

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tzung K. Hsiai</td> <td>11/21/2005</td> </tr> <tr> <td>Gopkrishnani Soundararajan</td> <td>12/16/2005</td> </tr> <tr> <td>E. S. Kim</td> <td>11/15/2005</td> </tr> <tr> <td>Hongyu Yu</td> <td>10/10/2005</td> </tr> <tr> <td>Mahsa Rouhanizadeh</td> <td>11/21/2005</td> </tr> <tr> <td>Tiantian Lin</td> <td>11/21/2005</td> </tr> </tbody> </table>		Name	Execution Date	Tzung K. Hsiai	11/21/2005	Gopkrishnani Soundararajan	12/16/2005	E. S. Kim	11/15/2005	Hongyu Yu	10/10/2005	Mahsa Rouhanizadeh	11/21/2005	Tiantian Lin	11/21/2005
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Mahsa Rouhanizadeh	11/21/2005														
Tiantian Lin	11/21/2005														
<b>RECEIVING PARTY DATA</b>															
Name:	University of Southern California														
Street Address:	USC Stevens Institute for Innovation														
Internal Address:	1150 South Olive Street, Suite 2300														
City:	Los Angeles														
State/Country:	CALIFORNIA														
Postal Code:	90015														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12041577</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12041577										
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Application Number:	12041577														
<b>CORRESPONDENCE DATA</b>															
Fax Number:	(310)277-4730														
Phone:	310 788 1569														
Email:	jsbrown@mwe.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Marc E. Brown														
Address Line 1:	McDermott Will & Emery LLP														
Address Line 2:	2049 Century Park East, Suite 3800														
Address Line 4:	Los Angeles, CALIFORNIA 90067														

CH \$40.00 12041577

ATTORNEY DOCKET NUMBER:	028080-0329
NAME OF SUBMITTER:	Marc E. Brown
Total Attachments: 4 source=174Assignment#page1.tif source=174Assignment#page2.tif source=174Assignment#page3.tif source=174Assignment#page4.tif	

**ASSIGNMENT**  
(Joint Inventors)

WHEREAS, We, Tzung K. Hsiai; Gopkrishnani Soundararajan; E.S. Kim; Hongyu Yu; Mahsa Rouhanizadeh; and Tiantian Lin, ("ASSIGNORS") have invented "**MEMS VASCULAR SENSOR**" ("Invention") for which we have filed an application for a patent ("Application") in the United States, Application Serial No. 11/196,849, filed August 4, 2005, which claims priority to Application Serial No. 60/601,101, filed August 12, 2004;

WHEREAS, We are the joint inventors of the Invention;

WHEREAS, the University of Southern California, (ASSIGNEE) is a corporation organized and existing under the laws of California having a place of business at 3716 South Hope Street, Suite 313, Los Angeles, CA 90007-4344. ASSIGNEE desires to acquire the entire right, title and interest in and to the inventions, applications and letters patent to be granted and issued for the inventions and applications;

WHEREAS, ASSIGNEE desires to acquire the entire right, title and interest in and to the Invention and Application and to all patents based on the Application;

NOW, THEREFORE, for valuable consideration, the receipt and legal sufficiency of which ASSIGNORS acknowledge, ASSIGNORS have and hereby do assign and transfer to ASSIGNEE, its successors and assigns, the entire right, title and interest in and to:

1. The Invention;
2. The Application;
3. All applications based on or claiming priority from the Application, including all divisionals and continuations ("Application Family");
4. All patents which may be granted on the Invention, Application and Application Family by the United States of America, its territories and possessions, and by all foreign countries, including all priority rights and all reissues thereof ("Patents"); and
5. The right to sue for past infringement of the Invention, Application, Application Family and Patents.

ASSIGNORS agree, at the request of ASSIGNEE, to sign any and all papers reasonably needed to file and prosecute the Application and Application Family, to obtain the Patents, and to perfect and vest in ASSIGNEE the entire right, title and interest in the Invention, Application, Application Family and Patents. ASSIGNORS also agree to provide assistance that is reasonably needed to prepare and prosecute the Application and Application Family.

