

Title (en)

Embossing-laminating unit and embossing method

Title (de)

Prägungslaminiereinheit und Prägeverfahren

Title (fr)

Unité de gaufrage-stratification et procédé de gaufrage

Publication

EP 2191959 B1 20160127 (EN)

Application

EP 09425478 A 20091123

Priority

IT FI20080229 A 20081125

Abstract (en)

[origin: EP2191959A1] The embossing - laminating unit (1), comprises: a first embossing roller (3) provided with a series of first embossing protuberances (3P); a first pressure roller (5), cooperating with said first embossing roller to emboss a first ply (V1) of web material; a second embossing roller (9) provided with a series of second embossing protuberances (9P); a second pressure roller (11), cooperating with said second embossing roller to emboss a second ply (V2) of web material; a glue applicator (7), cooperating with said first embossing roller (3); a laminating roller (15), cooperating with said second embossing roller (9); The laminating roller is provided with protuberances (15P) in phase with at least some of the first protuberances of the first embossing roller in order to generate a laminating effect in correspondence of areas of the first ply embossed by the first embossing roller.

IPC 8 full level

B31F 1/07 (2006.01)

CPC (source: EP)

B31F 1/07 (2013.01); **B31F 2201/0738** (2013.01); **B31F 2201/0748** (2013.01); **B31F 2201/0764** (2013.01); **B31F 2201/0774** (2013.01); **B31F 2201/0787** (2013.01)

Cited by

US9730839B2; US9808827B2; US10729593B2; US8186296B2; US8574668B2; US8742197B2

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2191959 A1 20100602; **EP 2191959 B1 20160127**; ES 2562956 T3 20160309; IT FI20080229 A1 20100526; PL 2191959 T3 20160729

DOCDB simple family (application)

EP 09425478 A 20091123; ES 09425478 T 20091123; IT FI20080229 A 20081125; PL 09425478 T 20091123