

Title (en)

DEVICE FOR COATING HOLLOW ARTICLES, HAVING AT LEAST ONE COATING STATION, AND METHOD FOR CLEANING A GAS LANCE

Title (de)

VORRICHTUNG ZUM BESCHICHTEN VON HOHLKÖRPERN MIT MINDESTENS EINER BESCHICHTUNGSSTATION SOWIE VERFAHREN ZUM REINIGEN EINER GASLANZE

Title (fr)

DISPOSITIF DE REVÊTEMENT DE CORPS CREUX À L'AIDE D'AU MOINS UN POSTE DE REVÊTEMENT AINSI QUE PROCÉDÉ DE NETTOYAGE D'UNE LANCE À GAZ

Publication

EP 3781722 A1 20210224 (DE)

Application

EP 19717304 A 20190410

Priority

- DE 102018109217 A 20180418
- EP 2019059001 W 20190410

Abstract (en)

[origin: WO2019201684A1] The present invention relates to a device for coating containers, having at least one coating station, which has a gas lance with an end region. A CIP unit is present, having a housing and an inlet and an outlet and a device for producing a fluid filling and/or a fluid circuit in the volume of the housing via the inlet and the outlet. The housing can be brought into a cleaning position in which said housing completely encloses the end region of the gas lance in a fluid-tight manner and the end region of the gas lance is positioned such that the fluid circuit which conveys a cleaning fluid wets said end region in the cleaning position, and does not enclose the gas lance during normal operation of the device. The invention also relates to a method for cleaning a gas lance (6) of an above-mentioned device, wherein the gas lance remains in the coating device and the following steps are performed in the order given: enclosing at least a part-length, including the free end, of the gas lance in a fluid-tight manner with the housing; introducing a cleaning fluid into the housing; draining the cleaning fluid out of the housing after a definable dwell time has elapsed; removing the housing.

IPC 8 full level

B08B 3/10 (2006.01); **B08B 3/12** (2006.01); **B08B 7/00** (2006.01); **B08B 9/00** (2006.01); **B08B 15/04** (2006.01); **C23C 16/04** (2006.01);
C23C 16/44 (2006.01); **C23C 16/455** (2006.01); **C23C 16/54** (2006.01)

CPC (source: EP)

B08B 3/10 (2013.01); **B08B 7/0021** (2013.01); **B08B 7/0064** (2013.01); **B08B 9/00** (2013.01); **B08B 15/04** (2013.01); **C23C 16/045** (2013.01);
C23C 16/4407 (2013.01); **C23C 16/45563** (2013.01); **C23C 16/54** (2013.01); **B08B 3/12** (2013.01); **B08B 7/0071** (2013.01);
B08B 7/0092 (2013.01)

Citation (search report)

See references of WO 2019201684A1

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 2019201684 A1 20191024; CN 112041479 A 20201204; DE 102018109217 A1 20191024; EP 3781722 A1 20210224;
JP 2021521340 A 20210826

DOCDB simple family (application)

EP 2019059001 W 20190410; CN 201980028789 A 20190410; DE 102018109217 A 20180418; EP 19717304 A 20190410;
JP 2020556970 A 20190410