505102876 09/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5149636

| SUBMISSION TYPE: | | | NEW ASSIGNMENT | | | |
|--|---|--|--|----------------|------------|--|
| NATURE OF CONVEYANCE: | | | ASSIGNMENT | | | |
| CONVEYING PARTY | DATA | | | | | |
| | | | Name | Execution Date | | |
| TSINENG TONY YING | | | | | 09/18/2018 | |
| RICHARD R. ROBIDOUX | | | | | 09/18/2018 | |
| RECEIVING PARTY D | ΑΤΑ | | | | | |
| Name: | | GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF THE TREASURY | | | | |
| Street Address: | 1500 P | 1500 PENNSYLVANIA AVE., NW | | | | |
| City: | WASH | WASHINGTON | | | | |
| State/Country: | D.C. | D.C. | | | | |
| Postal Code: | 20220 | | | | | |
| PROPERTY NUMBER | S Total: 1 | | | | | |
| | T | | | | | |
| Property Type | | | Number | | | |
| Application Number: | | 15661 | 141 | | | |
| | | | | | | |
| CORRESPONDENCE | DATA | | | | | |
| CORRESPONDENCE Fax Number: | | (301)9 | 975-3482 | | | |
| Fax Number: Correspondence will | be sent to | o the e | -mail address first; if that is | | | |
| Fax Number: Correspondence will | be sent to | o the e d; if th | | | | |
| Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: | be sent to f provideo | o the e d; if th 301-9 patent | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov | | | |
| Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name | be sent to f provideo | o the e d; if th 301-9 patent NIST | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) | | | |
| Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: | be sent to f provideo e: | o the e d; if th 301-9 patent NIST 100 B | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE | | | |
| Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: | be sent to if provided :: | o the e d; if th 301-9 patent NIST 100 B MS 22 | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE 200 | sen | | |
| Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: | be sent to if provided :: | o the e d; if th 301-9 patent NIST 100 B MS 22 | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE | sen | | |
| Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: | be sent to f provideo | o the e d; if th 301-9 patent NIST 100 B MS 22 GAITH | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE 200 | sen | | |
| Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I | be sent to f provided : : | o the e d; if th 301-9 patent NIST 100 B MS 22 GAITH | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE 200 HERSBURG, MARYLAND 208 | sen | | |
| Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: | be sent to f provided : : | o the e d; if th 301-9 patent NIST 100 B MS 22 GAITH | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE 200 HERSBURG, MARYLAND 208 USM-16-001US1 | sen | | |
| Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I NAME OF SUBMITTER | be sent to f provided : : | o the e d; if th 301-9 patent NIST 100 B MS 22 GAITH | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE 200 HERSBURG, MARYLAND 208 USM-16-001US1 EILEEN BRIGHT | sen | | |
| Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I NAME OF SUBMITTER SIGNATURE: | be sent to f provided : : | o the e d; if th 301-9 patent NIST 100 B MS 22 GAITH | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE 200 HERSBURG, MARYLAND 208 USM-16-001US1 EILEEN BRIGHT /Eileen Bright/ | sen | | |
| Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I NAME OF SUBMITTER SIGNATURE: DATE SIGNED: | be sent to if provided e: NUMBER: | o the e d; if th 301-9 patent NIST 100 B MS 22 GAITH | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE 200 HERSBURG, MARYLAND 208 USM-16-001US1 EILEEN BRIGHT /Eileen Bright/ 09/20/2018 | sen | | |
| Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I NAME OF SUBMITTEF SIGNATURE: DATE SIGNED: Total Attachments: 4 | be sent to f provided :: NUMBER: R: IROBID0 IROBID0 | o the e d; if th 301-9 patent NIST 100 B MS 22 GAITH | e-mail address first; if that is at is unsuccessful, it will be 75-2691 ts@nist.gov (EILEEN BRIGHT) UREAU DRIVE 200 HERSBURG, MARYLAND 208 USM-16-001US1 EILEEN BRIGHT /Eileen Bright/ 09/20/2018 Assignment#page1.tif Assignment#page2.tif | sen | | |

NIST Docket number: USM-16-001US1

Assignment of Patent Rights

I, RICHARD R. ROBIDOUX, residing in WASHINGTON, D.C. invented "SILICON STEEL COMPOSITE FOR LOW DENOMINATION COIN" for which has been filed an application for United States Letters Patent, Serial Number 15/661,141 on July 27, 2017.

