

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5153592

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the WRONG APPLICATION NO. 15397071 TO THE CORRECT NO. 15297071 previously recorded on Reel 045349 Frame 0108. Assignor(s) hereby confirms the CHANGE OF NAME.
RESUBMIT DOCUMENT ID:	504845002

CONVEYING PARTY DATA

Name	Execution Date
LOCKHEED MARTIN ADVANCED ENERGY STORAGE, LLC	01/17/2018

RECEIVING PARTY DATA

Name:	LOCKHEED MARTIN ENERGY, LLC
Street Address:	6801 ROCKLEDGE DRIVE
City:	BETHESDA
State/Country:	MARYLAND
Postal Code:	20817

PROPERTY NUMBERS Total: 37

Property Type	Number
Application Number:	62435376
Application Number:	62488644
Application Number:	62515476
Application Number:	62535797
Application Number:	15024344
Application Number:	15025225
Application Number:	15029246
Application Number:	15033607
Application Number:	15027229
Application Number:	15027228
Application Number:	14963147
Application Number:	15060493
Application Number:	15060495
Application Number:	15071047
Application Number:	15076538
Application Number:	15090506
Application Number:	15093598

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Property Type	Number
Application Number:	15093604
Application Number:	15093606
Application Number:	15098273
Application Number:	15098276
Application Number:	15143344
Application Number:	15157223
Application Number:	15164827
Application Number:	15167926
Application Number:	15240975
Application Number:	15240990
Application Number:	15289063
Application Number:	15297071
Application Number:	15360918
Application Number:	15364206
Application Number:	15379418
Application Number:	15387594
Application Number:	15399680
Application Number:	15465502
Application Number:	15469430
Application Number:	15802345

CORRESPONDENCE DATA

Fax Number: (714)830-0700

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (714) 830-0600

Email: wendy.jones@morganlewis.com, ocipdocket@morganlewis.com

Correspondent Name: MARK J. ITRI

Address Line 1: 600 ANTON BOULEVARD

Address Line 2: SUITE 1800 (MORGAN LEWIS)

Address Line 4: COSTA MESA, CALIFORNIA 92626

ATTORNEY DOCKET NUMBER:	086735-0010
NAME OF SUBMITTER:	MARK J. ITRI, REG. NO. 36,171
SIGNATURE:	/Mark J. Itri/
DATE SIGNED:	09/21/2018

Total Attachments: 6

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME
CONVEYING PARTY DATA	
Name	Execution Date
LOCKHEED MARTIN ADVANCED ENERGY STORAGE, LLC	01/17/2018
RECEIVING PARTY DATA	
Name:	LOCKHEED MARTIN ENERGY, LLC
Street Address:	6801 ROCKLEDGE DRIVE
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Postal Code:	20817
PROPERTY NUMBERS Total: 37	
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Application Number:	14963147
Application Number:	15060493
Application Number:	15060495
Application Number:	15071047
Application Number:	15076538
Application Number:	15090506

CORRESPONDENCE DATA

ATTORNEY DOCKET NUMBER:	086735-0010
NAME OF SUBMITTER:	MARK J. ITRI, REG. NO. 36,171
Signature:	/Mark J. Itri/
Date:	02/15/2018

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RECEIPT INFORMATION

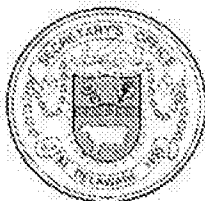
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Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "LOCKHEED MARTIN ADVANCED ENERGY STORAGE, LLC", CHANGING ITS NAME FROM "LOCKHEED MARTIN ADVANCED ENERGY STORAGE, LLC" TO "LOCKHEED MARTIN ENERGY, LLC", FILED IN THIS OFFICE ON THE TWENTY-SECOND DAY OF JANUARY, A.D. 2018, AT 4:11 O`CLOCK P.M.



5583062 8100
SR# 20180407723

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JBULLOCK", written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

Jeffrey W. Bullock, Secretary of State

Authentication: 202014151
Date: 01-22-18

PATENT
REEL: 046933 FRAME: 0781

STATE OF DELAWARE
CERTIFICATE OF AMENDMENT

1. Name of Limited Liability Company: Lockheed Martin Advanced Energy Storage, LLC
2. The Certificate of Formation of the limited liability company is hereby amended as follows:

FIRST: The name of the limited liability company is Lockheed Martin Energy, LLC.

IN WITNESS WHEREOF, the undersigned have executed this Certificate on the 17th day of January, A.D. 2018.

By: 

Authorized Person(s)

