

Title (en)  
HIGH STRENGTH AND HIGH ELASTICITY COMPOSITE MATERIALS AND METHODS OF REINFORCING SUBSTRATES WITH THE SAME

Title (de)  
VERBUNDATERIALIEN VON HOHER FESTIGKEIT UND HOHER ELASTIZITÄT SOWIE VERFAHREN ZUR VERSTÄRKUNG VON SUBSTRATEN DAMIT

Title (fr)  
MATÉRIAUX COMPOSITES TRÈS RÉSISTANTS ET TRÈS ÉLASTIQUES ET PROCÉDÉS UTILISANT CES MATÉRIAUX COMPOSITES POUR RENFORCER DES SUBSTRATS

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Application  
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Abstract (en)  
[origin: WO2012078664A1] In accordance with various embodiments of the disclosed subject matter, a composite material is provided. The composite material in accordance with some embodiments of the disclosed subject matter includes a high tenacity fiber reinforced polymer fabric and a polyurea coating layer formed on at least one surface of the polymer fabric. The composite material provides significant strength, flexibility, and energy dissipation. In some embodiments, the composite material can be used to reinforce structural and non-structural substrates.

IPC 8 full level  
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Designated contracting state (EPC)  
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