

Title (en)

METHOD FOR DEPOSITING A FUNCTIONAL LAYER ON A CONTAINER

Title (de)

VERFAHREN ZUM AUFBRINGEN EINER FUNKTIONS-SCHICHT AUF EINEN BEHÄLTER

Title (fr)

PROCÉDÉ D'APPLICATION D'UNE COUCHE FONCTIONNELLE SUR UN RÉCIPIENT

Publication

**EP 3599092 A1 20200129 (DE)**

Application

**EP 19182132 A 20190625**

Priority

DE 102018212623 A 20180727

Abstract (en)

[origin: CN211222617U] The utility model relates to a container processor for processing the surface of a container in the beverage processing industry. Wherein the container handling machine (100) comprises a conveying device (110) for conveying containers in a conveying direction, and two flame pyrolysis devices (251, 252), the two flame pyrolysis devices are arranged and configured to ignite the surface of the container conveyed in the conveying device and apply a functional layer, where both the flame pyrolysis devices are arranged on the same side of the conveying device. Besides, the utility model further relates to a container processor for processing the surface of the container in the beverage processing industry. Wherein the container handling machine comprises a conveying device (110) for conveying the container in a conveying direction and a plasma nozzle (341), and wherein the plasma nozzle is configured to impinge an unoxidized surface of the container with a precursor-containing plasma (342) in order to deposit a functional layer on the surface of the container.

Abstract (de)

Verfahren zum Behandeln einer Oberfläche eines Behälters, wie einer Flasche, in der Getränkeverarbeitenden Industrie, wobei auf eine nicht oxidierte Oberfläche des Behälters in einer Behälterbehandlungsmaschine eine Funktions-Schicht aufgebracht wird.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- EP 2089234 A2 20090819 - PLASTIPAK PACKAGING INC [US]
- EP 1148036 A1 20011024 - ISIMAT GMBH SIEBDRUCKMASCHINEN [DE]

Citation (search report)

- [X] JP 2018024559 A 20180215 - TOYO GLASS CO LTD
- [X] EP 2799241 A2 20141105 - KRONES AG [DE], et al
- [X] US 10016997 B1 20180710 - LESTRANGE JACK T [US], et al
- [X] DE 102013110125 A1 20150319 - TILL GMBH [DE]
- [X] DE 102013215637 A1 20150305 - KRONES AG [DE]
- [A] WO 2017194656 A1 20171116 - ANHEUSER-BUSCH INBEV S A [BE]
- [AD] EP 1148036 A1 20011024 - ISIMAT GMBH SIEBDRUCKMASCHINEN [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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