The invention was made while I was an employee of the United States Department of the Treasury and under such circumstances that applicable laws and regulations render the patent rights assignable to the United States. The United States of America, represented by the Secretary of the Treasury, wishes to acquire these rights.

Therefore, I assign to the Government of the United States of America as represented by the Secretary of the Treasury, my full and exclusive world-wide rights to this invention. As consideration for this Assignment, I will be treated as an inventor whose rights are assigned to the Government of the United States, for royalty sharing purposes, if royalties are ever collected, as explained in Section 3710(c) of Title 15 of the United States Code. This invention and its derivative applications in the United States Patent and Trademark Office and United States Letters Patent are to be held by the United States of America for the full term for which such Letters Patent may be granted as completely as they would have been held by me had I not made this assignment.

I agree to make, execute, and deliver to the Secretary of Commerce and the Secretary of the

PATENT REEL: 046919 FRAME: 0266

Treasury all documents in such usual or other forms, terms, or contents as may be required for the prosecution of all applications arising from this invention, as well as after issuance of Letters Patent, and for the settlement of any derivation proceeding, post-grant review, or other action or proceeding, these applications and Letters Patent may encounter. I will aid the United States of America in every way to protect the invention as requested, except that any expenses arising through such assistance will be borne, through proper arrangement, by the United States of America.

I warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements, oral, written, or implied, that will impair the interests conveyed in this assignment at the time I execute this instrument.

IN TESTIMONY WHEREOF, I sign

PATENT REEL: 046919 FRAME: 0267

NIST Docket number: USM-16-001US1

ASSIGNMENT OF PATENT RIGHTS

I, TSINENG TONY YING, residing in SILVER SPRING, MD invented "SILICON STEEL COMPOSITE FOR LOW DENOMINATION COIN" for which has been filed an application for United States Letters Patent, Serial Number 15/661,141 on July 27, 2017.

The invention was made while I was an employee of the United States Department of the Treasury and under such circumstances that applicable laws and regulations render the patent rights assignable to the United States. The United States of America, represented by the Secretary of the Treasury, wishes to acquire these rights.

Therefore, I assign to the Government of the United States of America as represented by the Secretary of the Treasury, my full and exclusive world-wide rights to this invention. As consideration for this Assignment, I will be treated as an inventor whose rights are assigned to the Government of the United States, for royalty sharing purposes, if royalties are ever collected, as explained in Section 3710(c) of Title 15 of the United States Code. This invention and its derivative applications in the United States Patent and Trademark Office and United States Letters Patent are to be held by the United States of America for the full term for which such Letters Patent may be granted as completely as they would have been held by me had I not made this assignment.

I agree to make, execute, and deliver to the Secretary of Commerce and the Secretary of the

PATENT REEL: 046919 FRAME: 0268

Treasury all documents in such usual or other forms, terms, or contents as may be required for the prosecution of all applications arising from this invention, as well as after issuance of Letters Patent, and for the settlement of any derivation proceeding, post-grant review, or other action or proceeding, these applications and Letters Patent may encounter. I will aid the United States of America in every way to protect the invention as requested, except that any expenses arising through such assistance will be borne, through proper arrangement, by the United States of America.

I warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements, oral, written, or implied, that will impair the interests conveyed in this assignment at the time I execute this instrument.

IN TESTIMONY WHEREOP, I sign

TEMENT, MC TSINESSG TOXY YING

RECORDED: 09/20/2018