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TO THE ASSISTANT COMMISSIONER FOR PATENTS AND TRADEMARKS, U.S. DEPARTMENT OF COMMERCE, Original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1. Yong Hua Zhu
2. Wolff M. Kirsch

Additional name(s) of conveying party(ies) attached?  
( ) Yes (X) No

2. Name and address of receiving party(ies):

**Name:** LOMA LINDA UNIVERSITY MEDICAL CENTER**Internal Address:****Street Address:** 11234 Anderson Street**City:** Loma Linda **State:** CA **ZIP:** 92354Additional name(s) of receiving party(ies) attached?  
( ) Yes (X) No

3. Nature of conveyance:

- (X) Assignment  
( ) Merger  
( ) Security Agreement  
( ) Change of Name  
( ) Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1.) February 13, 2002 2.) February 20, 2002

4. Application number(s) or Patent number(s):

( ) Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 08/984,757

Filing Date: December 4, 1997

( ) Patent No.:

Issue Date:

Additional numbers attached? ( ) Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

**Name:** Glen L. Nuttall  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
**Customer No.** 20,995**Internal Address:** Sixteenth Floor**Street Address:** 620 Newport Center Drive**City:** Newport Beach **State:** CA **ZIP:** 92660**Attorney's Docket No.:** LOMAU.077CP2

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

( ) Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Glen L. Nuttall

Name of Person Signing

Signature

Date

46,188

Registration No.

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

03/01/2002 DBYRNE 00000318 08984757

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U.S. Patent and Trademark Office  
Attn: Assignment Division  
Crystal Gateway-4  
1213 Jefferson Davis Highway, Suite 320  
Arlington, VA 22202

PATENT  
REEL: 012611 FRAME: 0431

ASSIGNMENT

WHEREAS, We, Yong Hua Zhu, a United States citizen, residing at 30919 Sutherland Drive, Redlands, CA 92373, Wolff M. Kirsch, a United States citizen, residing at 1360 Prospect Drive, Redlands, CA 92373, have invented certain new and useful improvements in a **VASCULAR WOUND CLOSURE DEVICE** for which we have filed an application for Letters Patent in the United States as Application No. 08/984,757, filed on December 4, 1997;

AND WHEREAS, LOMA LINDA UNIVERSITY MEDICAL CENTER (hereinafter "ASSIGNEE"), a California non-profit Corporation, with its principal place of business at 11234 Anderson Street, Loma Linda, CA 92354, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations 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 applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request 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 Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13 day of February, 2002

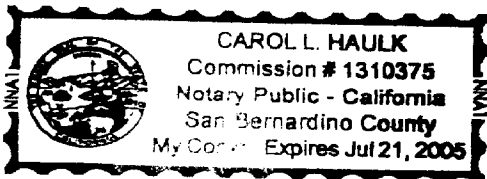
  
Yong Hua Zhu

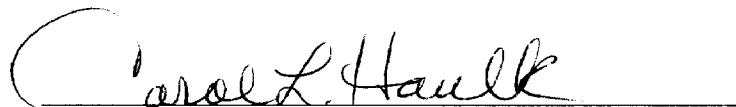
STATE OF California  
COUNTY OF San Bernardino ss.

On February 13, 2002 before me, Carol L. Haulk, personally appeared Yong Hua Zhu 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 executed the same in his authorized capacity(~~ies~~), and that by his 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.

[SEAL]



  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20 day of February, 2002

Wolff M. Kirsch  
Wolff M. Kirsch

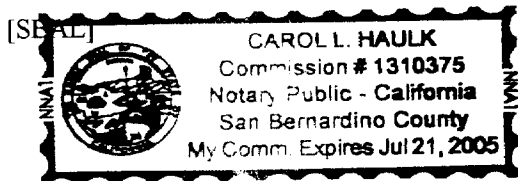
STATE OF

COUNTY OF

ss.

On 2/20/02, before me, Carol L. Haulk, personally appeared Wolff M. Kirsch 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 executed the same in his authorized capacity~~(ies)~~, and that by his 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.



Carol L. Haulk  
Notary Signature