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CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: SURFACE TREATED FILM AND/OR LAMINATE

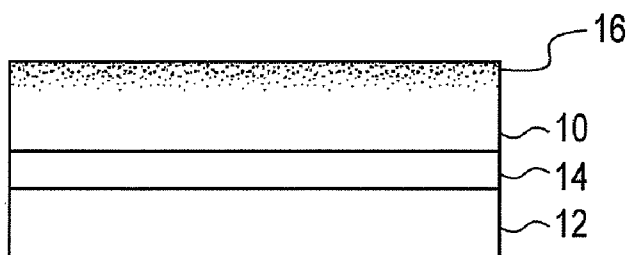


FIG. 1

(57) Abstract: A surface treatment for a protective plastic film and/or laminate is disclosed. In certain versions, the surface treatment includes coating a major surface of the plastic film or laminate with a curable coating formulation wherein one or more of the coating ingredients are diffused or migrated at least partially into the plastic film or plastic laminate. The migration of coating ingredients creates a gradual transition layer from the plastic film to the coating layer and leads to unique properties. In other versions, diffusion does not occur and a relatively sharp interface is defined between the coating formulation and the plastic film. Optionally, the surface treated plastic film is laminated to a release liner coated with a pressure sensitive adhesive (PSA) to form the aforementioned laminate.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2012/032746

A. CLASSIFICATION OF SUBJECT MATTER INV. B32B7/12 B32B27/08 B32B27/36 B32B27/40 C08L75/14 C08J7/04 C09D175/14 ADD. According to International Patent Classification (IPC) or to both national classification and IPC														
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) B32B C08L C08J C09D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal, WPI Data														
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Category*</th> <th style="width: 70%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width: 20%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: top;">X</td> <td style="vertical-align: top;"> WO 2010/135545 A1 (AVERY DENNISON CORP [US]; SHI MING KUN [US]; HOLGUIN DANIEL L [US]; LI) 25 November 2010 (2010-11-25) paragraphs [0060], [0062] - [0064], [0065] - [0066]; claims 1,3,5-8,10-11,24,30 ----- </td> <td style="text-align: center; vertical-align: top;">1-23</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">X</td> <td style="vertical-align: top;"> US 2005/009945 A1 (WENNING ANDREAS [DE] ET AL) 13 January 2005 (2005-01-13) paragraphs [0044], [0050], [0053], [0091] - [0092]; claim 1 ----- </td> <td style="text-align: center; vertical-align: top;">1-4</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">X,P</td> <td style="vertical-align: top;"> WO 2011/146188 A1 (AVERY DENNISON CORP [US]; SHI MING KUN [US]; DINESCU LIVIU [US]; AKHTE) 24 November 2011 (2011-11-24) paragraph [0133]; figure 1; example 1 ----- -/- </td> <td style="text-align: center; vertical-align: top;">1-23</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	WO 2010/135545 A1 (AVERY DENNISON CORP [US]; SHI MING KUN [US]; HOLGUIN DANIEL L [US]; LI) 25 November 2010 (2010-11-25) paragraphs [0060], [0062] - [0064], [0065] - [0066]; claims 1,3,5-8,10-11,24,30 -----	1-23	X	US 2005/009945 A1 (WENNING ANDREAS [DE] ET AL) 13 January 2005 (2005-01-13) paragraphs [0044], [0050], [0053], [0091] - [0092]; claim 1 -----	1-4	X,P	WO 2011/146188 A1 (AVERY DENNISON CORP [US]; SHI MING KUN [US]; DINESCU LIVIU [US]; AKHTE) 24 November 2011 (2011-11-24) paragraph [0133]; figure 1; example 1 ----- -/-	1-23
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Date of the actual completion of the international search 17 October 2012		Date of mailing of the international search report 02/11/2012												
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Scheuer, Sylvie												

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International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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E	WO 2012/122206 A1 (AVERY DENNISON CORP [US]; SHI MING KUN [US]; LI KAI [US]) 13 September 2012 (2012-09-13) paragraphs [0071] - [0072]; claims 1,3,8,11 -----	1-23

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