

Title (en)

Method of coating doors or door panels with synthetic resins.

Title (de)

Verfahren zur Kunststoffbeschichtung eines Tür- oder Torblattes, Torblattpaneels oder dergleichen.

Title (fr)

Procédé de revêtement avec des matières synthétiques de portes ou panneaux pour portes.

Publication

EP 0330237 B1 19940504 (DE)

Application

EP 89103329 A 19890224

Priority

DE 3805961 A 19880225

Abstract (en)

[origin: EP0330237A2] Method of coating a door panel or the like with synthetic resin, which panel is provided with a synthetic insulating filling inside a sheet-metal shell to be coated on the outside, the heat resistance of which filling lies below the temperature which is required for the melting or coating of the synthetic resin powder applied to the outside surfaces of the sheet-metal shell. To prevent excessive thermal loading of the insulating filling, the said method is distinguished by the fact that the melting or coating temperature is carried out so quickly and briefly after applying the coating synthetic resin powder by means of an energy radiation, in particular with the aid of one or more energy beams, that the melting or coating temperature is reached in the applied synthetic resin powder or the boundary zone of the sheet-metal shell to be coated without the insulating filling being heated beyond its heat resistance, an energy radiation source being moved over the outer surface provided with synthetic resin powder of the sheet-metal shell, which is in particular kept stationary.

IPC 1-7

B05D 3/06

IPC 8 full level

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

CPC (source: EP)

B05D 3/0263 (2013.01); **B05D 3/06** (2013.01); **B05D 3/067** (2013.01); **B05D 2401/32** (2013.01)

Cited by

EP0426904A1; AU651836B2; US5387442A; US6436485B1; WO9947276A1; WO2017018955A1; WO9201517A1; WO2007010302A3

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0330237 A2 19890830; **EP 0330237 A3 19910109**; **EP 0330237 B1 19940504**; AT E105214 T1 19940515; DE 3805961 A1 19890831; DE 3805961 C2 19940908; DE 58907591 D1 19940609; DK 173024 B1 19991115; DK 92889 A 19890826; DK 92889 D0 19890227; ES 2053831 T3 19940801

DOCDB simple family (application)

EP 89103329 A 19890224; AT 89103329 T 19890224; DE 3805961 A 19880225; DE 58907591 T 19890224; DK 92889 A 19890227; ES 89103329 T 19890224