

Title (en)

Spray coating and drying method.

Title (de)

Sprühbeschichtungs- und Trocknungsverfahren.

Title (fr)

Procédé d'enduisage par pulvérisation et de séchage.

Publication

EP 0411585 A1 19910206 (EN)

Application

EP 90114712 A 19900731

Priority

- JP 18772590 A 19900716
- JP 20107489 A 19890801

Abstract (en)

Disclosed is a coating method involving a coating step and a drying step, in which the substrate is sprayed with a paint on its surface extending substantially upwardly and downwardly with the paint to form a coat in a thickness thicker than a thickness at which the paint starts sagging in the coating step and the coat formed on the substrate is dried at the drying step by rotating the substrate about its axis extending in a substantially horizontal and longitudinal direction of the substrate for a period of time ranging from the time when the paint coated starts sagging on the surface of the substrate extending substantially upwardly and downwardly to the time when the paint of the coated formed thereon achieves a substantially sagless state, the rotation of the substrate sprayed with the paint thereon being carried out at a speed which is high enough to rotate the substrate from a vertical position to a horizontal position before the paint coated thereon substantially sags due to gravity yet which is low enough so as to cause no sagging as a result of centrifugal force; and a cooling step for cooling the coat formed by spraying the substrate with the paint is provided immediately after the coating step yet before the drying step.

IPC 1-7

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CPC (source: EP)

B05B 13/0221 (2013.01); **B05D 1/002** (2013.01); **B05D 3/0272** (2013.01); **B05D 3/0426** (2013.01); **B05B 13/0452** (2013.01)

Citation (search report)

- [A] EP 0261644 A1 19880330 - MAZDA MOTOR [JP]
- [A] EP 0278482 A1 19880817 - MAZDA MOTOR [JP]

Cited by

CN104190566A; CN112420374A; DE4335986C2; EP0592067A1; CN113369041A; EP0688841A3; US6040009A; CN115709155A

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