

Title (en)

Treatment assembly with heat recovery

Title (de)

Vorbehandlungsanlage mit Wärmerückgewinnung

Title (fr)

Installation de prétraitement dotée d'une récupération de chaleur

Publication

EP 2559494 B1 20160831 (DE)

Application

EP 11006685 A 20110816

Priority

EP 11006685 A 20110816

Abstract (en)

[origin: EP2559494A1] The method involves sucking-out vapors from a pre-treatment system (1) during a pre-treatment of a workpiece (7), which is transported by a transport apparatus (5) i.e. overhead conveyor. Surrounding air (10) is introduced into the pre-treatment system for compensating the sucked air volume. Exhaust air (11) of an exhaust system (2) is injected into the pre-treatment system in addition to the surrounding air, where temperature of the exhaust air injected into the pre-treatment system is higher than that of the surrounding air during penetrating into the pre-treatment system. The exhaust system is designed as an additional system component that is selected from a group consisting of a paint dryer, an adhesive water dryer, a food-extraction dryer door, a lock, an evaporation zone and/or a cooling zone. An independent claim is also included for a pre-treatment system.

IPC 8 full level

B05B 15/12 (2006.01); **B05B 16/60** (2018.01)

CPC (source: EP)

B05B 16/60 (2018.01)

Cited by

CN106925457A

Designated contracting state (EPC)

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