

Title (en)  
LAMINATED ARTICLES HAVING DISCONTINUOUS BONDED REGIONS

Title (de)  
BESCHICHTETE ARTIKEL MIT DISKONTINUIERLICHEN HAFTBEREICHEN

Title (fr)  
ARTICLES STRATIFIÉS PRÉSENTANT DES RÉGIONS COLLÉES DISCONTINUES

Publication  
**EP 2971328 A1 20160120 (EN)**

Application  
**EP 14768124 A 20140313**

Priority  
• US 201313843682 A 20130315  
• US 2014025236 W 20140313

Abstract (en)  
[origin: WO2014151223A1] Laminated articles that include a first textile and a functional film layer bonded together by an adhesive layer having a non-uniform adhesive pattern is provided. The non-uniform adhesive pattern creates regions free or substantially free of adhesive that permits the laminate to preferentially bend in those regions. The adhesive regions, together with the non-adhesive regions, create a visible pattern on the surface of the laminate. A second textile may optionally be bonded to the functional film layer opposing the first textile by an adhesive. The first textile or the film layer may be elastic, shrinkable, or expandable. In such embodiments, raised portions of the laminate corresponding to the non-adhesive regions and curled portions corresponding to the adhesive regions are visible. The laminated article is waterproof, liquid-proof, breathable, and aesthetically pleasing and demonstrates a reduction in stiffness, improved insulation properties, improved stretch properties and a reduction of noise associated with bending the article.

IPC 8 full level  
**B32B 5/04** (2006.01); **B32B 7/14** (2006.01); **B32B 27/12** (2006.01)

CPC (source: EP US)  
**A41D 31/102** (2019.01 - EP US); **A41D 31/185** (2019.01 - EP US); **B32B 5/24** (2013.01 - EP US); **B32B 7/12** (2013.01 - EP);  
**B32B 2437/00** (2013.01 - EP)

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 2014151223 A1 20140925**; CA 2901140 A1 20140925; CN 105051286 A 20151111; EP 2971328 A1 20160120; EP 2971328 A4 20170503; HK 1217357 A1 20170106; JP 2016517364 A 20160616; KR 20150110701 A 20151002; RU 2015144310 A 20170421

DOCDB simple family (application)  
**US 2014025236 W 20140313**; CA 2901140 A 20140313; CN 201480015801 A 20140313; EP 14768124 A 20140313; HK 16105260 A 20160509; JP 2016501792 A 20140313; KR 20157022666 A 20140313; RU 2015144310 A 20140313