

Title (en)

METHOD OF COATING DOORS OR DOOR PANELS WITH SYNTHETIC RESINS

Publication

**EP 0330237 A3 19910109 (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)

Citation (search report)

- [A] GB 2024658 A 19800116 - SHAW J G
- [A] US 4308296 A 19811229 - CHITOURAS COSTA G
- [A] PATENT ABSTRACTS OF JAPAN, Band 8, Nr. 168 (C-236)[1605], 3. August 1984; & JP-A-59 066 376 (DAINIPPON INSATSU K.K.) 14-04-1984

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