

Title (en)

METHOD AND FILLING SYSTEM FOR FILLING CONTAINERS

Title (de)

VERFAHREN SOWIE FÜLLSYSTEM ZUM FÜLLEN VON BEHÄLTERN

Title (fr)

PROCÉDÉ ET SYSTÈME DE REMPLISSAGE PERMETTANT DE REMPLIR DES CONTENANTS

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Application

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Priority

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Abstract (en)

[origin: WO2014206774A1] The invention relates to a method for filling containers (2) with a liquid filling material by means of a filling system, by means of which the filling material is fed to the containers (2) via a filling-material volumetric flow rate controller (18), which controls the filling-material volumetric flow rate in an open-loop or closed-loop manner on the basis of a target filling curve (FK), which is stored in a control computer (17) that controls the filling-material volumetric flow rate controller (18), namely with a filling-material volumetric flow rate course that changes in a plurality of chronologically consecutive sub-phases, which filling-material volumetric flow rate course comprises at least one reduced filling-material volumetric flow rate (Q1, Q3) at the start and at the end of a filling phase and an increased filling-material volumetric flow rate (Q2) in a quick filling phase lying therebetween. In order to simultaneously fill a container group, the filling system (1) forms a filling position (3.1 - 3.4) for each container (2), wherein during the filling phase the filling material is fed to the filling positions (3.1 - 3.4) via the filling-material volumetric flow rate controller (18), which is common to all filling positions (3.1 - 3.4), and wherein the volumetric flow rate fed to each container is continuously detected as an actual value by means of a respective separate flow meter (20) and is used to correct the control of the filling-material volumetric flow rate controller (18) in the control computer (17).

IPC 8 full level

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