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(54) Title: LAYERED STRUCTURES AND ARTICLES PREPARED THEREFROM

(57) Abstract: The invention provides a layered structure comprising at least two layers: A) a first layer A, formed from a composition A, comprising a polyurethane; and B) a second layer B, formed from a composition B, comprising at least one functionalized polymer B comprising the following: i) at least one polymerized monomeric unit comprising a functional group selected from the group consisting of the following: a) an acid group, b) an anhydride group, c) a primary or secondary amine group, and d) combinations thereof; or ii) at least one reacted functionalization agent comprising a functional group selected from the group consisting of the following: e) an acid group, f) an anhydride group, g) a primary or secondary amine group, and h) combinations thereof; or iii) combinations thereof; and wherein the functionalized polymer B has a number-average molecular weight greater than 1,000 g/mole, and/or a melt index (I2) less than, or equal to, 2500 g/10 min.



**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2012/056002

**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. C09J175/04 B32B7/12 B32B15/085 B32B27/08 B32B27/32  
 B32B27/40 C08L23/08 C08L23/26  
 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)  
 C09J B32B C08L

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**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 630 237 B2 (RIVETT JANET W [US] ET AL) 7 October 2003 (2003-10-07) column 1, lines 8-11; examples 3-8 -----	1-15
X	JP 2010 036413 A (TOSOH CORP) 18 February 2010 (2010-02-18) cited in the application paragraphs [0045], [0052] - [0053]; claim 1; example 1 -----	1-15
A	EP 2 233 285 A1 (3A TECHNOLOGY & MAN AG [CH]) 29 September 2010 (2010-09-29) paragraphs [0001], [0032], [0033] -----	1-15

Further documents are listed in the continuation of Box C.

See patent family annex.

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Date of the actual completion of the international search <b>29 August 2013</b>	Date of mailing of the international search report <b>04/09/2013</b>
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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 <b>Bezard, Stéphane</b>
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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