

Title (en)

METHOD FOR PRODUCING A POLYMER LAMINATE COMPRISING A PLASMA PROCESSING ACTIVATION STEP

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES POLYMERLAMINATS MIT EINEM PLASMAVERARBEITUNGSAKTIVIERUNGSSCHRITT

Title (fr)

PROCEDE DE FABRICATION DE STRATIFIE POLYMERE COMPORTANT UNE ETAPE D'ACTIVATION PAR TRAITEMENT PLASMA

Publication

EP 2203309 A2 20100707 (FR)

Application

EP 08843874 A 20081021

Priority

- FR 2008051892 W 20081021
- FR 0758474 A 20071022

Abstract (en)

[origin: WO2009056723A2] The invention relates to a method for producing a laminate comprising at least two polymer layers, a layer (A) and a layer (B), which are fixed to each other by at least one aqueous-type adhesive polymer material layer (C). Said method is characterised in that: (a) it optionally consists of a step of pre-cleaning substrate layer (A) and/or substrate layer (B), by oxidising or reducing continuous atmospheric cold plasma processing pre-cleaning; (b) the plasma is either (i) oxidising or reducing when the layer is a polymer layer having a shore D of strictly between 35 and 60 or when the layer is a polymer layer having a shore D > or = 60 and the distance between the plasma source and the surface of the layer to be activated is < or = 3 cm, and (ii) the plasma is reducing when the layer is a polymer layer having a shore D > or = 60 and the distance between the plasma source and the surface of the layer to be activated is > 3 cm, substrate layers (A) and (B) being identical or different and formed by non-exudant polymers.

IPC 8 full level

B32B 38/00 (2006.01)

CPC (source: EP KR US)

A43B 13/04 (2013.01 - KR); **A43B 13/386** (2013.01 - EP KR US); **A43B 17/006** (2013.01 - EP KR US); **B32B 7/12** (2013.01 - KR); **B32B 17/10** (2013.01 - KR); **B32B 27/06** (2013.01 - KR); **B32B 38/0008** (2013.01 - EP KR US); **B32B 38/162** (2013.01 - EP KR US); **B32B 2323/00** (2013.01 - EP KR US); **B32B 2367/00** (2013.01 - EP KR US); **B32B 2377/00** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2009056723A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2922478 A1 20090424; **FR 2922478 B1 20141212**; BR PI0818716 A2 20150422; CN 101909891 A 20101208; CN 101909891 B 20150513; EP 2203309 A2 20100707; JP 2011501710 A 20110113; KR 101506056 B1 20150325; KR 20100090271 A 20100813; MX 2010004354 A 20100706; TW 200936377 A 20090901; TW I471225 B 20150201; US 2010288435 A1 20101118; WO 2009056723 A2 20090507; WO 2009056723 A3 20090625

DOCDB simple family (application)

FR 0758474 A 20071022; BR PI0818716 A 20081021; CN 200880122364 A 20081021; EP 08843874 A 20081021; FR 2008051892 W 20081021; JP 2010530521 A 20081021; KR 20107011192 A 20081021; MX 2010004354 A 20081021; TW 97140292 A 20081021; US 73918908 A 20081021