

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 A3 20060719 (EN)**

Application

**EP 03384001 A 20030515**

Priority

ES 200201113 A 20020516

Abstract (en)

[origin: EP1371895A2] 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 8 full level

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CPC (source: EP)

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Citation (search report)

[X] FR 2750689 A1 19980109 - PROVENCALE D AUTOMATION ET DE [FR]

Cited by

EP3859199A1; CN108426167A; CN111425755A; CN109209378A; FR2863037A1; CN109323123A; EP2896870A1; US11250659B2; US12008855B2; EP3274617A4; WO2005054741A1; WO2015099622A3

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