Title (en)
DEVICE AND METHOD FOR FILLING A CONTAINER WITH A CARBONATED FILLING PRODUCT

Title (de)
VORRICHTUNG UND VERFAHREN ZUM BEFÜLLEN EINES BEHÄLTERS MIT EINEM KARBONISIERTEN FÜLLPRODUKT

Title (fr)
DISPOSITIF ET PROCEDE DE REMPLISSAGE D'UN RECIPIENT AVEC UN PRODUIT DE REMPLISSAGE CARBONISE

Publication
EP 3020679 B1 20190102 (DE)

Application
EP 15194003 A 20151111

Priority
DE 102014116463 A 20141111

Abstract (en)
[origin: CN105584653A] The invention relates to a device and method for filling a container(4) with a carbonated filling product. The device is characterized in that a filling valve (3)is used for filling the container (4) to be filled; a releasing device (7) provided with a releasing valve (70) is used to releasing the overpressure in the filled container (4); a sterilization area (6) is provided with a flowing outlet (30) accommodating the filling valve (3), and the flowing outlet is used for the connection with a container opening (40) of the container (4) to be filled; and the releasing device (7) is used for the communication with the sterilization area (6) for releasing the overpressure in the sterilization area.

IPC 8 full level
B67C 3/06 (2006.01); **B65B 31/02** (2006.01)

CPC (source: CN EP)
B65B 3/14 (2013.01 - CN); **B65B 3/26** (2013.01 - CN); **B65B 55/10** (2013.01 - CN); **B67C 3/06** (2013.01 - EP); B67C 2003/228 (2013.01 - EP); B67C 2003/2694 (2013.01 - EP)

Citation (examination)
EP 2409948 A2 20120125 - KRONES AG [DE]

Cited by
US10899592B2; EP3812343A4; CN111226070A; EP3421411A1; US2019002262A1; CN109231112A; US11248731B2; WO2019076700A1; EP4001206A1; DE102020130628A1

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 3020679 A1 20160518; **EP 3020679 B1 20190102**; CN 105584653 A 20160518; CN 105584653 B 20190101; DE 102014116463 A1 20160512; EP 3480161 A1 20190508; JP 2016094250 A 20160526; JP 6830755 B2 20210217; SI 3020679 T1 20190329

DOCDB simple family (application)
EP 15194003 A 20151111; CN 201510765725 A 20151111; DE 102014116463 A 20141111; EP 18209367 A 20151111; JP 2015219588 A 20151109; SI 201530584 T 20151111