

Title (en)

Bottle filling valve to be used in aseptic industrial bottling systems for juices, beverages and in general for so-called still beverages

Title (de)

Flaschenfüllventil zur Verwendung in aseptischen industriellen Abfüllsystemen für Säfte, Getränke und allgemein für sogenannte stille Getränke

Title (fr)

Soupape de remplissage de bouteilles à utiliser dans des systèmes aseptiques d'embouteillage industriel pour jus, boissons et en général pour les boissons dites plates

Publication

EP 1810946 A1 20070725 (EN)

Application

EP 07100363 A 20070111

Priority

IT PD20060015 A 20060118

Abstract (en)

A bottle filling valve to be used in aseptic industrial bottling systems for juices, beverages and in general for so-called still beverages, comprising a filling duct (21) constituted, from the top downward, by an upper body (11), in which there is a chamber (12) which is open downward and is connected to a liquid supply system, and by a sleeve (15) to be inserted in a bottle (B) to be filled. The sleeve (15) has, at its upper and lower ends, respectively an opening (16) for connection to the chamber (12) and a port (17) for discharge into the bottle. The chamber (12) and the sleeve (15) are mutually connected by means of a connecting member. A tubular stem (24) is provided inside the filling duct (21) and is fixed in an upper region to the upper body (11) by means of a pin (26); the tubular stem (24) has, at its lower end, a flow control body (28) for the discharge port (17) of the sleeve (15). A vent hole (29) is provided in the flow control body (28) and is connected to the inside of the tubular stem (24), which in turn is connected to an external system for venting and/or recovering liquid. The sleeve (15) comprises means (34) suitable to allow it to perform a relative translational motion with respect to the tubular stem (24). Means for the return to the closure position of the discharge port (17) on the flow control body (28) are associated with the means for translational motion (34).

IPC 8 full level

B67C 3/26 (2006.01)

CPC (source: EP)

B67C 3/2637 (2013.01); **B67C 2003/2602** (2013.01); **B67C 2003/2654** (2013.01)

Citation (applicant)

DE 3325338 A1 19850131 - SICK KG OTTO [DE]

Citation (search report)

- [X] DE 3325338 A1 19850131 - SICK KG OTTO [DE]
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CN114014242A; CN114229773A

Designated contracting state (EPC)

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Designated extension state (EPC)

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