

Title (en)

METHOD FOR CONTROLLING A BEVERAGE FILLING SYSTEM AND BEVERAGE FILLING SYSTEM

Title (de)

VERFAHREN ZUR STEUERUNG EINER GETRÄNKEFÜLLANLAGE UND GETRÄNKEFÜLLANLAGE

Title (fr)

PROCÉDÉ DE COMMANDE D'UNE INSTALLATION D'EMBOUTEILLAGE ET INSTALLATION D'EMBOUTEILLAGE

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Application

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Abstract (en)

[origin: WO2017186395A1] The invention relates to a method for controlling a beverage filling system (10), having a filling machine (12), which has a plurality of filling elements (16), each having a filling valve (32) for filling a beverage into containers (18), in particular bottles, and a flow meter (34), wherein the filling volume supplied to the containers (18) via the filling valve (32) is detected by means of the flow meter (34) during the filling process, wherein, according to the method, each filling element (16) of the filling machine (12) is supplied from a product container (14), in particular a ring bowl, and a product inflow (20) is regulated to maintain a target fill level in the product container (14). According to the invention, the signals of the flow meters (34) of all filling elements (16) are combined into a current volume flow signal or the velocity of the filling machine (12) is currently measured and a current volume flow signal is calculated from the measured velocity value, in consideration of the number of filling elements (16) and of the volume of one container (18). Furthermore, the current volume flow signal is used to derive a control signal for product inflow (20) and the product inflow (20) is regulated in dependence on the current volume flow signal.

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