

Title (en)

ULTRAVIOLET DRYING METHOD FOR REPAIRING PAINT DEFECTS IN THE AUTOMOTIVE INDUSTRY

Title (de)

UV-TROCKNUNGSVERFAHREN ZUR REPARATUR VON LACKIERFEHLERN IN DER KRAFTFAHRZEUGINDUSTRIE

Title (fr)

PROCÉDÉ DE RÉPARATION DE DÉFAUTS DE PEINTURE DANS LE SECTEUR DE L'AUTOMOBILE PAR SÉCHAGE ULTRAVIOLET

Publication

EP 2186574 A1 20100519 (EN)

Application

EP 08805360 A 20080730

Priority

- ES 2008000531 W 20080730
- ES 200702301 A 20070809

Abstract (en)

The invention relates to a method comprising a step involving the drying of a primed filler, using UV-ray reflectors or heads positioned at a distance of between 100 mm and 1000 mm from the part to be repaired, emitting UV light with a wavelength of between 50 and 650 nm. Said wavelength can be obtained using mercury vapour, or alternatively gallium lamps. The following steps can be performed indiscriminately on the dried, retouched paint surface, namely: a step in which the repaired surface is varnished with UV varnish; a step in which the contour of the repaired surface is varnished with anti-fogging UV varnish; and a step in which the varnish layer is cured using ultraviolet radiation, all of said steps using UV-ray reflectors and heads.

IPC 8 full level

B05D 3/06 (2006.01); **B05D 5/00** (2006.01); **B05D 7/00** (2006.01)

CPC (source: EP ES)

B05D 3/061 (2013.01 - ES); **B05D 3/065** (2013.01 - EP); **B05D 5/005** (2013.01 - EP); **B05D 7/536** (2013.01 - EP); **B05D 3/12** (2013.01 - EP); **B05D 7/14** (2013.01 - EP)

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)

EP 2186574 A1 20100519; **EP 2186574 A4 20120104**; ES 2326301 A1 20091006; ES 2326301 B1 20100629; WO 2009027554 A1 20090305; WO 2009027554 A4 20090430

DOCDB simple family (application)

EP 08805360 A 20080730; ES 200702301 A 20070809; ES 2008000531 W 20080730