

Title (en)

DEVICE AND METHOD FOR FILLING A FILLING PRODUCT INTO A CONTAINER TO BE FILLED IN A BEVERAGE FILLING SYSTEM

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ABFÜLLEN EINES FÜLLPRODUKTS IN EINEN ZU BEFÜLLENDE BEHÄLTER IN EINER GETRÄNKEABFÜLLANLAGE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE REMPLISSAGE D'UN PRODUIT DE REMPLISSAGE DANS UN RÉCIPIENT À REMPLIR DANS UNE INSTALLATION D'EMBOUEILLAGE

Publication

EP 3663255 C0 20230830 (DE)

Application

EP 19213956 A 20191205

Priority

DE 102018131077 A 20181205

Abstract (en)

[origin: US2020180929A1] A device for filling a fill product into a container to be filled in a beverage bottling plant. The device includes a fill product reservoir for storing the fill product, a fill product channel, and a filling member in fluid communication with the fill product reservoir via the fill product channel. The filling member is configured to introduce the fill product into the container to be filled and the filling member communicates via media channels to provide media flows for two or more functions: flushing the container with a flushing gas, pre-pressurizing the container before it is filled, returning gas displaced during the filling of the container, relieving a gas overpressure in the container, and circulating a hot fill product through the filling member for controlling a temperature. A single media channel of the media channels is configured to provide the media flows for at least two of the functions.

IPC 8 full level

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CPC (source: CN EP US)

B67C 3/045 (2013.01 - EP US); **B67C 3/06** (2013.01 - CN US); **B67C 3/10** (2013.01 - EP US); **B67C 3/14** (2013.01 - US); **B67C 3/2617** (2013.01 - US)

Designated contracting state (EPC)

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Participating member state (EPC – UP)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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