Name: Kevin C. Darrenkamp

Print or Type

Schedule A

Application No.	Application Date	Title
62/435,378	12/16/2016	FLOW BATTERIES INCORPORATING A NITROXIDE COMPOUND WITHIN AN AQUEOUS ELECTROLYTE SOLUTION
62/468,844	4/21/2017	METHOD FOR SYNTHESIS OF PYROGALLOL
62/515,476	6/5/2017	METHOD FOR SYNTHESIS OF PYROGALLOL
62/535,797	7/21/2017	LIGAND CLASSES FOR COORDINATION CHEMISTRY USED IN REDOX FLOW BATTERIES
15/024,344	9/22/2014	BIPOLAR PLATE DESIGN WITH NON-CONDUCTIVE PICTURE FRAME
15/025,225	9/24/2014	ELECTROLYTE BALANCING STRATEGIES FOR FLOW BATTERIES
15/028,246	10/13/2014	METHOD AND APPARATUS FOR MEASURING TRANSIENT STATE-OF-CHARGE USING INLET/OUTLET POTENTIALS
15/033,507	10/31/2014	APPARATUS AND METHOD FOR DETERMINING STATE OF CHARGE IN A REDOX FLOW BATTERY VIA LIMITING CURRENTS
15/027,229	10/28/2014	DRIVEN ELECTROCHEMICAL CELL FOR ELECTROLYTE STATE OF CHARGE BALANCE IN ENERGY STORAGE DEVICES
15/027,228	11/6/2014	METHODS FOR DETERMINING STATE OF CHARGE AND CALIBRATING REFERENCE ELECTRODES IN A REDOX FLOW BATTERY
14/963,147	12/8/2016	ELECTROCHEMICAL SYSTEMS INCORPORATING IN SITU SPECTROSCOPIC DETERMINATION OF STATE OF CHARGE AND METHODS DIRECTED TO THE SAME
15/060,493	3/3/2016	COORDINATION COMPLEXES CONTAINING MONOSULFONATED CATECHOLATE LIGANDS AND METHODS FOR PRODUCING THE SAME
15/060,495	3/3/2016	PROCESSES FOR FORMING COORDINATION COMPLEXES CONTAINING MONOSULFONATED CATECHOLATE LIGANDS
15/071,047	3/15/2016	PREPARATION OF TITANIUM CATECHOLATE COMPLEXES IN AQUEOUS SOLUTION USING TITANIUM TETRACHLORIDE OR TITANIUM OXYCHLORIDE
15/076,538	3/21/2016	MITIGATION OF CROSSOVER WITHIN FLOW BATTERIES
15/090,506	4/4/2016	MITIGATION OF PARASITIC REACTIONS WITHIN FLOW BATTERIES
15/093,598	4/7/2016	HIGH-THROUGHPUT MANUFACTURING PROCESSES FOR MAKING ELECTROCHEMICAL UNIT CELLS AND ELECTROCHEMICAL UNIT CELLS PRODUCED USING THE SAME
15/093,604	4/7/2016	ELECTROCHEMICAL CELLS HAVING DESIGNED FLOW FIELDS AND METHODS FOR PRODUCING THE SAME
15/093,606	4/7/2016	COORDINATION COMPOUNDS HAVING REDOX NON-INNOCENT LIGANDS AND FLOW BATTERIES CONTAINING THE SAME
15/098,273	4/13/2016	FLOW BATTERY BALANCING CELLS HAVING A BIPOLAR MEMBRANE FOR SIMULTANEOUS MODIFICATION OF A NEGATIVE ELECTROLYTE SOLUTION AND A POSITIVE ELECTROLYTE SOLUTION
15/098,276	4/13/2016	FLOW BATTERY BALANCING CELLS HAVING A BIPOLAR MEMBRANE AND METHODS FOR USE THEREOF
15/143,344	4/29/2016	THREE-CHAMBER ELECTROCHEMICAL BALANCING CELLS FOR SIMULTANEOUS MODIFICATION OF STATE OF CHARGE AND ACIDITY WITHIN A FLOW BATTERY
15/157,223	5/17/2016	GLASS COMPOSITES HAVING A GRADIENT INDEX OF REFRACTION AND METHODS FOR PRODUCTION THEREOF
15/164,827	5/25/2016	ELECTROCHEMICAL ENERGY STORAGE SYSTEMS AND METHODS FEATURING OPTIMAL MEMBRANE SYSTEMS
15/167,928	5/27/2016	FLOW BATTERIES HAVING AN ELECTRODE WITH A DENSITY GRADIENT AND METHODS FOR PRODUCTION AND USE THEREOF
15/240,975	8/18/2016	TERNARY GLASS MATERIALS WITH LOW REFRACTIVE INDEX VARIABILITY
15/240,990	8/18/2016	SOLIDS MITIGATION WITHIN FLOW BATTERIES
15/289,063	10/7/2016	FLOW BATTERIES HAVING AN INTERFACIALLY BONDED BIPOLAR PLATE-ELECTRODE ASSEMBLY AND METHODS FOR PRODUCTION AND USE THEREOF
15/297,071	10/18/2016	FLOW BATTERIES HAVING AN ELECTRODE WITH DIFFERING HYDROPHILICITY ON OPPOSING FACES AND METHODS FOR PRODUCTION AND USE THEREOF
15/360,918	11/23/2016	FLOW BATTERIES INCORPORATING ACTIVE MATERIALS CONTAINING DOUBLY BRIDGED AROMATIC GROUPS
15/364,206	11/29/2016	FLOW BATTERIES HAVING ADJUSTABLE CIRCULATION RATE CAPABILITIES AND METHODS ASSOCIATED THEREWITH
15/379,418	12/14/2016	COORDINATIVELY UNSATURATED TITANIUM CATECHOLATE COMPLEXES AND PROCESSES ASSOCIATED THEREWITH
15/387,594	12/21/2016	ELECTROCHEMICAL ENERGY STORAGE SYSTEMS AND METHODS FEATURING LARGE NEGATIVE HALF-CELL POTENTIALS
15/393,680	1/5/2017	FLOW BATTERIES INCORPORATING A PHENOTHIAZINE COMPOUND WITHIN AN AQUEOUS ELECTROLYTE SOLUTION
15/468,502	3/21/2017	CONCENTRATION MANAGEMENT IN FLOW BATTERY SYSTEMS USING AN ELECTROCHEMICAL BALANCING CELL
15/469,430	3/24/2017	FLOW BATTERIES HAVING A PRESSURE-BALANCED ELECTROCHEMICAL CELL STACK AND ASSOCIATED METHODS
15/502,345	11/2/2017	METAL COMPLEXES OF SUBSTITUTED CATECHOLATES AND REDOX FLOW BATTERIES CONTAINING THE SAME

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RECORDED: 03/29/2018

REEL: 046933 FRAME: 0783