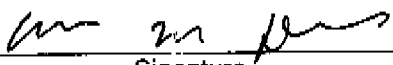


Client Code: ILLINC.189DA

**RECORDATION FORM COVER SHEET  
PATENT'S ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>(1) Judy Macemon; (2) David Kaplan; (3) Adrian Fawcett; (3) Kevin Simmons; (4) Andrew Zoolakis.</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Address:</b> HELIXIS, INC. 5421 Avenida Encinas, Suite B Carlsbad, CA 92008</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>(1) August 19, 2010; (2) June 15, 2010; (3) August 19, 2010; (3) June 28, 2010; (4) June 25, 2010.</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p><input checked="" type="checkbox"/> Patent Application No.: 29/358,668 Filing Date: March 30, 2010</p> <p>Additional numbers attached?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995</p> <p><b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614</p> <p><b>Return Fax:</b> (949) 760-9502</p> <p><b>Attorney's Docket No.:</b> ILLINC.189DA</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.</p> <p><u>Aaron M. Davis</u> Name of Person Signing</p> <p><u></u> Signature</p> <p><u>9/3/10</u> Date</p> <p>62,027 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 7</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

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**PATENT**  
**REEL: 024940 FRAME: 0708**

CH \$40.00 111410 29358668

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Filing Date: March 30, 2010

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### ASSIGNMENT

WHEREAS, Judy Macemon, a US citizen, residing at 16034 Martincoit Road, Poway, CA, 92964, David Kaplan, a US citizen, residing at 3015 Segovia Way, Carlsbad, CA, 92009, Adrian Fawcett, a citizen of the United Kingdom, residing at 3406 Camino Corte, Carlsbad, CA, 92009, Kevin Simmons, a US citizen, residing at 1042 Cypress Avenue, San Diego, CA, 92103, and Andrew Zoolakis, a US citizen, residing at 1300 Verbena Court, Carlsbad, CA, 92011, (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to THERMAL CYCLING SYSTEM FOR BIOLOGICAL SAMPLES (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, Helixis, Inc., a Corporation, with its principal place of business at 5421 Avenida Encinas, Suite B, Carlsbad, CA, 92008 (hereinafter the "ASSIGNEE"), desires to acquire the entire 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, the 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.

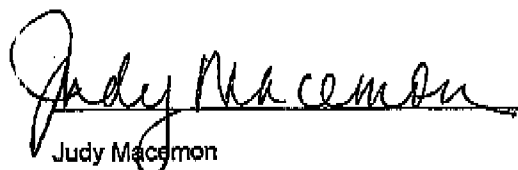
AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue 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.

Application No.: 29/358,668  
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of August, 2010

  
Judy Macemon

STATE OF CALIFORNIA

ss.

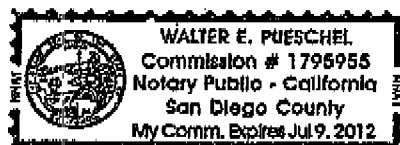
COUNTY OF San Diego


On AUG 19 2010, before me, Walter E. Pueschel, notary public, personally appeared Judy Macemon 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

Application No.: 29/358,668  
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15 day of  
June, 2010.

  
David Kaplan

STATE OF CALIFORNIA

ss.

COUNTY OF

On 6/15/10, before me, Johnna Ramos, notary public,  
personally appeared David Kaplan 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

Notary Signature

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of  
August, 2010.



Adrian Fawcett

STATE OF CALIFORNIA

ss.


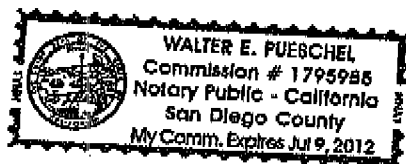
COUNTY OF San Diego

On AUG 19 2010, before me, Walter E. Pueschel, notary public, personally appeared David Kaplan 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

Application No.: 29/358,668  
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28 day of  
JUNE, 2010.

  
Kevin Simmons

STATE OF CALIFORNIA

}

}

ss.

COUNTY OF SAN DIEGO

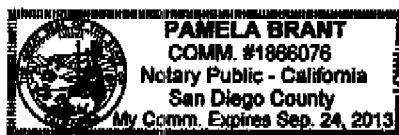
}


On JUNE 28, 2010, before me, PAMELA BRANT, notary public,  
personally appeared Kevin Simmons 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

Application No.: 29/358,668  
Filing Date: March 30, 2010

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of JUNE, 2010.



Andrew Zoolakis

STATE OF CALIFORNIA

}

ss.

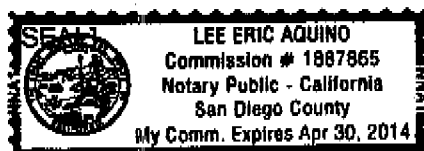
COUNTY OF ~~SAN DIEGO~~

}

On JUNE 25<sup>th</sup> 2010, before me, LEE ERIC AQUINO, notary public, personally appeared Andrew Zoolakis 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.



9153893  
060410



Notary Signature