

Title (en)

DEVICE FOR FILLING AND CLOSING CONTAINERS

Title (de)

VORRICHTUNG ZUM BEFÜLLEN UND VERSCHLIEßEN VON BEHÄLTERN

Title (fr)

DISPOSITIF POUR REMPLIR ET FERMER DES RÉCIPIENTS

Publication

EP 3863957 A1 20210818 (DE)

Application

EP 19782567 A 20191001

Priority

- DE 102018124874 A 20181009
- EP 2019076551 W 20191001

Abstract (en)

[origin: WO2020074316A1] The invention relates to a device (1) for filling and closing containers (2), which has at least one carrier element (3) for carrying and holding the containers (2) and at least one filling and closing member (4) arranged on at least one handling station (S) of the device (1). The filling and closing member (4) is connected to a filling material supply and a closing cover supply and comprises at least one filling valve (4.1) and at least one mating holder (5) arranged in the vertical direction above the containers (2) to be filled and to be closed. The carrier element (3) and the mating holder (5) are designed to perform a controlled movement relative to each other oriented in the direction of a vertical axis (VA) of the handling station (S), specifically in such a way that the carrier element (3) and the mating holder (5) assume at least one filling position (PF) and at least one closing position (PV) on account of the controlled relative movement, starting from an initial position (P0) relative to each other. The device (1) is set up both to fill and to close the containers (2) at the at least one handling station (S).

IPC 8 full level

B67C 7/00 (2006.01); **B67B 3/02** (2006.01)

CPC (source: EP US)

B67B 3/02 (2013.01 - EP US); **B67C 3/26** (2013.01 - US); **B67C 7/00** (2013.01 - EP); **B67C 7/0006** (2013.01 - US); **B67C 2003/2668** (2013.01 - EP US); **B67C 2003/2697** (2013.01 - EP US); **B67C 2007/006** (2013.01 - EP US); **B67C 2007/0066** (2013.01 - EP US)

Citation (search report)

See references of WO 2020074316A1

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 102018124874 A1 20200409; CN 112839898 A 20210525; CN 112839898 B 20230822; EP 3863957 A1 20210818; US 2022055881 A1 20220224; WO 2020074316 A1 20200416

DOCDB simple family (application)

DE 102018124874 A 20181009; CN 201980066832 A 20191001; EP 19782567 A 20191001; EP 2019076551 W 20191001; US 201917275065 A 20191001