

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Kenneth Cowans</td> <td>01/18/2011</td> </tr> <tr> <td>William Cowans</td> <td>01/18/2011</td> </tr> <tr> <td>Glenn Zubillaga</td> <td>01/18/2011</td> </tr> <tr> <td>Issac Millan</td> <td>01/18/2011</td> </tr> </tbody> </table>		Name	Execution Date	Kenneth Cowans	01/18/2011	William Cowans	01/18/2011	Glenn Zubillaga	01/18/2011	Issac Millan	01/18/2011
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Advanced Thermal Sciences Corporation</td> </tr> <tr> <td>Street Address:</td> <td>3355 East La Palma Avenue</td> </tr> <tr> <td>City:</td> <td>Anaheim</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92806</td> </tr> </table>		Name:	Advanced Thermal Sciences Corporation	Street Address:	3355 East La Palma Avenue	City:	Anaheim	State/Country:	CALIFORNIA	Postal Code:	92806
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (949)760-9502</p> <p>Phone: 3105513450</p> <p>Email: efilng@knobbe.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Matthew V. Lincicum</p> <p>Address Line 1: 2040 Main Street</p> <p>Address Line 2: 14th Floor</p> <p>Address Line 4: Irvine, CALIFORNIA 92614</p>											
ATTORNEY DOCKET NUMBER:	BEAERO.018C1										
NAME OF SUBMITTER:	Matthew Lincicum										

CH \$40.00 12855678

Total Attachments: 5

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ASSIGNMENT

WHEREAS, Kenneth W. Cowans, a US citizen, residing at 1213 El Mirador Drive, Fullerton, CA 92835, William W. Cowans, a US citizen, residing at 2419 West Cherry Avenue, Fullerton, CA 92833, Glenn W. Zubillaga, a US citizen, residing at 22500 Canyon Lake Drive, Canyon Lake, CA 92587, Isaac Millan, a US citizen, residing at 9608 Julius Avenue, Downey, CA 90240, (individual(s) hereinafter "ASSIGNOR") contributed to certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to CAPACITIVELY COUPLED PLASMA REACTOR HAVING VERY AGILE WAFER TEMPERATURE CONTROL (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");


AND WHEREAS, Advanced Thermal Sciences Corporation, a Delaware Corporation, with its principal place of business at 3355 East La Palma Avenue, Anaheim, CA 92806 (hereinafter the "ASSIGNEE"), desires to acquire the ASSIGNOR'S right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, its entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all ASSIGNOR's claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18 day of January, 2011.


Kenneth Cowans

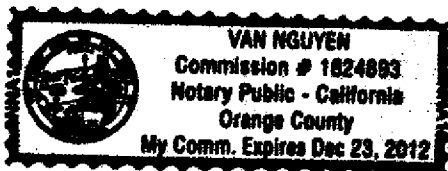
STATE OF CALIFORNIA }
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COUNTY OF Orange }

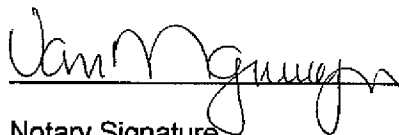
On January 18, 2011, before me, Van Nguyen, notary public, personally appeared Ken Cowans who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized 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.

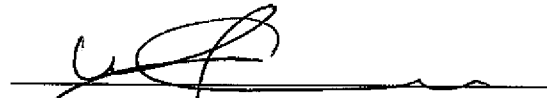
WITNESS my hand and official seal.

[SEAL]




Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18th day of January, 2011.


William Cowans

STATE OF CALIFORNIA

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ss.

COUNTY OF Orange

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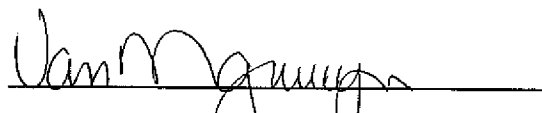
On January 18, 2011, before me, Van Nguyen, notary public, personally appeared William Cowans who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their 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.

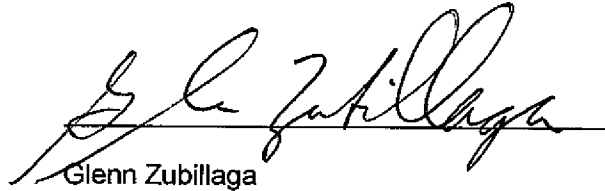
WITNESS my hand and official seal.

[SEAL]




Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18 day of January, 2011.


Glenn Zubillaga

STATE OF CALIFORNIA

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ss.

COUNTY OF Orange

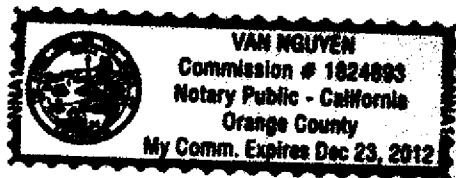
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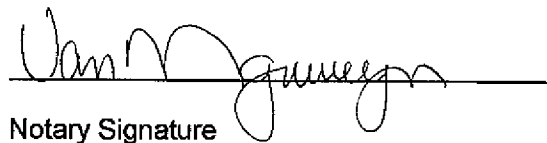
On January 18, 2011, before me, Van Nguyen, notary public, personally appeared Glenn Zubillaga who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their 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.

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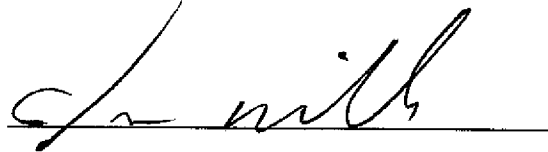
WITNESS my hand and official seal.

[SEAL]




Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18th day of January, 2011.



Issac Millan

STATE OF CALIFORNIA

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ss.

COUNTY OF Orange

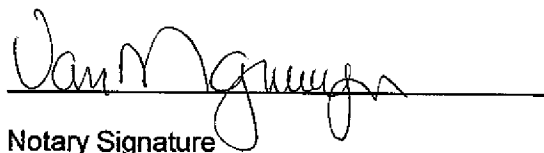
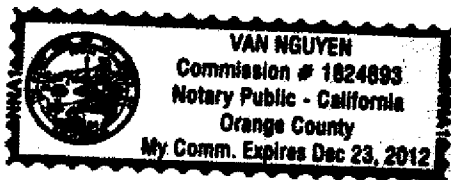
}

On January 18, 2011, before me, Van Nguyen, notary public, personally appeared Issac Millan 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.

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[SEAL]



Notary Signature