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(54) Title: METHOD OF PROMOTING ADHESION AND BONDING OF STRUCTURES AND STRUCTURES PRODUCED THEREBY

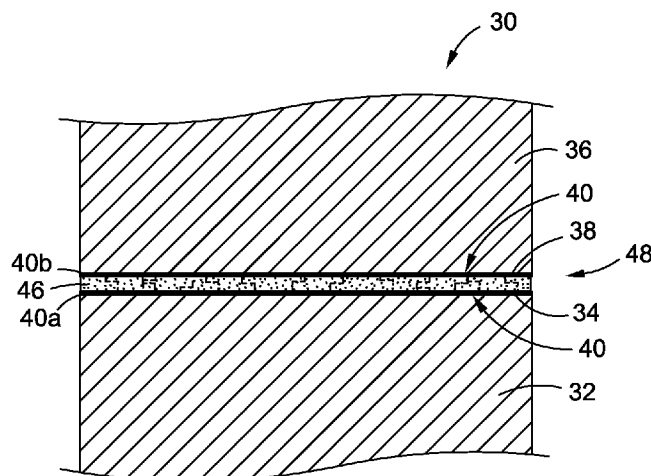


FIG. 2B

(57) Abstract: The disclosure provides in one embodiment a method of promoting adhesion on a composite surface. The method comprises providing a composite structure having at least one composite surface to be bonded. The method further comprises preparing the at least one composite surface. The method further comprises providing a chemical derivatization compound containing active functional groups that promote adhesion. The method further comprises depositing the chemical derivatization compound on the prepared composite surface to form a functional group-adhesive promoter derivatized layer. The method further comprises applying an adhesive layer to the derivatized layer. The method further comprises heat curing the adhesive layer to result in a bond with another structure made of a composite, a metal, or a combination thereof.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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, CHEM ABS 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 2006/051605 A1 (WANG YEE Y [US] ET AL WANG YEE YANG [US] ET AL) 9 March 2006 (2006-03-09) paragraph [0018] paragraph [0024] paragraph [0033] claims 1,15-26 -----	1,2,6,7, 13
A	US 2008/299402 A1 (KAWAGUCHI MASAO [JP] ET AL) 4 December 2008 (2008-12-04) paragraph [0088] claims 1,8,9 -----	1-13
A	US 2005/072335 A1 (ZHANG YUE S [US] ET AL) 7 April 2005 (2005-04-07) paragraph [0013] example 1 -----	1-13



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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