98	
7-9	
$\mathcal{Z}$	
N	

FORM PTO-1595 07 - 24 - 1	IFFT U.S. DEPARTMENT OF COMM
1-31-92	TEET U.S. DEPARTMENT OF COMM Patent and Trade (1)
Tab settings ⇔ ⇔ ♥ 100773  To the Honorable Commissioner of Passans and Trademarks	412
1. Name of conveying party(ies):  Nadir Shoudi	2. Name and address of receiving party(ies):
Alan dela Rama	Internal Address:
Additional name(s) of conveying party(ies) attached?	
3. Nature of conveyance:	
Assignment	Street Address: 2146 A Michelson Drive
☐ Security Agreement ☐ Change of Name	
Other	City: Irvine State: CA ZIP: 9261
Execution Date: 7-8-98 for Alan de la Rama	Additional name(s) & address(es) attached?
A. Patent Application No.(s)	B. Patent No.(s)
	B. Patent No.(s)  ached? □ Yes □ No
Additional numbers att.  5. Name and address of party to whom correspondence	ached? ☐ Yes ☑ No
5. Name and address of party to whom correspondence concerning document should be mailed:	ached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)\$
Additional numbers att.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: HOSHENG TU	ached? Yes No  6. Total number of applications and patents involved:
Additional numbers att.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: HOSHENG TU	ached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)\$
Additional numbers att.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: HOSHENG TU	ached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)\$
Additional numbers att.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: HOSHENG TU  Internal Address:  Street Address: 2146A MICHELSON DRIVE	7. Total fee (37 CFR 3.41)\$
Additional numbers att.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: HOSHENG TU  Internal Address:  Street Address: 2146A MICHELSON DRIVE  City: IRVINE State: CA ZIP: 92612	ached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)\$  Enclosed  Authorized to be charged to deposit account  8. Deposit account number:  (Attach duplicate copy of this age if paying by deposit account
Additional numbers att.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: HOSHENG TU  Internal Address:  Street Address: 2146A MICHELSON DRIVE  City: IRVINE State: CA ZIP: 92612	7. Total fee (37 CFR 3.41)\$  Enclosed  Authorized to be charged to deposit account  8. Deposit account number:  (Attach duplicate copy of this age if paying by deposit account seems account se
Additional numbers att.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: HOSHENG TU  Internal Address:  Street Address: 2146A MICHELSON DRIVE  City: IRVINE State: CA ZIP: 92612  DO NOT US	ached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)
Additional numbers att.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: HOSHENG TU  Internal Address:  Street Address: 2146A MICHELSON DRIVE  City: IRVINE State: CA ZIP: 92612  DO NOT US  9. Statement and signature  To the best of my knowledge and belief, the foregoing info of the original document.	ached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)
Additional numbers att.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: HOSHENG TU  Internal Address:  Street Address: 2146A MICHELSON DRIVE  City: IRVINE State: CA ZIP: 92612  DO NOT Use  9. Statement and signature  To the best of my knowledge and belief, the foregoing info	7. Total fee (37 CFR 3.41)\$  Enclosed  Authorized to be charged to deposit account  8. Deposit account number:  (Attach duplicate copy of this age if paying by deposit account sections and patents involved:  (Attach duplicate copy of this age if paying by deposit account sections)

Form 16-28 PATE REEL: 9325 FRA

## Assignment of Invention and Patent Application

For value received, Nadir Saoudi, having an address at Hopital Charles Nicolle, Cardiologie, 1 Rue de
Germont, Rouen, 76000 FRANCE (hereinafter ASSIGNOR), hereby sells, assigns, transfers, and sets over
unto Irvine Biomedical, Inc. of Irvine, California and its successors or assigns (hereinafter ASSIGNEE)
100% of the following: (A) ASSIGNOR'S right, title and interest in and to the invention entitled "Catheter
System Having Lattice Electrodes" co-invented by ASSIGNOR; (B) the application for United States patent
thereof, signed by ASSIGNOR on, U.S. Patent and Trademark Office Serial Number
, filed; (C) any patent or reissues of any patent that may be granted
thereon; and (D) any applications which are continuations, continuations-in-part, substitutes, or divisions of
said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number
and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Assistant
Commissioner for Patents to issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to
ASSIGNEE.
ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage
of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to
the United States, and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority
rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to
execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense,
as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent
of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the
validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.
In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.
$\mathcal{A}$
SM. July 3, 1998
Signature Date
VI production of
de la seguera de la considera
Subscribed and sworn before me this day of1998 n 3 pm 1998
Subscribed and sworn before me this day of
The state of the s
A Committee of the Comm
S OF CONTROL OF CONTRO
C. H.
Christophie LEROY
Adjoint au Maire,
Notary Public

