

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5754971

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the RECEIVING PARTY DATA previously recorded on Reel 050594 Frame 0234. Assignor(s) hereby confirms the TO READ: THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE ARMY, 101 ARMY PENTAGON, WASHINGTON, DC 20310.
CONVEYING PARTY DATA	
Name	Execution Date
ANIT K. GIRI	03/27/2019
ANTHONY J. ROBERTS	03/27/2019
BILLY C. HORNBuckle	03/27/2019
SCOTT M. GRENDahl	03/27/2019
KRISTOPHER A. DARLING	03/27/2019
RECEIVING PARTY DATA	
Name:	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE ARMY
Street Address:	101 ARMY PENTAGON
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20310
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16579089
CORRESPONDENCE DATA	
Fax Number:	(301)394-3972
<i>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.</i>	
Phone:	301-394-1774
Email:	nadine.l.loman.civ@mail.mil
Correspondent Name:	NADINE L. LOMAN
Address Line 1:	2800 POWDER MILL ROAD
Address Line 2:	CCDC U.S. ARMY RESEARCH LABORATORY
Address Line 4:	ADELPHI, MARYLAND 20783
ATTORNEY DOCKET NUMBER:	ARL 17-33D
NAME OF SUBMITTER:	NADINE L. LOMAN

SIGNATURE:	/Nadine L. Loman/
DATE SIGNED:	10/04/2019
Total Attachments: 10 source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page1.tif source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page2.tif source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page3.tif source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page4.tif source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page5.tif source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page6.tif source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page7.tif source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page8.tif source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page9.tif source=ARL 17-33D_CORRECTED_AssignmentRecordalDocs#page10.tif	



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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>ANIT K. GIRI</td><td>03/27/2019</td></tr><tr><td>ANTHONY J. ROBERTS</td><td>03/27/2019</td></tr><tr><td>BILLY C. HORNBuckle</td><td>03/27/2019</td></tr><tr><td>SCOTT M. GRENDahl</td><td>03/27/2019</td></tr><tr><td>KRISTOPHER A. DARLING</td><td>03/27/2019</td></tr></tbody></table>	Name	Execution Date	ANIT K. GIRI	03/27/2019	ANTHONY J. ROBERTS	03/27/2019	BILLY C. HORNBuckle	03/27/2019	SCOTT M. GRENDahl	03/27/2019	KRISTOPHER A. DARLING	03/27/2019	
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<table border="1"><tr><td>Name:</td><td>CCDC U.S. ARMY RESEARCH LABORATORY</td></tr><tr><td>Street Address:</td><td>2800 POWDER MILL ROAD</td></tr><tr><td>City:</td><td>ADELPHI</td></tr><tr><td>State/Country:</td><td>MARYLAND</td></tr><tr><td>Postal Code:</td><td>20783</td></tr></table>	Name:	CCDC U.S. ARMY RESEARCH LABORATORY	Street Address:	2800 POWDER MILL ROAD	City:	ADELPHI	State/Country:	MARYLAND	Postal Code:	20783			
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Application Number:	16579089												

CORRESPONDENCE DATA

Fax Number: (301)394-3972

Phone: (301)394-1774

Email: nadine.l.loman.civ@mail.mil

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.

Correspondent Name: NADINE L. LOMAN

Address Line 1: 2800 POWDER MILL ROAD

Address Line 2: CCDC US ARMY RESEARCH LABORATORY

Address Line 4: ADELPHI, MARYLAND 20783

**ATTORNEY DOCKET
NUMBER:**

ARL 17-33D

NAME OF SUBMITTER:

NADINE L. LOMAN

Signature:

/Nadine L. Loman/

Date:

10/02/2019

Total Attachments: 6

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RECEIPT INFORMATION

EPAS ID: PAT5749328

Receipt Date: 10/02/2019

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ASSIGNMENT AND AGREEMENT

Title of Invention: ~~ALUMINUM-BASED NANOGALVANIC COMPOSITIONS USEFUL FOR GENERATING HYDROGEN GAS~~
~~GENERATING HYDROGEN GAS~~
~~AND LOW TEMPERATURE PROCESSING THEREOF~~

Aluminum Based Nanogalvanic Compositions Useful for Generating Hydrogen Gas and Low Temperature Processing Thereof
Inventor(s): Anit K. Giri, Anthony J. Roberts, Billy C. Hornbuckle, Scott M. Grendahl, Kristopher A. Darling
Date Declaration Executed: 7/23/18

Divisional Application Serial No.: 16/579,089 Filing Date: 9/23/2019
*PCT Application Serial No.: ~~2018/09207~~ *Filing Date: ~~2018~~ Docket: ARL 17-33D
*Application Serial No.: ~~16/042,533~~ *Filing Date: ~~2018~~

(*I (We) hereby authorize the application serial number and filing date of said application be added when known.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of circumstances under which the above-identified invention was made, hereby

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation or division of said application and any reissue or extension of said Letters Patent, and hereby assign full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 301.9(d), including rights of priority under the International Convention of Paris (1883), as amended.

2. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: Anit K. Giri
(First name) (Middle Initial) (Last Name)

Duty Address: APG HARFORD MD
(Locality) (County) (State)

Date: 3/27/19 Typed name of Inventor: Anit K. Giri

Signature of Inventor: Anthony J. Roberts James Kristopher A. Darling
(First name) (Middle Initial) (Last Name)

Duty Address: APG HARFORD MD
(Locality) (County) (State)

Date: 3/27/19 Typed name of Inventor: Anthony J. Roberts

Signature of Inventor: Billy C. Hornbuckle C Hornbuckle
(First name) (Middle Initial) (Last Name)

Duty Address: APG HARFORD MD
(Locality) (County) (State)

Date: 3/27/19 Typed name of Inventor: Billy C. Hornbuckle

Signature of Inventor: Scott M. Grendahl
(First name) (Middle Initial) (Last Name)

Duty Address: APG HARFORD MD
(Locality) (County) (State)

Date: 3/27/19 Typed name of Inventor: Scott M. Grendahl

Signature of Inventor: Kristopher A. Darling
(First name) (Middle Initial) (Last Name)

Duty Address: APG Harford MD
(Locality) (County) (State)

Date: 3/27/19 Typed name of Inventor: Kristopher A. Darling

State of: MD

County of: Harford) SS.
(place where acknowledgement is taken)

On the above date Ant K. Giri, Anthony J. Roberts, Billy C. Hambuckle, Scott M. Grendahl, and Kristopher A. Darling, known to me to be the individual(s) described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his/their own free act and deed. In witness whereof I hereunto set my hand and official seal.

Sheila M. Boyd
(Printed or typewritten name of notary public)

Sheila M. Boyd
(Signature of notary public)

My Commission expires on 5/9/22

Signature of Intellectual Property Counsel accepting this Assignment on behalf of the Secretary of the Army:

Alan I. Kalb A. I. Kalb
(First Name) (Middle Initial) (Last Name)

Date: 3/27/19 Typed name of IP Counsel: Alan I. Kalb
***** (notarizing preferred) *****

State of: Montgomery) SS.

County of: Montgomery) (place where acknowledgement is taken)

On the above date Alan I. Kalb known to me to be the individual(s) described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his/their own free act and deed. In witness whereof I hereunto set my hand and official seal.

Tina H. Buchanan
(Printed or typewritten name of notary public)

Tina H. Buchanan
(Signature of notary public)

My Commission expires on 4/9/22

(SEAL)

ASSIGNMENT AND AGREEMENT

Title of Invention: **ALUMINUM BASED NANOGALVANIC COMPOSITIONS USEFUL FOR GENERATING HYDROGEN GAS GENERATING HYDROGEN GAS AND LOW TEMPERATURE PROCESSING THEREOF**

Inventor(s): Anit K. Giri, Anthony J. Roberts, Billy C. Hornbuckle, Scott M. Grendahl, Kristopher A. Darling
Date Declaration Executed: 7/23/18

*PCT Application Serial No.: PCT/US18/43267 *Filing Date: 7/23/2018 Docket: ARL 17-33
*Application Serial No.: 16/042,632 *Filing Date: 7/23/2018

(*I (We) herby authorize the application serial number and filing date of said application be added when known.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of circumstances under which the above-identified invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation or division of said application and any reissue or extension of said Letters Patent, and hereby assign full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended.

2. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: Anit K. Giri
(First name) (Middle Initial) (Last Name)

Duty Address: APG HARFORD MD
(Locality) (County) (State)

Date: 3/27/19 Typed name of Inventor: Anit K. Giri

Signature of Inventor: Anthony J. Roberts
(First name) (Middle Initial) (Last Name)

Duty Address: APG Harford MD
(Locality) (County) (State)

Date: 3/27/19 Typed name of Inventor: Anthony J. Roberts

Signature of Inventor: Billy C. Hornbuckle
(First name) (Middle Initial) (Last Name)

Duty Address: APG Harford MD
(Locality) (County) (State)

Date: 3/27/19 Typed name of Inventor: Billy C. Hornbuckle

Signature of Inventor:

(First name)

(Middle Initial)

(Last Name)

Duty Address:

(Locality)

(County)

(State)

Date:

Typed name of Inventor:

Scott M. Grendahl

Signature of Inventor:

(First name)

(Middle Initial)

(Last Name)

Duty Address:

(Locality)

(County)

(State)

Date:

Typed name of Inventor:

Kristopher A. Darling

State of:

County of:

) SS.

(place where acknowledgement is taken)

On the above date Anil K. Giri, Anthony J. Roberts, Billy C. Hornbuckle, Scott M. Grendahl, and Kristopher A. Darling, known to me to be the individual(s) described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his/their own free act and deed. In witness whereof I hereunto set my hand and official seal.

Sheila M. Boyd

(Printed or typewritten name of notary public)

Sheila M. Boyd

(Signature of notary public)

My Commission expires on

5/9/22

Signature of Intellectual Property Counsel accepting this Assignment on behalf of the Secretary of the Army:

(First Name)

(Middle Initial)

(Last Name)

Date:

Typed name of IP Counsel:

Alan I. Kalb

State of:

County of:

) SS.

(place where acknowledgement is taken)

On the above date Alan I. Kalb, known to me to be the individual(s) described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his/their own free act and deed. In witness whereof I hereunto set my hand and official seal.

Tina H. Buchanon

(Printed or typewritten name of notary public)

Tina H. Buchanon

(Signature of notary public)

My Commission expires on

1/9/22

(SEAL)

ARL Form - Assignment of Domestic and Foreign Rights

PATENT

RECORDED: 10/04/2019

REEL: 050634 FRAME: 0764