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Form PTO-1595 (Rev. 03/01)



ER SHEET .Y

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

OMB No. 0651-0027 (exp

102820668

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies): Hai U. Wang, Zhoufeng Chen, David J. Anderson. Additional name(s) of conveying party(ies) attached? [ ] Yes [x] No

2. Name and address of receiving party(ies): Name: California Institute of Technology, Internal Address: , Street Address: 1200 E. California Boulevard, City: Pasadena, State: California, Zip: 91125. Additional name(s) & address(es) attached: [ ] Yes [x] No

3. Nature of Conveyance: [x] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other. Execution Date: July 23, 1998

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: . A. Patent Application No.(s): 10/459,186 (06/10/03) B. Patent No.(s): . Additional numbers attached? [ ] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Matthew P. Vincent, ROPES & GRAY LLP, Internal Address: Atty. Dkt.: CTCH-P06-006, Street Address: One International Place, City: Boston, State: MA, Zip: 02110-2624

6. Total number of applications and patents involved: 1. 7. Total fee (37 CFR 3.41) \$ 40.00. [ ] Enclosed [x] Authorized to be charged to deposit account [ ] Authorized to be charged to credit card (Form 2038 enclosed). 8. Deposit account number: 18-1945 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature. 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. Z. Angela Guo -- 54,144 Name of Person Signing, Signature, August 18, 2004 Date

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below. Dated: 8/18/04 Signature: (Ginny Blundell)

06/24/2004 LUMIELLER 00000145 181945 10469105 01 FC:802

JointASSIGNMENT

WHEREAS, we, **Hai U. Wang, Zhoufeng 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 \_\_\_\_\_.

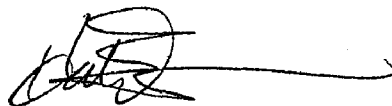
WHEREAS, **California Institute of Technology** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of California**, and having a usual place of business at **1200 E. California Boulevard, Pasadena California 91125** desires to acquire an interest therein in accordance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

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 \_\_\_ / \_\_\_ / \_\_\_

Inventor: Chen Zhoufeng  
**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\_\_.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_ (print name)  
My Commission expires \_\_\_ / \_\_\_ / \_\_\_

Inventor: David J. Anderson  
**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\_\_.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_ (print name)  
My Commission expires \_\_\_ / \_\_\_ / \_\_\_

K:\CEGNER\CIT\9801PA2\ASSIGN

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California	} ss.
County of <u>Los Angeles</u>	
On <u>23 July 98</u> , before me, <u>Julié C. Hiroto, notary public</u> , <small>Date</small> <small>Name and Title of Officer (e.g., "Jane Doe, Notary Public")</small>	
personally appeared <u>Hai U. Wang, Zhoufeng Chen, David J. Anderson</u> <small>Name(s) of Signer(s)</small>	
<input checked="" type="checkbox"/> personally known to me <u>and/no</u> <input type="checkbox"/> proved to me on the basis of satisfactory evidence	
<b>PATENT</b>	
to be the person(s) <b>REEL: 015704 FRAME: 0375</b>	

**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, Zhoufeng 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.



Place Notary Seal Above

WITNESS my hand and official seal.

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: three

Signer(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: \_\_\_\_\_

