

Title (en)

Wooden material with conductive surface

Title (de)

Holzwerkstoff mit ableitfähiger Oberfläche

Title (fr)

Matériau à base de bois comprenant une surface conductrice

Publication

**EP 1681103 A2 20060719 (DE)**

Application

**EP 06000691 A 20060113**

Priority

DE 102005002059 A 20050114

Abstract (en)

A panel (A) of wooden material (WM), having a surface coating comprising an undercoat (applied to WM) and at least one lacquer layer (LL) hardened by UV-light or an electron beam (the overall thickness of the LL('s) being less than 120  $\mu$  m), includes at least one functional component (I), integrated in LL('s) or in the form of a functional layer which is external, under LL('s) or between at least two LL's. Independent claims are included for: (1) a panel (A') of WM, having a coating of lacquer on at least part of the side opposite to the surface coated; (2) a method for coating WM by applying at least two layers of UV-hardenable lacquer, where the first layer is subjected to UV treatment to start hardening of the lacquer, the second layer(s) is/are applied before the first layer has hardened completely and complete hardening of the second layer(s) using UV light is commenced after applying the last layer; and (3) apparatus for coating (specifically lacquering) panels, in which the panels are transported to and from a processing unit, the coating is applied and the coating is partially or completely hardened, where (a) application and hardening devices arranged in direct succession are combined to give a processing unit, (b) at least two such processing units are provided and (c) a processing unit for applying functional layer(s) is provided before, between or after processing units for applying at least two LL's.

IPC 8 full level

**B05D 7/06** (2006.01)

CPC (source: EP)

**B05D 7/06** (2013.01); **B44C 5/043** (2013.01); **D21H 27/28** (2013.01); **E04F 15/02** (2013.01); **B05D 5/12** (2013.01); **B05D 7/52** (2013.01); **B05D 2203/22** (2013.01); **B05D 2601/20** (2013.01); **E04F 2290/048** (2013.01)

Citation (applicant)

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- DE 20318290 U1 20040401 - KAINDL WALS M [AT]
- WO 2004050359 A1 20040617 - FLOORING IND LTD [IE], et al
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