

Title (en)

METHOD FOR FILLING BEVERAGES IN BOTTLES AND FILLING MACHINE

Title (de)

VERFAHREN ZUM ABFÜLLEN VON GETRÄNKEN IN FLASCHEN UND FÜLLMASCHINE

Title (fr)

PROCÉDÉ DE REMPLISSAGE DE BOUTEILLES DE BOISSONS ET MACHINE DE REMPLISSAGE

Publication

**EP 3647258 B1 20221102 (DE)**

Application

**EP 19199529 A 20190925**

Priority

DE 102018217836 A 20181018

Abstract (en)

[origin: CN111071972A] The invention relates to a method for filling beverages in bottles and a filling machine, wherein the beverage is stored in the annular product channel under overpressure and flows into the bottle under overfilling by opening the filling valve connected to it. Herein, the feedback gas flows into the annular feedback gas channel through a feedback gas valve attached to the filling valve; after the filling valve and the feedback gas valve are closed, a vacuum valve attached to the machine is opened to suck the overfilled beverage into the annular vacuum channel; therefore, time saving is achieved, and matched filling of the corresponding beverages is achieved.

IPC 8 full level

**B67C 3/28** (2006.01)

CPC (source: CN EP)

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Citation (examination)

- EP 0979797 B1 20051012 - KHS MASCH & ANLAGENBAU AG [DE]
- EP 2386518 B1 20140521 - KRONES AG [DE]

Cited by

CN112062077A

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