

Title (en)

MULTI-STATION PACKAGING MACHINE HAVING A CIRCULAR TRAY AND DEVICE FOR FILLING VIALS

Title (de)

MULTISTATIONÄRE VERPACKUNGSMASCHINE MIT EINER KREISFÖRMIGEN ABLAGE UND VORRICHTUNG ZUM FÜLLEN VON AMPULLEN

Title (fr)

MACHINE DE CONDITIONNEMENT MULTIPOSTE À PLATEAU CIRCULAIRE ET DISPOSITIF DE REMPLISSAGE DE FLACONS

Publication

EP 2858942 B1 20160330 (FR)

Application

EP 13733373 A 20130607

Priority

- FR 1255380 A 20120608
- FR 2013051315 W 20130607

Abstract (en)

[origin: WO2013182826A1] The invention concerns a packaging machine (27) and a device (1) for filling vials for a multi-station machine having a circular tray (24) for transporting vials, the vials being transported intermittently by the peripheral edge of the tray in indexed positions (26) of the tray, said device allowing the continuous simultaneous filling of a predefined number of vials both when the vials are moving and when the vials are stationary, said device comprising a first motorised means (7) allowing filling nozzles (16) to be raised and lowered and a second motorised means (8) allowing the filling nozzles to be moved back and forth following the vials. It is intended to be installed at the edge of the tray and allows a movement of the nozzles that is co-circular to that of the vials. It comprises a gantry (2, 3) and a nozzle-holder carriage (4; 6, 21, 5), the gantry comprising at least two lateral vertical uprights (2) between which the horizontal nozzle-holder carriage (4) can move vertically, the nozzle-holder carriage comprising a guide plate (6) and a nozzle-holder (21), the nozzle-holder being mobile in translation in an arc of a circle, co-circularly to the vials, along the guide plate, said gantry supporting the first motorised means (7) acting on the guide plate (6) of the nozzle-holder carriage (4) in order to move said guide plate vertically up and down, the guide plate (6) supporting the second motorised means (8) acting on the nozzle-holder (21) in order to move said nozzle-holder (21) horizontally and co-circularly in an arc of a circle and back and forth along the guide plate (6).

IPC 8 full level

B67C 3/02 (2006.01); **B67C 3/22** (2006.01)

CPC (source: EP)

B67C 3/02 (2013.01); **B67C 3/22** (2013.01)

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)

WO 2013182826 A1 20131212; CA 2875953 A1 20131212; CA 2875953 C 20200901; EP 2858942 A1 20150415; EP 2858942 B1 20160330; ES 2578355 T3 20160726; FR 2991675 A1 20131213; FR 2991675 B1 20140704; PL 2858942 T3 20161031

DOCDB simple family (application)

FR 2013051315 W 20130607; CA 2875953 A 20130607; EP 13733373 A 20130607; ES 13733373 T 20130607; FR 1255380 A 20120608; PL 13733373 T 20130607