

Title (en)
Method for the manufacture of digitally printed substrates

Title (de)
Verfahren zur Herstellung von digital bedruckten Substraten

Title (fr)
Procédé pour la fabrication de substrats imprimés numériquement

Publication
EP 2789476 A1 20141015 (EN)

Application
EP 13305458 A 20130409

Priority
EP 13305458 A 20130409

Abstract (en)
The present invention concerns a method for the manufacture of wood fiber or mineral fiber based decorative substrates (1), comprising the steps of: (a) coating a substrate (2) with a liquid reactive composition which can be digitally printed on after drying; (b) drying the reactive composition coated onto the substrate so as to form a basic layer (3) having a permeability such that it may adsorb and release any condensation products formed during step (d) and (e); (c) digitally printing a decor (4) onto the basic layer using a liquid ink ; (d) drying or curing the liquid ink forming the digitally printed decor; and (e) coating the digitally printed decor with an overlay (5) at conditions which ensure curing of both the basic layer and the overlay. The invention further concerns a floor panel or board (1) obtainable by a method according to the invention.

IPC 8 full level
B44C 5/04 (2006.01); **B41M 5/00** (2006.01)

CPC (source: EP)
B41M 5/0017 (2013.01); **B41M 5/0076** (2013.01); **B44C 5/04** (2013.01); **B41M 5/0047** (2013.01)

Citation (applicant)
WO 2010084386 A2 20100729 - FLOORING IND LTD SARL [LU], et al

Citation (search report)
• [XA] US 2004086678 A1 20040506 - CHEN HAO A [US], et al
• [XA] EP 1837449 A2 20070926 - FICHTNER RENATE [DE]
• [A] EP 1902849 A1 20080326 - FUJIFILM CORP [JP]
• [A] WO 02085638 A1 20021031 - 3M INNOVATIVE PROPERTIES CO [US]
• [A] US 6034166 A 20000307 - JACKSON MICHAEL L [US], et al

Cited by
US2018086027A1; CN108136814A; RU2731530C2; CN107873001A; RU2711683C2; US10960644B2; WO2017067978A1; WO2016156506A1; US11203224B2; US11697303B2

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

DOCDB simple family (publication)
EP 2789476 A1 20141015; DK 2983922 T3 20190909; EP 2983922 A1 20160217; EP 2983922 B1 20190612; ES 2744807 T3 20200226; HR P20191575 T1 20191129; PL 2983922 T3 20200131; PT 2983922 T 20190926; SI 2983922 T1 20191030; WO 2014166961 A1 20141016

DOCDB simple family (application)
EP 13305458 A 20130409; DK 14716795 T 20140408; EP 14716795 A 20140408; EP 2014057084 W 20140408; ES 14716795 T 20140408; HR P20191575 T 20190902; PL 14716795 T 20140408; PT 14716795 T 20140408; SI 201431347 T 20140408