

Title (en)
PAINT DRYER AND PAINT DRYING UNIT

Title (de)
LACKTROCKNER UND LACKTROCKNERANLAGE

Title (fr)
SECHOIR DE PEINTURE ET DISPOSITIF DE SECHAGE DE PEINTURE

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Application
EP 00960553 A 20000830

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Abstract (en)
[origin: DE19941184A1] The inventive paint dryer, comprises a cabin (12) for housing objects (15) that are to be painted and dried. At least one fresh air supply (8) is provided in order to introduce fresh air into an air circulation system pertaining to the dryer (1) resulting in the circulation of said air. At least one pure gas supply line (7) is provided, wherein thermally cleaned and heated waste air is introduced as a pure gas, thereby maintaining the waste gas circulated in the circulation system at the desired temperature in such a way that objects (15) arranged in the cabin (12) can be dried by radiation and/or convection. The pure gas supply line (7) is surrounded by the fresh air supply line (8) at least along a longitudinal pipe segment and at least in said longitudinal pipe section the pure gas supply pipe (7) is constructed in such a way as to allow for the transmission of heat to fresh air flowing into the fresh air supply (8). The invention also relates to a paint dryer unit comprising several paint dryer modules which are positioned one after the other and configured as paint dryers according to the invention.

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