

Title (en)  
SYSTEMS AND METHODS FOR SUSTAINABLE ECONOMIC DEVELOPMENT THROUGH INTEGRATED FULL SPECTRUM PRODUCTION OF RENEWABLE ENERGY

Title (de)  
SYSTEME UND VERFAHREN FÜR NACHHALTIGE ÖKONOMISCHE ENTWICKLUNG DURCH INTEGRIERTE VOLLSPKTRUMSHERSTELLUNG DURCH ERNEUERBARE ENERGIEN

Title (fr)  
SYSTÈMES ET PROCÉDÉS DE DÉVELOPPEMENT ÉCONOMIQUE DURABLE PAR PRODUCTION À SPECTRE COMPLET INTÉGRÉ D'ÉNERGIE RENOUVELABLE

Publication  
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Application  
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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 of 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.

IPC 8 full level  
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