

Title (en)

Process and apparatus for non-thermal drying of objects freshly painted with a water-based paint, in particular car bodies

Title (de)

Verfahren und Vorrichtung zum nicht-thermischen Trocknen von mit einem Wasserbasislack frisch lackierten Gegenständen, insbesondere Kraftfahrzeugkarosserien

Title (fr)

Procédé et dispositif de séchage non-thermique d'objets peints fraîchement avec une peinture à base d'eau, notamment de carrosseries automobiles

Publication

EP 1167908 B1 20050427 (DE)

Application

EP 01114615 A 20010619

Priority

DE 10030383 A 20000621

Abstract (en)

[origin: DE10030383C1] Air drying capability is matched responsively with varying moisture input reaching the drying chamber (1, 1'). Only a fraction of the circulated air is passed through the drying unit (11), which has a high and constant condensation capacity. It dries air passing through it, to a humidity below a target level. The untreated fraction is recombined with the dried air and returned to the drying chamber. The bypass fraction is altered in accordance with demand.

IPC 1-7

F26B 21/08

IPC 8 full level

B05D 3/04 (2006.01); **F26B 15/14** (2006.01); **F26B 21/08** (2006.01)

CPC (source: EP US)

B05D 3/0406 (2013.01 - EP US); **F26B 15/14** (2013.01 - EP US); **F26B 21/086** (2013.01 - EP US); **F26B 2210/12** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 10030383 C1 20011004; DE 50106002 D1 20050818; EP 1167908 A1 20020102; EP 1167908 B1 20050427; US 2002038521 A1 20020404; US 6546647 B2 20030415

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