

Title (en)

Drying process for lacquer coated on a component and apparatus for performing the drying

Title (de)

Trocknungsverfahren für auf Bauteile applizierte Lackmaterialien und Vorrichtung zur Durchführung des Trocknungsverfahrens

Title (fr)

Procédé de séchage d'une laque revêtue sur un élément et appareil pour la mise en oeuvre du séchage

Publication

EP 1264642 A3 20031217 (DE)

Application

EP 02011996 A 20020531

Priority

DE 10127962 A 20010608

Abstract (en)

[origin: EP1264642A2] Paint application is followed by two stage drying involving infra-red and circulating air drying. Air drying continues until a specific state of paint cure has been reached. The following infra-red drying stage, preferably using one or more NIR(near infra-red) emitters, continues the cure of paint in areas accessible to the radiation. An Independent claim is also included for the process equipment which comprises a first, air drying chamber and a second, NIR drying chamber. Components to be dried are independently passed through both chambers by conveyers.

IPC 1-7

B05D 3/02; F26B 3/02; F26B 3/30

IPC 8 full level

B05D 3/02 (2006.01); **F26B 3/28** (2006.01); **B05D 3/04** (2006.01)

CPC (source: EP)

B05D 3/0209 (2013.01); **F26B 3/283** (2013.01); **B05D 3/0263** (2013.01); **B05D 3/0413** (2013.01); **F26B 2210/12** (2013.01)

Citation (search report)

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- [A] US 4943447 A 19900724 - NELSON JAMES S [US], et al
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CN100460791C; CN103008204A; US11619399B1; CN100460790C; WO2005011878A3; WO2005015102A3

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