

Title (en)

Rotary machine for filling containers with liquids

Title (de)

Rotierende Füllmaschine zum Füllen von Behältern mit Flüssigkeiten

Title (fr)

Machine de remplissage rotative pour le remplissage de récipients avec des liquides

Publication

EP 2287107 A1 20110223 (EN)

Application

EP 10173119 A 20100817

Priority

IT PD20090244 A 20090819

Abstract (en)

Rotary machine for filling containers with liquids (1) provided with a plurality of valve assemblies (5) hydraulically connected to a tank (4) and mounted peripherally on a rotary carousel (3). Each valve assembly (5) comprises a tap (44) with interception means (8) for adjusting the outflow of liquid into the container. The machine is also provided with a plurality of chutes (100), each of which is mounted by means of a hinge (101) on the rotary carousel (3) at a valve assembly (5); and a tray (104) mounted fixed with respect to the rotary carousel (3) and extending for at least one arc around the rotary carousel (3). First shifting means (109) are suitable to move each chute (100) around the hinge (101) between a withdrawn position (110), wherein the chute (100) is substantially aligned with the valve assembly (5), and a projecting position (111), wherein the chute (100) projects externally from the valve assembly (5) towards the tray (104) for draining - into the latter - the liquid released by the valve assembly (5).

IPC 8 full level

B67C 3/00 (2006.01)

CPC (source: EP)

B67C 3/001 (2013.01)

Citation (applicant)

US 5533552 A 19960709 - AHLERS EGON [DE]

Citation (search report)

- [A] EP 1908726 A1 20080409 - MBF SPA [IT]
- [A] EP 0885838 A1 19981223 - MBF SPA [IT]
- [A] WO 2007019590 A2 20070215 - LE ROUX ETIENNE [ZA]
- [A] EP 1995208 A1 20081126 - GRUPPO BERTOLASO SPA [IT]

Cited by

EP4105164A1; CN112986143A; IT201700084348A1; IT202100015512A1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2287107 A1 20110223; IT 1395203 B1 20120905; IT PD20090244 A1 20110220

DOCDB simple family (application)

EP 10173119 A 20100817; IT PD20090244 A 20090819