

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STEVEN Y. REECE	04/16/2016
JOHN GOELTZ	04/13/2016
JOSEPH JOHANNES HENRICUS PIJPERS	04/18/2016
PARAVASU BADRINARAYANAN	04/23/2016
RECEIVING PARTY DATA	
Name:	LOCKHEED MARTIN ADVANCED ENERGY STORAGE, LLC
Street Address:	6801 ROCKLEDGE DRIVE
City:	BETHESDA
State/Country:	MARYLAND
Postal Code:	20817-1877
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16509157
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	106412.300543/AE00022USD1
NAME OF SUBMITTER:	FAITH A. POORE
SIGNATURE:	/Faith A. Poore/
DATE SIGNED:	08/05/2019
Total Attachments: 5	
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ASSIGNMENT

WHEREAS Undersigned, Steven Y. REECE of 105 Henry Street, Cambridge, Massachusetts 02139, John GOELTZ of 340 Corona Road, Carmel, California 93923, Joseph Johannes Henricus PIPERS of 21 Granville Road #2, Cambridge, Massachusetts 02138, and Paravastu BADRINARAYANAN of 13411 Belle Helene Circle, Cypress, Texas 77429 has made a certain invention as set forth in an application for United States Letters Patent, entitled FLOW BATTERY BALANCING CELLS HAVING A BIPOLAR MEMBRANE FOR SIMULTANEOUS MODIFICATION OF A NEGATIVE ELECTROLYTE SOLUTION AND A POSITIVE ELECTROLYTE SOLUTION, filed on April 13, 2016, and identified by United States Patent Application No. 15/098,273, and Undersigned authorizes and requests the practitioners of McDermott Will & Emery LLP to insert the filing date and application number of the application, when known;

AND WHEREAS, LOCKHEED MARTIN ADVANCED ENERGY STORAGE, LLC ("Assignee"), a corporation of Maryland and having an address of 6801 Rockledge Drive, Bethesda, Maryland 20817-1877, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Undersigned does hereby sell, assign, transfer and set over unto Assignee the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any non-provisional, continuations, continuations-in-part, divisions, reissues, re-examinations, and extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, Undersigned hereby agrees with Assignee that Undersigned will not execute any writing or do any act whatsoever conflicting with these presents, and that Undersigned will, at any time upon request, without further or additional consideration but at the expense of Assignee, execute such additional assignments and other writings and do such additional acts as Assignee may deem necessary or desirable to perfect Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, non-provisional, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States and of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of the assignor and assignee; AND Assignee may at its sole discretion assign its right, title and interest or any portion thereof to its legal representatives, successors, and assigns;

AND Undersigned requests the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Docket No.: 086735-0406

4-13-16

Date



Steven Y. REECE

Date

John GOELTZ

Date

Joseph Johannes Henricus PIPERS

Date

Paravastu BADRINARAYANAN

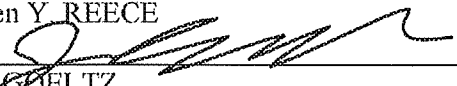
Docket No.: 086735-0406

Date

April 13, 2016

Date

Steven Y. REECE

John  GOELTZ

Date

Joseph Johannes Henricus PIJPERS

Date

Paravastu BADRINARAYANAN

Docket No.: 086735-0406

Date	Steven Y. REECE
Date	John GOELTZ
Date	<i>07/11/2006</i> Joseph Johannes Henricus PIPERS
Date	Paravastu BADRINARAYANAN

Docket No.: 086735-0406

Date	Steven Y. REECE
Date	John GOELTZ
Date	Joseph Johannes Henricus PIPERS
Date	<i>P. Badrinathan</i>
Date	Paravastu BADRINARAYANAN