

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Henry Helvajian	04/25/2013
RECEIVING PARTY DATA	
Name:	The Aerospace Corporation
Street Address:	2310 East El Segundo Boulevard
City:	El Segundo
State/Country:	CALIFORNIA
Postal Code:	90245
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13739879
CORRESPONDENCE DATA	
Fax Number:	8583141150
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-314-1200
Email:	cquatrino@jonesday.com, MVdiaz@jonesday.com
Correspondent Name:	JONES DAY
Address Line 1:	222 41st Street
Address Line 4:	New York, NEW YORK 10017-6702
ATTORNEY DOCKET NUMBER:	12709-033-999/467972-033
NAME OF SUBMITTER:	Christina Quatrino
Signature:	/Christina Quatrino/
Date:	05/01/2013
Total Attachments: 2 source=12709-033-999_Assignment#page1.tif source=12709-033-999_Assignment#page2.tif	

CH \$40.00 13739879

ASSIGNMENT

WHEREAS, I, Henry HELVAJIAN, citizen of the United States, having a mailing address of 1040 Nithsdale Rd., Pasadena, California, 91105, United States and residing at Pasadena, California, United States, ASSIGNOR, am the inventor of the invention in SYSTEMS AND METHODS FOR ENHANCING MOBILITY OF ATOMIC OR MOLECULAR SPECIES ON A SUBSTRATE AT REDUCED BULK TEMPERATURE USING ACOUSTIC WAVES, AND STRUCTURES FORMED USING SAME for which I have executed an application for a Patent of the United States

- which is executed on even date herewith or
- which is identified by Jones Day docket no. 12709-033-999
- which was filed on January 11, 2013, Application No. 13/739,879
- I hereby authorize and request attorney(s) at Jones Day, to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

and WHEREAS, **The Aerospace Corporation**, a corporation organized and existing under the laws of the state of California, and having an office for the transaction of business at 2310 E. El Segundo Boulevard, El Segundo, California, 90245, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND I HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my signature.

Date 4/25/2013, 2013


Henry Helvajian

L.S.

Jones Day Docket No. 12709-033-999

STATE OF CALIFORNIA)

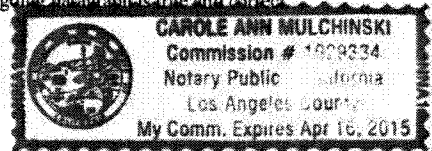
COUNTY OF)

On 4/25/13 before me, Carole Ann Mulchinski Notary Public, personally appeared Henry Helvajian, 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)



ACCEPTED AND AGREED TO BY ASSIGNEE, THE AEROSPACE CORPORATION:

Signature Roger Donald Matthews

Date: April 29, 2013

Printed name ROBERT DONALD Matthews

Title Assistant General Counsel

