

Title (en)

TREATMENT STATION, TREATMENT UNIT AND METHOD FOR TREATING WORKPIECES

Title (de)

BEHANDLUNGSSTATION, BEHANDLUNGSANLAGE UND VERFAHREN ZUM BEHANDELN VON WERKSTÜCKEN

Title (fr)

STATION DE TRAITEMENT, UNITÉ DE TRAITEMENT ET PROCÉDÉ DE TRAITEMENT DE PIÈCES

Publication

EP 4175771 A1 20230510 (DE)

Application

EP 21739957 A 20210630

Priority

- DE 102020208248 A 20200701
- DE 2021100554 W 20210630

Abstract (en)

[origin: CN113877762A] The invention relates to a treatment installation and a method for treating workpieces, which allow optimum treatment of the workpieces. A treatment station includes a treatment chamber that can be flooded for the purpose of workpiece treatment. The treatment installation includes a plurality of treatment stations for workpiece treatment, particularly vehicle body cleaning and/or coating treatment, wherein each treatment station comprises at least one treatment vessel, and each treatment vessel encloses a treatment chamber for receiving a workpiece. Each treatment station or a plurality of treatment stations together include a fluid tank for housing a fluid, wherein the treatment station includes a fluid guide part by means of which: a) the fluid can be guided from the fluid tank to the corresponding treatment vessel in order to flood the one or more treatment chambers; and/or b) the fluid can be guided from the corresponding treatment vessel to the fluid tank in order to empty the treatment chamber.

IPC 8 full level

B08B 3/04 (2006.01); **B05C 3/109** (2006.01); **B08B 3/14** (2006.01)

CPC (source: CN EP US)

B05C 3/09 (2013.01 - CN); **B05C 3/109** (2013.01 - EP US); **B05C 11/10** (2013.01 - CN US); **B05C 11/11** (2013.01 - CN); **B05C 13/02** (2013.01 - CN); **B05D 1/18** (2013.01 - US); **B05D 3/10** (2013.01 - US); **B08B 3/04** (2013.01 - EP); **B08B 3/14** (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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020208248 A1 20220105; BR 112022024612 A2 20230131; CA 3180021 A1 20220106; CN 113877762 A 20220104; CN 217043219 U 20220726; DE 112021003543 A5 20230420; EP 4175771 A1 20230510; JP 2023531298 A 20230721; KR 20230031234 A 20230307; MX 2022016177 A 20230209; US 2023158537 A1 20230525; WO 2022002312 A1 20220106; ZA 202212714 B 20240424

DOCDB simple family (application)

DE 102020208248 A 20200701; BR 112022024612 A 20210630; CA 3180021 A 20210630; CN 202110735975 A 20210630; CN 202121470870 U 20210630; DE 112021003543 T 20210630; DE 2021100554 W 20210630; EP 21739957 A 20210630; JP 2022580839 A 20210630; KR 20227046063 A 20210630; MX 2022016177 A 20210630; US 202117920450 A 20210630; ZA 202212714 A 20221122