

Title (en)
WORKPIECE TREATMENT INSTALLATION AND METHOD FOR PRODUCING AND OPERATING A WORKPIECE TREATMENT INSTALLATION OF THIS KIND

Title (de)
WERKSTÜCKBEARBEITUNGSANLAGE UND VERFAHREN ZUM HERSTELLEN UND BETREIBEN EINER SOLCHEN WERKSTÜCKBEARBEITUNGSANLAGE

Title (fr)
INSTALLATION DE TRAITEMENT DE PIÈCES ET PROCÉDÉ DE PRODUCTION ET DE FONCTIONNEMENT D'UNE TELLE INSTALLATION DE TRAITEMENT DE PIÈCES

Publication
EP 4327039 A1 20240228 (DE)

Application
EP 22725160 A 20220413

Priority
• DE 102021109810 A 20210419
• DE 2022100282 W 20220413

Abstract (en)
[origin: WO202223075A1] The invention relates to a workpiece treatment installation (40) having a process chamber (42) for accommodating workpieces to be treated, which process chamber with at least one fresh-air line (44) for introducing fresh air into the process chamber, and with at least one exhaust-air line (48) for discharging exhaust air to be purified from the process chamber. In addition, this workpiece treatment installation has at least one modular thermal exhaust-air purification system (10) having a plurality of burner modules (12) which each have a combustion chamber (14), a burner (19) connected to the combustion chamber, a raw-gas inlet (21) for introducing raw gas to be purified into the particular burner module (12), and a clean gas outlet (22) for discharging purified clean gas from the particular burner module (12). Depending on the performance requirement and structure of the workpiece treatment installation (40), this modular thermal exhaust-air purification system can be flexibly subdivided into one or more exhaust-air purification devices (32, 33a, 33b, 34a, 34b, 34c, 34d) which each have a single burner module (12) or at least two burner modules (12) coupled to one another.

IPC 8 full level
F26B 15/12 (2006.01); **F23C 6/00** (2006.01); **F26B 21/04** (2006.01); **F26B 23/02** (2006.01); **F26B 25/00** (2006.01)

CPC (source: EP)
F26B 15/12 (2013.01); **F26B 21/04** (2013.01); **F26B 23/022** (2013.01); **F26B 25/005** (2013.01); **F26B 2210/12** (2013.01)

Citation (search report)
See references of WO 202223075A1

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 102021109810 A1 20221020; CN 117203480 A 20231208; DE 112022002203 A5 20240314; EP 4327039 A1 20240228; WO 202223075 A1 20221027

DOCDB simple family (application)
DE 102021109810 A 20210419; CN 202280029081 A 20220413; DE 112022002203 T 20220413; DE 2022100282 W 20220413; EP 22725160 A 20220413