

Title (en)
METHOD OF PRODUCING A BUILDING PANEL USING DIGITAL PRINTING

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER BAUPLATTE DURCH DIGITALDRUCK

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN PANNEAU DE BÂTIMENT PAR IMPRESSION NUMÉRIQUE

Publication
EP 2925529 A4 20160713 (EN)

Application
EP 13857806 A 20131127

Priority

- SE 1251350 A 20121128
- US 201261730699 P 20121128
- SE 2013051401 W 20131127

Abstract (en)
[origin: WO2014084787A1] The present invention relates to a method of producing a building panel (1) such as a floor panel, comprising providing a carrier (3) comprising a thermoplastic material, applying a primer comprising at least one salt, preferably a metal salt, on a first surface of the carrier (3), printing by means of digital printing a first print (10) on said first surface of the carrier (3) with an aqueous pigment ink composition, and applying a protective layer (4) on the carrier (3) and applying the carrier (3) on a core (2) comprising a thermoplastic material, and pressing by applying heat and pressure the protective layer (4), the carrier (3) and the core (2) together to form a building panel (1). The present invention also relates to a method for forming a decorative substrate.

IPC 8 full level
B41M 1/30 (2006.01); **E04F 15/10** (2006.01)

CPC (source: EP)
B41M 5/0041 (2013.01); **B44C 5/04** (2013.01); **B41M 5/0017** (2013.01); **B41M 5/0047** (2013.01); **B41M 5/0064** (2013.01); **B41M 7/00** (2013.01); **B41M 7/0027** (2013.01); **E04F 15/107** (2013.01)

Citation (search report)

- [Y] US 4554200 A 19851119 - CAINES R SCOTT [US]
- [Y] EP 0739743 A1 19961030 - SEIKO EPSON CORP [JP]
- [Y] EP 1041126 A2 20001004 - SEIKO EPSON CORP [JP]
- [Y] US 2010231671 A1 20100916 - ANTON WAIFONG LIEW [US], et al
- [Y] WO 2012004701 A2 20120112 - FLOORING IND LTD SARL [LU], et al
- [Y] JP 2006281538 A 20061019 - SEIKO EPSON CORP
- See references of WO 2014084787A1

Cited by
CN110053383A; EP4050073A1; WO2022179880A1; EP4050072A1; WO2022179879A1

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

DOCDB simple family (publication)
WO 2014084787 A1 20140605; CN 104822533 A 20150805; CN 104822533 B 20170630; EP 2925529 A1 20151007; EP 2925529 A4 20160713; EP 2925529 B1 20200819; KR 102193522 B1 20201221; KR 20150088871 A 20150803

DOCDB simple family (application)
SE 2013051401 W 20131127; CN 201380061754 A 20131127; EP 13857806 A 20131127; KR 20157017046 A 20131127