

Title (fr)

DISPOSITIF ET PROCEDE D'INTRODUCTION D'UN GAZ DANS UN RECIPIENT A REMPLIR

Publication

**EP 3118154 B1 20180606 (DE)**

Application

**EP 16179440 A 20160714**

Priority

DE 102015111374 A 20150714

Abstract (en)

[origin: CN106348233A] The present invention relates to a method and apparatus (1) for introducing a gas into a container (8) to be filled with a filling product, wherein the apparatus comprising a gas inlet (2) switchable via an input valve (20); the gas inlet (3) is used for passing the gas to the gas outlet (3) in the vessel (8) to be filled, wherein the gas inlet (2) is divided into a flushing line (20) between the inlet valve (20) and the gas outlet (3) a flushing pipe (4) and a pre-tensioning pipe (5) for flushing the container (8) and the pre-tensioning pipe for the pre-tensioning container (8), wherein the pre-tensioning pipe (5) is used for the automatic switching of the pre-tensioning pipe (5), the upstream pressure (p1) existing upstream of the back pressure valve (6) in the pre-tensioning pipe (5) of the downstream pressure (6). The back pressure valve (6) is automatically switched between the open position and the closed position.

IPC 8 full level

**B67C 3/10** (2006.01)

CPC (source: CN EP)

**B67C 3/10** (2013.01 - CN EP)

Cited by

CN113687020A

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 3118154 A1 20170118; EP 3118154 B1 20180606**; CN 106348233 A 20170125; CN 106348233 B 20190614;  
DE 102015111374 A1 20170119; SI 3118154 T1 20180928

DOCDB simple family (application)

**EP 16179440 A 20160714**; CN 201610555276 A 20160714; DE 102015111374 A 20150714; SI 201630052 T 20160714