

Title (en)
EXPANDABLE LAMINATE, EXPANDED LAMINATE, A PROCESS FOR FORMING THE EXPANDABLE LAMINATE, AND USES OF THE LAMINATES

Title (de)
EXPANDIERBARES LAMINAT, EXPANDIERTES LAMINAT, VERFAHREN ZUR HERSTELLUNG DES EXPANDIERBAREN LAMINATS UND VERWENDUNGEN DER LAMINATE

Title (fr)
STRATIFIÉ EXPANSIBLE, STRATIFIÉ EXPANSÉ, PROCÉDÉ DE FORMATION DU STRATIFIÉ EXPANSIBLE ET UTILISATION DES STRATIFIÉS

Publication
EP 2988937 A1 20160302 (EN)

Application
EP 13882657 A 20130424

Priority
SE 2013050442 W 20130424

Abstract (en)
[origin: WO2014175792A1] An expandable laminate, comprising at least two paper layers and at least one intermediate expandable layer, said expandable layer comprising expandable particles, which are in an unexpanded state, and each side of the expandable layer being attached to a surface of one of the at least two paper layers by an adhesive coating that has been applied onto the paper layer surface, thus leaving the expandable layer substantially free from adhesive, an expanded laminate, obtained by heat treatment of said expandable laminate, a process for forming the laminate comprising the steps of applying an adhesive to one side of a first paper layer to form an adhesive coating; applying dry expandable particles, which are in an unexpanded state, onto the first paper layer; removing any surplus of expandable particles not being adhesively attached to the first paper layer; applying an adhesive to one side of a second paper layer to form an adhesive coating; assembling the first and second paper layers so that the expandable particles are positioned between the paper layers, thus forming an intermediate expandable layer, and the of the laminate in the manufacture of packages or containers, or in the manufacture of building panels.

IPC 8 full level
B32B 29/04 (2006.01); **B32B 5/16** (2006.01); **B32B 27/10** (2006.01); **B32B 37/24** (2006.01); **B65D 65/40** (2006.01)

CPC (source: EP)
B32B 5/16 (2013.01); **B32B 7/12** (2013.01); **B32B 15/20** (2013.01); **B32B 27/304** (2013.01); **B32B 27/306** (2013.01); **B32B 27/32** (2013.01); **B32B 29/04** (2013.01); **B29K 2105/048** (2013.01); **B29L 2009/00** (2013.01); **B29L 2031/712** (2013.01); **B32B 37/06** (2013.01); **B32B 37/12** (2013.01); **B32B 2038/0084** (2013.01); **B32B 2255/12** (2013.01); **B32B 2307/518** (2013.01); **B32B 2307/718** (2013.01); **B32B 2307/7244** (2013.01); **B32B 2317/12** (2013.01); **B32B 2419/00** (2013.01); **B32B 2439/00** (2013.01); **B32B 2439/70** (2013.01); **B32B 2553/02** (2013.01); **B32B 2607/00** (2013.01); **E04C 2/296** (2013.01)

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)
WO 2014175792 A1 20141030; EP 2988937 A1 20160302; EP 2988937 A4 20161221

DOCDB simple family (application)
SE 2013050442 W 20130424; EP 13882657 A 20130424