

Title (en)

METHOD FOR THE CIP CLEANING OF A FILLING ELEMENT OF A FILLING MACHINE, AND FILLING MACHINE

Title (de)

VERFAHREN ZUR CIP-REINIGUNG EINES FÜLLELEMENTS EINER FÜLLMASCHINE UND FÜLLMASCHINE

Title (fr)

PROCÉDÉ DE NETTOYAGE EN PLACE D'UN ÉLÉMENT DE REMPLISSAGE D'UNE MACHINE DE REMPLISSAGE AINSI QUE MACHINE DE REMPLISSAGE

Publication

EP 3959167 A1 20220302 (DE)

Application

EP 20716419 A 20200330

Priority

- DE 102019110665 A 20190425
- EP 2020058918 W 20200330

Abstract (en)

[origin: WO2020216579A1] The invention relates to a method for the CIP cleaning of at least one filling element (1) of a filling machine for filling containers with liquid contents, wherein the filling machine has a multiplicity of filling positions on a circulating transporting element, wherein each filling position has a filling element (1) with a filling valve (2) and an electric filling-level probe (7), and ,for the CIP cleaning operation, the filling valve (2) and the electric filling-level probe (7) are accommodated in a flushing chamber (13), which is provided by a closure element (12), in particular a flushing cap or flushing sleeve, and at least one cleaning medium is directed into the flushing chamber (13). The method is distinguished in particular in that, during the CIP cleaning operation, at least one measurement is carried out using the electric filling-level probe (7). The invention also relates to a filling machine which is intended for filling containers with liquid contents and has a control means designed to implement the method according to the description above.

IPC 8 full level

B67C 3/00 (2006.01)

CPC (source: EP US)

B08B 9/0325 (2013.01 - US); **B67C 3/002** (2013.01 - EP US); **B67C 3/007** (2013.01 - US); **B67C 3/225** (2013.01 - US); **B67C 3/26** (2013.01 - US); **B08B 2209/032** (2013.01 - US); **B67C 2003/2685** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020216579 A1 20201029; CN 113727939 A 20211130; CN 113727939 B 20230808; DE 102019110665 A1 20201029; EP 3959167 A1 20220302; EP 3959167 B1 20230118; SI 3959167 T1 20230331; US 11427452 B2 20220830; US 2022041424 A1 20220210

DOCDB simple family (application)

EP 2020058918 W 20200330; CN 202080031077 A 20200330; DE 102019110665 A 20190425; EP 20716419 A 20200330; SI 202030152 T 20200330; US 202117505737 A 20211020