

Title (en)
Modular-type rotative filling machine

Title (de)
Modulare rotierende Befüllungsmaschine

Title (fr)
Machine de remplissage rotative de type modulaire

Publication
EP 2583932 B1 20131120 (EN)

Application
EP 12188914 A 20121017

Priority
IT TO20110929 A 20111017

Abstract (en)
[origin: EP2583932A1] The invention relates to a modular rotative filling machine (1) provided with a base module (4) adapted to carry out the filling of containers in untreated air conditions and formed by a rotor (10), by a plurality of filling valves (11) fixed to the external periphery of the rotor (10), and by a plurality of support elements (12) borne by the rotor (10) and adapted to maintain the containers in positions below the respective filling valves (11); the filling machine (1) also comprises an auxiliary module (5) peripherally couplable, by means of releasable constraint means (6), to the base module (4) and defining a controlled atmosphere chamber (7), for filling the containers in ultra clean atmospheric conditions; the chamber (7) is defined by an annular rotating element (40) which can protrude, by means of the constraint means (6), from the external periphery of said rotor (10) and has a plurality of through-seats (41) which can be sealingly engaged by said respective filling valves (11), and by a fixed panelling (42) arranged about the rotor (10) and the rotating element (40) and cooperating with the latter by means of sealing means (43) extending along the rotation path (P) of the containers.

IPC 8 full level
B67C 3/22 (2006.01)

CPC (source: EP)
B67C 3/22 (2013.01); **B67C 2003/2694** (2013.01)

Cited by
US10040677B2; WO2015091050A1

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 2583932 A1 20130424; EP 2583932 B1 20131120; IT TO20110929 A1 20130418

DOCDB simple family (application)
EP 12188914 A 20121017; IT TO20110929 A 20111017