

Title (en)

METHOD FOR POWDER COATING WOOD SUBSTRATES

Title (de)

VERFAHREN ZUM PULVERBESCHICHTEN VON HOLZSUBSTRATEN

Title (fr)

PROCÉDÉ DE REVÊTEMENT EN POUDRE DE SUBSTRATS EN BOIS

Publication

EP 2066456 B2 20140611 (DE)

Application

EP 07786677 A 20070814

Priority

- EP 2007007162 W 20070814
- DE 102006044959 A 20060922

Abstract (en)

[origin: WO2008034497A1] In the powder coating of wood substrates, there is the problem that on the one hand they must not become too hot and on the other hand the coating requires a certain temperature for crosslinking. With the known methods and devices, adequate crosslinking is not ensured. The object is to overcome this disadvantage. For this purpose, the freshly sprayed wood substrates (2) are pretreated by means of brief infrared radiation in such a way that the lacquer powder adheres to the wood substrates (2) and that the surfaces of the powder layer are pre-crosslinked. Then, the surfaces of the wood substrates (2) pretreated in this way are subjected to intensive hot air treatment, wherein the average temperature of the wood substrates (2) remains below 100°C.

IPC 8 full level

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Citation (opposition)

Opponent :

W. SAUTER ET AL: "Demonstrationsanlage zur umweltfreundlichen MDF-Pulverbeschih", INVESTITIONEN ZUR VERMINDERUNG VON UMWELTBELASTUNGEN, November 2004 (2004-11-01), pages 1 - 73

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