

Title (en)  
INTERNALLY REINFORCED STRUCTURAL COMPOSITES AND ASSOCIATED METHODS OF MANUFACTURING

Title (de)  
INTERN VERSTÄRKTE STRUKTURVERBUNDSTOFFE SOWIE HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
COMPOSITES STRUCTURAUX INTÉRIEUREMENT RENFORCÉS ET PROCÉDÉS DE FABRICATION ASSOCIÉS

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Abstract (en)  
[origin: WO2011028233A2] In one embodiment of the present invention, a system for providing a renewable source of material resources is provided comprising: a first source of renewable energy; first stream of materials from a first materials source; an electrolyzer coupled to the first source of renewable energy and the first stream of materials, wherein the electrolyzer is configured to produce a first material resource by electrolysis; a processor for further processing or use or the material resource to produce a second material resource, wherein the processor comprises a solar collector and where the solar collector is configured to provide heat to the first materials resource for disassociation; and a material resource storage coupled to the electrolyzer for receiving the material resource from the electrolyzer or providing the material resource to the processor for further processing or use.

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