

Title (en)

Method for determining the temperature of predrying of an electrodeposition paint

Title (de)

Verfahren zur Bestimmung der Vortrocknungstemperatur eines Elektrotauchlacks

Title (fr)

Procédé pour la détermination de la température de preséchage d'un vernis d'électrodéposition

Publication

EP 1333940 B1 20051228 (DE)

Application

EP 01988632 A 20011019

Priority

- DE 10052438 A 20001023
- EP 0112102 W 20011019

Abstract (en)

[origin: US7087146B2] A process for producing a multicoat system on a substrate, in which a) an electrodeposition coating film is deposited on the substrate, b) the electrodeposition coating film is predried by heating to a predrying temperature for a predetermined period, c) a coat of a surfacer is applied to the electrodeposition coating film, and d) the electrodeposition coating film and the coat of the surfacer are baked together at elevated temperatures, and in which the predrying temperature in step b) is equal to the temperature (T_{SUB}) or lies above the temperature (T_{SUB}) at which the loss factor $\tan \delta$, which is the quotient formed from the loss modulus E'' and the storage modulus E' , of the unbaked electrodeposition coating material shows a maximum, and the use of the resulting multicoat system.

IPC 1-7

B05D 7/00; **B05D 7/14**

IPC 8 full level

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US 2004094425 A1 20040520; **US 7087146 B2 20060808**; AT E314159 T1 20060115; AU 2362702 A 20020506; DE 10052438 A1 20020502; DE 10052438 C2 20021128; DE 50108583 D1 20060202; EP 1333940 A2 20030813; EP 1333940 B1 20051228; ES 2255580 T3 20060701; JP 2004513224 A 20040430; JP 4292007 B2 20090708; WO 0234418 A2 20020502; WO 0234418 A3 20021107

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