

Title (en)

Filling machine and method for sanitising said filling machine

Title (de)

Füllmaschine und Verfahren zur Desinfektion der Füllmaschine

Title (fr)

Machine de remplissage et procédé pour la désinfection de ladite machine

Publication

**EP 2246291 B1 20130918 (EN)**

Application

**EP 10159953 A 20100414**

Priority

IT PD20090116 A 20090430

Abstract (en)

[origin: EP2246291A1] Filling machine (1) comprising: a plurality of valve assemblies (5) hydraulically connected to a tank (4) and mounted peripherally on a rotary carousel (3), each of which is equipped with a tap (44), on which a tubular pipe (6) is formed for supplying a liquid to be bottled from the tank (4) to a container (7), and with a centring cone (9) aligned with such a tubular pipe (6); moving means (11) mechanically connected to the rotary carousel (3) and suitable for adjusting the vertical position of the valve assemblies (5); a plurality of rinsing containers (13) of a sanitising fluid each able to be operatively and mechanically associated with one of said valve assemblies (5) during foreseen sanitising operations; first actuator means (76) suitable for moving each of the rinsing containers (13) between an inoperative position, in which the rinsing container (13) is outside of the working bulk of the valve assemblies (5), and an operative position, in which the rinsing container (13) is vertically aligned below one of the valve assemblies (5). Moreover, the centring cone (9) of each valve assembly (5) comprises: an outer body (14), which is supported by the same valve assembly (5), equipped with an upper portion (15) able to enter into sealed relationship with the tap (44), and with a lower portion (17) able to enter into sealed relationship with the rinsing container (13); an inner body (18), which is slidably mounted inside the outer body (14), equipped with a top wall (19) able to enter into sealed relationship with the lower wall (16) of the tap (44), and with a lower concavity (21) able to enter into sealed relationship with the mouth (20) of the container (7) to be filled.

IPC 8 full level

**B67C 3/00** (2006.01)

CPC (source: EP)

**B67C 3/004** (2013.01)

Cited by

DE102018100353B4; CN107214161A; CN116081239A; CN117263124A; DE102011110840A1; DE102018100353A1; CN111601769A; WO2013026523A3; US9284173B2; US11046565B2; EP2409948B1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**EP 2246291 A1 20101103; EP 2246291 B1 20130918**; ES 2439040 T3 20140121; IT 1393974 B1 20120517; IT PD20090116 A1 20101101; SI 2246291 T1 20140131

DOCDB simple family (application)

**EP 10159953 A 20100414**; ES 10159953 T 20100414; IT PD20090116 A 20090430; SI 201030443 T 20100414