PATENT REEL: 9325 FRAME: 0278

## **Assignment of Invention and Patent Application**

ASSIGNOR'S right, title and interest in and to the invention entitled "Catheter System Having Lattice Electrodes" co-invented by ASSIGNOR; (B) the application for United States patent thereof, signed by ASSIGNOR on, U.S. Patent and Trademark Office Serial Number, filed; (C) any patent or reissues of any patent that may be granted thereon; and (D) any applications which are continuations, continuations-in-part, substitutes, or divisions of said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Assistant Commissioner for Patents to issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to ASSIGNEE.  ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.	For value received, Alan de la Rama, having an address at 11315 Felson Street, Cerritos, CA 90703		
ASSIGNOR'S right, title and interest in and to the invention entitled "Catheter System Having Lattice Electrodes" co-invented by ASSIGNOR; (B) the application for United States patent thereof, signed by ASSIGNOR on, U.S. Patent and Trademark Office Serial Number, filed; (C) any patent or reissues of any patent that may be granted thereon; and (D) any applications which are continuations, continuations-in-part, substitutes, or divisions of said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Assistant Commissioner for Patents to issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to ASSIGNEE.  ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of ASSIGNOR's entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.	(hereinafter ASSIGNOR), hereby sells, assigns, transfers, and sets over unto Irvine Biomedical, Inc. of		
Electrodes" co-invented by ASSIGNOR; (B) the application for United States patent thereof, signed by ASSIGNOR on, U.S. Patent and Trademark Office Serial Number, filed; (C) any patent or reissues of any patent that may be granted thereon; and (D) any applications which are continuations, continuations-in-part, substitutes, or divisions of said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Assistant Commissioner for Patents to issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to ASSIGNEE.  ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of ASSIGNOR's entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.	Irvine, California and its successors or assigns (hereinafter ASSIGNEE) 100% of the following: (A)		
ASSIGNOR on	ASSIGNOR'S right, title and interest in and to the invention entitled "Catheter System Having Lattice		
; (C) any patent or reissues of any patent that may be granted thereon; and (D) any applications which are continuations, continuations-in-part, substitutes, or divisions of said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Assistant Commissioner for Patents to issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to ASSIGNEE.  ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  ASSIGNOR has hereunto set its hand and seal on the date below.	Electrodes" co-invented by ASSIGNOR; (B) the application for United States patent thereof, signed by		
applications which are continuations, continuations-in-part, substitutes, or divisions of said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Assistant Commissioner for Patents to issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to ASSIGNEE.  ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.	ASSIGNOR on, U.S. Patent and Trademark Office Serial Number, filed		
ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Assistant Commissioner for Patents to issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to ASSIGNEE.  ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.	; (C) any patent or reissues of any patent that may be granted thereon; and (D) any		
the spaces above. ASSIGNOR also authorizes and requests the Assistant Commissioner for Patents to issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to ASSIGNEE.  ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.	applications which are continuations, continuations-in-part, substitutes, or divisions of said application.		
ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  ABSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE. the above percentage of all priority rights resulting to each and assigns and extension for United States patent. ASSIGNOR patent and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.	ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number and Filing Date in		
ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.  **MARGARIAN 1/8/98***  **ASSIGNOR** ASSIGNOR**  **ASSIGNOR** ASSIGNOR**  **ASSIGNOR**  **ASSIGNOR*  **ASSIGNOR**  **ASSIGNOR*  **ASSIGNOR	the spaces above. ASSIGNOR also authorizes and requests the Assistant Commissioner for Patents to		
of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.	issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to ASSIGNEE.		
of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.			
the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.	ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage		
rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.  **August 1/8/98***	of ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to		
execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.  **Authorized Parks of the Control of the Cont	the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority		
as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.  **Authorized Convey of the Convey of t	rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to		
of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below. $ \frac{1/8/98}{} $	execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense,		
validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.  In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.  **AutoMaterial** 1/8/98***	as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent		
In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.  **Autology Control of the date below.**  **Autology Control of the date below.**  **Testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.**  **Autology Control of the date below.**  **Autology Control of the date below.**  **Testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.**  **Autology Control of the	of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the		
Manch Rama 1/8/98	validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.		
Manch Rama 1/8/98			
Signature Date	In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.		
Signature Date			
Signature Date			
Mandra 1/8/98 Signature Date	$\mathcal{M}_{\mathcal{M}}$		
Signature Date	Manoh Aguna 1/8/98		
	Signature Date		
OTH T	OTH T		
Subscribed and sworn before me this day of, 1998	Subscribed and awarn before me this Direction day of 1//// 1000		

RECORDED: 07/09/1998

Notary Public ROBERT F. HOFF COMM. #1091182 COMM. #1091182 COMMITTED ORANGE COUNTY COUNTY