

Title (en)

Painted plastic material part and method for painting such a part

Title (de)

Lackiertes Werkstück aus Plastik und Lackierverfahren für dieses Werkstück

Title (fr)

Pièce peinte en matière plastique et procédé pour peindre une telle pièce

Publication

**EP 1985377 B1 20120104 (FR)**

Application

**EP 08153959 A 20080402**

Priority

FR 0754284 A 20070404

Abstract (en)

[origin: EP1985377A1] The process for painting a part (10) of fiber-reinforced plastic material e.g. sheet molding compound, comprises coating a surface (14) of the part with a primer coat (16), coating the primer coat with a lacquer coat (18) for revealing defect, inspecting the lacquer coat for detecting any defects, and coating the lacquer coat with a paint coat (19) providing a final finish to the part if any defect is not detected. If any defect is detected, then the process further comprises repairing an area comprising the defect, and coating the defect area by a second primer coat. The process for painting a part (10) of fiber-reinforced plastic material e.g. sheet molding compound, comprises coating a surface (14) of the part with a primer coat (16), coating the primer coat with a lacquer coat (18) for revealing defect, inspecting the lacquer coat for detecting any defects, and coating the lacquer coat with a paint coat (19) providing a final finish to the part if any defect is not detected. If any defect is detected, then the process further comprises repairing an area comprising the defect, coating the defect area by a second primer coat and then coating the second primer coat of a second lacquer coat, and coating the second lacquer coat for revealing defect with the paint providing a finish to the part. The lacquer coat is either coated with a lacquer finish coat or a base coat and then with a varnish finish. The primer coat is coated with the lacquer coat after a desolvation step of the primer coat and before hardening the primer coat. The primer coat and the lacquer coat are simultaneously hardened at a first hardening temperature (T 1). The part is heated at a second temperature (T 2) to harden the paint coat, where T 2 is greater than T 1. The hardened lacquer coat has a luster of 55-65 units of brightness, and a thickness of 20-30 mm. An independent claim is included for a painted plastic part.

IPC 8 full level

**B05D 1/38** (2006.01)

CPC (source: EP)

**B05D 5/005** (2013.01); **B05D 7/56** (2013.01)

Cited by

CN111601834A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1985377 A1 20081029; EP 1985377 B1 20120104**; AT E539822 T1 20120115; FR 2914568 A1 20081010; FR 2914568 B1 20090710

DOCDB simple family (application)

**EP 08153959 A 20080402**; AT 08153959 T 20080402; FR 0754284 A 20070404