

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5770584

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	NATIONAL RENEWABLE ENERGY LABORATORY	03/01/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	UNITED STATES DEPARTMENT OF ENERGY	
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<b>City:</b>	WASHINGTON	
<b>State/Country:</b>	D.C.	
<b>Postal Code:</b>	20585	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15445105
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<b>ATTORNEY DOCKET NUMBER:</b>	15-445105 CAR	
<b>NAME OF SUBMITTER:</b>	CYNTHIA RIDGE	
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<b>DATE SIGNED:</b>	10/15/2019	
<b>Total Attachments: 1</b>		
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Application for: Materials For Flow Battery Energy Storage and Methods of Using  
Inventor(s): Thomas Gennett et al.  
Serial No.: 15/445,105  
Filing Date: February 28, 2017  
Contract No.: DE-AC36-08GO28308  
Contractor: Alliance for Sustainable Energy, LLC

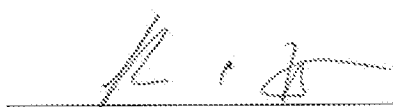
The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the Subject Invention has been submitted to the U.S. Department of Energy.

The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for or on behalf of the United States the Subject Invention throughout the world. This license applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 12<sup>th</sup> day of March, 2017.

  
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John C. Stolpa  
Associate General Counsel,  
Intellectual Property