

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ERIC JOSEPH NEMANICK	10/15/2019
HENRY HELVAJIAN	10/15/2019
BRIAN SHEN	10/15/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE AEROSPACE CORPORATION
<b>Street Address:</b>	2310 EAST EL SEGUNDO BLVD
<b>Internal Address:</b>	MS M1/040
<b>City:</b>	EL SEGUNDO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90245
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16654105
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)242-9711
<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>	
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<b>Address Line 1:</b>	9891 IRVINE CENTER DRIVE
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<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92618
<b>ATTORNEY DOCKET NUMBER:</b>	1110.0086
<b>NAME OF SUBMITTER:</b>	SHEETAL S PATEL
<b>SIGNATURE:</b>	/Sheetal S. Patel/
<b>DATE SIGNED:</b>	11/21/2019
<b>Total Attachments: 5</b>	
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**PATENT**

**REEL: 051082 FRAME: 0834**

**ASSIGNMENT OF APPLICATION FOR PATENT**

WHEREAS:

- (A) Eric Joseph NEMANICK, a United States citizen, residing in Santa Monica, CA, US;
- (B) Henry HELVAJIAN, a United States citizen, residing in Pasadena, CA, US; and
- (C) Brian SHEN, a United States citizen, residing in Hawthorne, CA, US

(hereinafter referred to as ASSIGNORS), has made an invention entitled:

**RADIOISOTOPE THERMOELECTRIC BATTERY (RTB) SYSTEM**

☒ for which application for Letters Patent of the United States has been filed on October 16, 2019, under Application No. 16/654,105, and

WHEREAS:

The Aerospace Corporation, a corporation of California, having a business address of 2310 East El Segundo Blvd, MS M1/040, El Segundo, California 90245

and which, together with its successors, assigns, and legal representatives, is hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer to ASSIGNEE, the full and exclusive right, title and interest to the invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, continuation-in-part, divisional, reexamination, renewal, substitute, reissue and/or any application claiming priority thereof, including any legal equivalent thereof, in a foreign country for the full term or terms for which the same may be granted.

WE, SAID ASSIGNORS, hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for the invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and benefit of the ASSIGNEE in accordance with the terms of this instrument.

WE, SAID ASSIGNORS, hereby covenant with ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND WE, SAID ASSIGNORS, hereby further covenant and agree that the ASSIGNEE may apply for foreign Letters Patent on the invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE communicate to the ASSIGNEE as the case may be, any facts known to me respecting the invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the invention, the said applications and the said Letters Patent in the ASSIGNEE and that if reissues or reexaminations of the said Letters Patent or disclaimers relating thereto, or divisionals, continuations, continuation-in-parts of the said applications shall hereafter be desired by the ASSIGNEE, I will, at any time, when called upon to do so by the ASSIGNEE sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation, continuation-in-part, reexamination, and reissue applications so desired, and do all lawful acts requisite for the application for such continuations, continuation-in-parts, divisionals, reexaminations, or reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE to obtain and enforce proper patent protection for the invention in all countries, all without further compensation but at the expense of the ASSIGNEE.

ASSIGNORS hereby authorize and request the prosecuting law firm to insert herein above the application number and filing date of said application when known.

Inventor(s): Please Sign and Date Below:

(A)

Eric Joseph NEMANICK  
Eric Joseph NEMANICK

Date: 10/15/19

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Los Angeles }

On 10/15/19 before me, Carole Ann Mulchinski  
Notary Public, personally appeared Eric Joseph Nemanick who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Carole Ann Mulchinski (Seal)



(B) *Henry Helvadian*  
Henry HELVADIAN

Date: 10/15/2019

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

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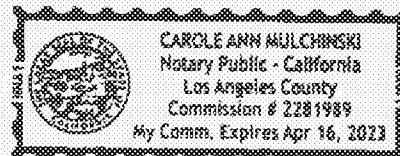
State of California  
County of Los Angeles }

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Notary Public, personally appeared Henry Helvadian who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Carole Ann Mulchinski* (Seal)



(C) Brian SHEN  
Brian SHEN

Date: 10/15/2019

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of Los Angeles

On 10/15/19 before me, Carole Ann Mulchinski  
Notary Public, personally appeared Brian Shen who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

Signature Carole Ann Mulchinski (Seal)

