

Title (en)

Device for drying objects, in particular varnished automobile bodies

Title (de)

Vorrichtung zum Trocknen von Gegenständen, insbesondere von lackierten Fahrzeugkarosserien

Title (fr)

Dispositif de séchage d'objets, en particulier de carrosseries de véhicule laquées

Publication

EP 1998129 A3 20130529 (DE)

Application

EP 08008074 A 20080426

Priority

DE 102007024745 A 20070526

Abstract (en)

[origin: EP1998129A2] An automotive body (2) painting assembly has a drying station with a drying tunnel (6) with an inert gas atmosphere and gas heater. The drying tunnel is followed by an ultraviolet radiation chamber (7) and is also filled with inert gas. The body panels are exposed to ultraviolet lamps (8, 9) in the chamber, from which surplus heat is removed by a cooling medium that returns to the drying tunnel where it surrenders heat to the inert gas.

IPC 8 full level

F26B 21/14 (2006.01); **B05D 3/04** (2006.01); **B05D 3/06** (2006.01); **F26B 3/28** (2006.01)

CPC (source: EP)

B05D 3/0486 (2013.01); **B05D 3/067** (2013.01); **F26B 3/283** (2013.01); **F26B 21/14** (2013.01); **F26B 2210/12** (2013.01)

Citation (search report)

- [A] DE 102005050371 A1 20070426 - STURM MASCHB GMBH [DE]
- [A] DE 10255419 A1 20040609 - AIR LIQUIDE GMBH [DE]
- [A] US 4143468 A 19790313 - NOVOTNY JEROME L, et al
- [A] DE 102004023536 A1 20050303 - EISENMANN KG MASCHBAU [DE]

Cited by

EP4036506A2; CN111570222A; CN102233317A; DE102015017280B3; DE102015214711A1; DE102015017279B3; US10697702B2; US11674752B2; DE102015214706A1; US10584920B2; DE202016009020U1; DE202016009021U1; DE202016009019U1; US11112177B2; EP4141368A1; US11740021B2; DE102015224916A1; WO2017097483A1; DE102015017278B3; EP3730884A1; EP3730885A1; EP3730886A1; EP3745066A2; EP4306889A2; EP3329198B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 08008074 A 20080426; DE 102007024745 A 20070526