


Form PTO-1595 (Rev. 12-08)
OMB No. 0651-0027 (exp. 01/31/2009)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies): Hai U. Wang (07/23/1998), Zhoufeng Chen (07/23/1998), and David J. Anderson (07/23/1998) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>California Institute of Technology</u> Internal Address: _____ Street Address: _____ 1200 E. California Blvd City: <u>Pasadena</u> State: <u>California</u> Country: <u>United States of America</u> Zip: <u>91125</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) 11/182,218 B. Patent No.(s) 6,579,683 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Matthew P. Vincent, J.D., Ph.D.</u> <u>ROPES & GRAY LLP</u> Internal Address: <u>Atty. Dkt.: CTCH-P09-006; CTCH-P04-006</u> Street Address: <u>One International Place</u> City: <u>Boston</u> State: <u>MA</u> Zip: <u>02110</u> Phone Number: <u>(617) 951-7739</u> Fax Number: <u>(617) 951-7050</u> Email Address: <u>MVincent@ropesgray.com</u>	6. Total number of applications and patents involved: 2 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>80.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
8. Payment Information Deposit Account Number <u>18-1945</u> Authorized User Name <u>Matthew P. Vincent, J.D., Ph.D.</u>	
9. Signature: <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  Signature <u>Z. Angela Guo, J.D., Ph.D. - 54,144</u> Name of Person Signing </div> <div style="text-align: center;"> <u>Jan. 21, 2009</u> Date </div> </div> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 10px;"> Total number of pages including cover sheet, attachments, and documents: 5 </div>	

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, facsimile no. (571) 273-0140, on the date shown below.	
Dated: <u>1/21/09</u>	Signature: <u>[Signature]</u> (Ginny Blundell)

Docket No. CIT98-01pA2JointASSIGNMENT

WHEREAS, we, **Hai U. Wang, Zhounfeng Chen and David J. Anderson**, have invented a certain improvement in **Artery- and Vein-Specific Proteins and Uses Therefor** described in an application for Letters Patent of the United States, the specification of which:

☐ is about to be filed in the United States Patent Office;

☒ was filed on May 28, 1998 as Application No. 09/085,820 ;

☐ was patented under U.S. Patent No. _____ on _____.

WHEREAS, **California Institute of Technology** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of California, and having a usual place of business at **1200 E. California Boulevard, Pasadena California 91125** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

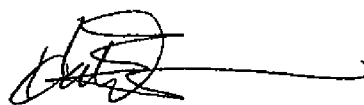
PATENT
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AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: _____

**Hai U. Wang**State/~~Commonwealth~~ _____of California _____County of Los Angeles _____

Then personally appeared before me the above-named **Hai U. Wang** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 19__.

Notary Public

(SEAL)

(print name)

My Commission expires ____ / ____ / ____

-3-

Inventor: _____


Zhoufeng Chen

State/Commonwealth

of _____

County of _____

Then personally appeared before me the above-named **Zhoufeng Chen** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 19__.

Notary Public

(SEAL)

(print name)

My Commission expires ____ / ____ / ____

Inventor: _____


David J. Anderson

State/Commonwealth

of _____

County of _____

Then personally appeared before me the above-named **David J. Anderson** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 19__.

Notary Public

(SEAL)

(print name)

My Commission expires ____ / ____ / ____

K:\CEGNER\CIT\9801PA2\ASSIGN

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

Los Angeles

} ss.

On 23 July 98, before me, Julie C. Hiroto, notary public,
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Hai U. Wang, Zhongfeng Chen, David J. Anderson
Name(s) of Signer(s)

- ☒ personally known to me and/no
☒ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) 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.

Place Notary Seal Above

Julie C. Hiroto
 Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document
 and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document -Title or Type of Document: Assignment (CIT 98-01PA2)Document Date: 23 July 98 Number of Pages: threeSigner(s) Other Than Named Above: none**Capacity(ies) Claimed by Signer**

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
 OF SIGNER
 Top of thumb here