

Title (en)

Process and apparatus for filling bottles with gas

Title (de)

Verfahren und Vorrichtung zum Befüllen von Flaschen mit Gas

Title (fr)

Procédé et appareillage de remplissage de bouteilles avec du gaz

Publication

EP 1371895 A2 20031217 (EN)

Application

EP 03384001 A 20030515

Priority

ES 200201113 A 20020516

Abstract (en)

Characterised in that the apparatus comprises a turner (1) on which the bottles (2,3,4) are placed, an actuator that causes the turner (1) to swivel, a pneumatic circuit that connects the aforesaid bottles (2,3,4) to a gas tank, pneumatic means (7 to 21) provided in said circuit for carrying out the venting, washing, vacuumising and filling operations, and control means that act on the actuator and on the pneumatic means (7 to 21) so as to permit automatic control of said operations. Filling of the bottles with gas is controlled by means of a mass flow meter. The gas can thus be dispensed into the bottles without removing them from the turner, thereby reducing the number of operations to be carried out for each bottle, and ensuring the quality of the bottled gas.

IPC 1-7

F17C 5/00; F17C 13/00; F17C 6/00; F17C 13/02

IPC 8 full level

F17C 5/00 (2006.01)

CPC (source: EP)

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Cited by

CN111425755A; EP3859199A1; CN109323123A; FR2863037A1; CN108426167A; CN109209378A; EP2896870A1; US11250659B2; US12008855B2; WO2005054741A1; WO2015099622A3

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