

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 B1 20150114 (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

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

Cited by

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

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1998129 A2 20081203**; **EP 1998129 A3 20130529**; **EP 1998129 B1 20150114**; DE 102007024745 A1 20081127

DOCDB simple family (application)

**EP 08008074 A 20080426**; DE 102007024745 A 20070526