ASSIGNORS authorize and empower ASSIGNEE, its successors and assigns, to apply for and obtain, in its own name, the Application, Application Family and Patents before competent International Authorities, including the World Intellectual Property Organization and in any and all foreign countries in which applications for patents can be made or patents obtained.

Dated: Nov. 21, 2005

*[Handwritten Signature]*

Name: TZUNG K. HSAI  
Address: 11335 17th Street  
Santa Monica, California 90403

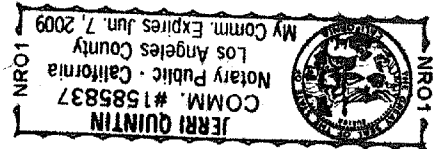
STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF LOS ANGELES )

On November 21, 2005 before JERRI QUINTIN, NOTARY personally appeared Tzung K. Hsiai  personally known to me or  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.

WITNESS my hand and official seal.

*[Handwritten Signature]*  
Notary Public

(SEAL)



Dated: Dec 16<sup>th</sup>  
Oct 10, 2005  
*[Handwritten initials]*

*[Handwritten Signature]*

Name: GOPKRISHNANI SOUNDARARAJAN  
Address: 2717 South Orchard Avenue, #2  
Los Angeles, California 90007

STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF LOS ANGELES )

On 12/16/2005, 2005 before JERRI QUINTIN personally appeared Gopkrishnani Soundararajan  personally known to me or  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.

WITNESS my hand and official seal.

*[Handwritten Signature]*  
Notary Public

(SEAL)



Dated: Nov. 15, 2005

*[Handwritten Signature]*

Name: E. S. KIM  
Address: 26944 Grayslake Road  
Rancho Palos Verdes, California 90275

STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF LOS ANGELES )

On November 15, 2005 before Maria De La Garza personally appeared E. S. Kim  personally known to me or  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.

WITNESS my hand and official seal.

*[Handwritten Signature: Maria De La Garza]*  
Notary Public

(SEAL)



Dated: 10 - 10, 2005

*[Handwritten Signature: Hongyu Yu]*

Name: HONGYU YU  
Address: 1141 West 28th Street, Apt. 8  
Los Angeles, California 90007

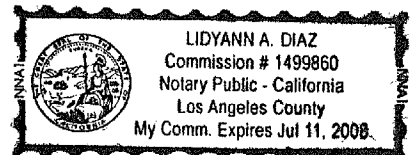
STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF LOS ANGELES )

On October 10, 2005 before me, Lidynn A. Diaz personally appeared Hongyu Yu  personally known to me or  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.

WITNESS my hand and official seal.

*[Handwritten Signature: Lidynn A. Diaz]*  
Notary Public

(SEAL)



Dated: 11-21, 2005

*J. Rouhanizadeh*  
Name: MAHSA ROUHANIZADEH  
Address: 1124 West Adams, #23  
Los Angeles, California 90007

STATE OF CALIFORNIA     )  
  ) ss.  
COUNTY OF LOS ANGELES    )

On NOVEMBER 21, 2005 before JERRI QUINTIN personally appeared Mahsa Rouhanizadeh  personally known to me or  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.

WITNESS my hand and official seal.

*Jerry Quintin*  
Notary Public

(SEAL)



Dated: 11. 21, 2005

*Tiantian Lin*  
Name: TIAN TIAN LIN  
Address: 1854 Birchwood Common  
Livermore, CA 94550

STATE OF CALIFORNIA     )  
  ) ss.  
COUNTY OF LOS ANGELES    )

On NOVEMBER 21, 2005 before JERRI QUINTIN personally appeared Tiantian Lin  personally known to me or  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.

WITNESS my hand and official seal.

*Jerry Quintin*  
Notary Public

(SEAL)

