

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

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