

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Heinrich G. Muller	11/19/2009
Hyun I. Kim	11/19/2009
Brendan J. Foran	11/20/2009
RECEIVING PARTY DATA	
Name:	The Aerospace Corporation
Street Address:	2310 E. El Segundo Boulevard
City:	El Segundo
State/Country:	CALIFORNIA
Postal Code:	90245
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12624147
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	467972-999015
NAME OF SUBMITTER:	Jaime D. Choi
Total Attachments: 2	
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PATENT
REEL: 023560 FRAME: 0386

ASSIGNMENT

WHEREAS, WE, Heinrich G. MULLER, Hyun I. KIM, and Brendan J. FORAN, ASSIGNORS, citizens, the United States residing at 5519 Bayridge Road, Rancho Palos Verdes, CA 90275, 6785 Tahitian Circle, Yorba Linda, CA 92886, and 7324 W. 88th St., Los Angeles, CA 90045, are the inventors of the invention in

STABLE LITHIUM NIOBATE WAVEGUIDES, AND METHODS OF MAKING AND USING SAME

for which we 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. 12709-015-999
☐ which was filed on , Application No.
☒ We hereby authorize and request attorney(s), at Jones Day, to insert here in parentheses (Application number, 12/624,147 filed 11/23/09) the filing date and application number of said application when known.

and WHEREAS, THE AEROSPACE CORPORATION, of 2310 E. El Segundo Boulevard, El Segundo, CA 90245, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, 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, our 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 hereafter 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 WE 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 WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us 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, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date	<u>11-19</u>	, 2009	<u>Heinrich Muller</u>	L.S.
Date	<u>11-19</u>	, 2009	<u>Hyun I. Kim</u>	L.S.
Date	<u>11-20</u>	, 2009	<u>Brendan J. Foran</u>	L.S.

STATE OF CALIFORNIA)

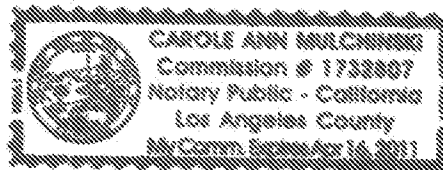
COUNTY OF Los Angeles)

On 11/19/09 before me, Carole Ann Mulchinski Notary Public, personally appeared Heinrich G. MULLER, who proved to me on the basis of satisfactory evidence to be the person whose name is 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)



STATE OF CALIFORNIA)

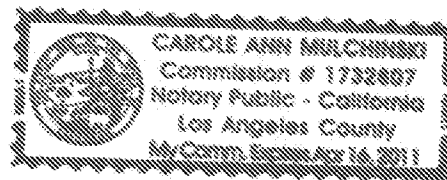
COUNTY OF Los Angeles)

On 11/19/09 before me, Carole Ann Mulchinski Notary Public, personally appeared Hyun I. KIM, who proved to me on the basis of satisfactory evidence to be the person whose name is 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)



STATE OF CALIFORNIA)

COUNTY OF Los Angeles)

On 11/20/09 before me, Carole Ann Mulchinski Notary Public, personally appeared Brendan J. FORAN, who proved to me on the basis of satisfactory evidence to be the person whose name is 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)

