

Title (en)  
METHOD FOR PRODUCING A DECORATIVE PANEL COMPRISING THE APPLICATION OF A FILM TO A SUBSTRATE BY MEANS OF ELECTROSTATIC CHARGING

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES DEKORPANEELS UMFASSEND DAS AUFBRINGEN EINER FOLIE AUF EINEN TRÄGER MITTELS ELEKTROSTATISCHER BELADUNG

Title (fr)  
PROCÉDÉ DE PRODUCTION D'UN PANNEAU DÉCORATIF COMPRENANT L'APPLICATION D'UN FILM SUR UN SUBSTRAT AU MOYEN D'UNE CHARGE ÉLECTROSTATIQUE

Publication  
**EP 4121301 A1 20230125 (DE)**

Application  
**EP 21709743 A 20210310**

Priority  
• EP 20164611 A 20200320  
• EP 2021056103 W 20210310

Abstract (en)  
[origin: CA3174470A1] The present invention proposes a method for producing a decorative panel comprising the application of a film (12) to a substrate (14), having the method steps: a) providing a substrate (14) that is to be provided with the film (12), b) providing a film (12), and c) applying the film (12) to at least one subregion of the substrate (14), wherein d) the film (12) is electrostatically charged before being applied to the substrate (14), wherein e) the substrate (14) is electrostatically charged before the film (12) is applied to the substrate (14), wherein f) the electrostatic charging of the substrate (14) and of the film (12) is performed such that the film (12) and the substrate (14) are oppositely electrostatically charged, g) introducing locking means at edges of the substrate (14), and h) applying a decoration to the substrate (14) before the film (12) is applied to the substrate (14), or applying a decoration to the film (12).

IPC 8 full level  
**B44C 1/10** (2006.01); **B44C 5/04** (2006.01)

CPC (source: EP KR US)  
**B32B 38/0008** (2013.01 - US); **B32B 38/145** (2013.01 - US); **B44C 1/10** (2013.01 - EP KR US); **B44C 5/04** (2013.01 - EP KR US); **B32B 2310/025** (2013.01 - EP KR); **B32B 2451/00** (2013.01 - US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 3882040 A1 20210922**; BR 112022016154 A2 20221004; CA 3174470 A1 20210923; CN 115315358 A 20221108; EP 4121301 A1 20230125; KR 20220151682 A 20221115; MX 2022011661 A 20221027; US 2023347684 A1 20231102; WO 2021185656 A1 20210923

DOCDB simple family (application)  
**EP 20164611 A 20200320**; BR 112022016154 A 20210310; CA 3174470 A 20210310; CN 202180022505 A 20210310; EP 2021056103 W 20210310; EP 21709743 A 20210310; KR 20227035113 A 20210310; MX 2022011661 A 20210310; US 202117911486 A 20210310