

Title (en)

Process and apparatus for drying paint layers

Title (de)

Verfahren und Vorrichtung zum Trocknen von Lackschichten

Title (fr)

Méthode et dispositif pour le séchage de couches de peinture

Publication

EP 1681102 B1 20110928 (DE)

Application

EP 06000428 A 20060110

Priority

DE 102005001683 A 20050113

Abstract (en)

[origin: EP1681102A1] The method of drying paint containing solvent involves feeding air that is conditioned in respect of moisture and temperature to the workpiece (6) that is coated with the paint (7) while simultaneously feeding energy into the paint coating by the action of electromagnetic radiation (5). The air is conditioned at a temperature in the range of +1 to +18 degrees C and humidity in the range of 50 to 90 per cent. An independent claim is also included for a device for implementing the inventive method.

IPC 8 full level

B05D 3/04 (2006.01); **B05D 3/02** (2006.01); **B05D 3/06** (2006.01)

CPC (source: EP KR US)

B05D 3/0209 (2013.01 - EP US); **B05D 3/0426** (2013.01 - EP US); **B08B 3/02** (2013.01 - KR); **B08B 13/00** (2013.01 - KR); **F24H 1/16** (2013.01 - KR); **B05D 3/0263** (2013.01 - EP US); **B05D 3/0486** (2013.01 - EP US); **B05D 3/068** (2013.01 - EP US); **B08B 2203/007** (2013.01 - KR)

Cited by

EP2808095A4; EP2466237A3; EP2225044B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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EP 1681102 A1 20060719; EP 1681102 B1 20110928; AT E526092 T1 20111015; CA 2530998 A1 20060713; CA 2530998 C 20111129; CN 1803313 A 20060719; CN 1803313 B 20101208; DE 102005001683 A1 20060727; DE 102005001683 B4 20100114; ES 2371480 T3 20120103; KR 20060082800 A 20060719; PL 1681102 T3 20120229; US 2006177595 A1 20060810

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