To the Director of the United State.  102879109  1. Name of conveying party(ies): Christopher J. Caliboun Raiph E. Holmes G. Bryan Cirnwall  Additional names(s) of conveying party(ess)  3. Nature of conveying party(ess): Christopher J. Caliboun Raiph E. Holmes G. Bryan Cirnwall  Additional names(s) of conveying party(ess)  3. Nature of conveying party(ess): Characteristic Conveying party(ess): Characteristic Change of Name City: San Diego State/Prov.: CA Country: USA Zip: 92121  Additional name(s) & address(es) If this document is being filed together with a new application, the execution date of the application is: Patent Application No. Filing date  B. Patent No.(s)  5. Name and address of party to whom correspondence concerning document should be mailed: Name: Kenton R. Mullins Registration No. 36.331 Address: 4 Venture, Suite 300  10/672004 METICLE 00000142 501600  10/672004 METICLE 0000142 501600  10/672004 METICLE 0000142 501600  State/Prov.: CA Country: USA Zip: 9218  Country: USA Country: USA Country: USA Country: USA Country: USA Country: USA Zip: 9218  Country: USA Count	11/08/04	Docket No.: MA9606P
To the Director of the United State. 102879109	OMB No. 0651-0027 (exp.5/31/2002)	O4 SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
1. Name of conveying party(ies): Christopher J. Cathons Ralph E. Holmes G. Bryan Cirnwall  Additional names(s) of conveying party(ies): Name: MacroPore Biosurgery, Inc. Address: 6740 Top Gun Street  Additional names(s) of conveying party(ies): Name: MacroPore Biosurgery, Inc. Address: 6740 Top Gun Street  Additional names(s) of conveying party(ies): Name: MacroPore Biosurgery, Inc. Address: 6740 Top Gun Street  Address: 6740 Top Gun Street  City: San Diego State/Prov. CA Country: USA ZIP: 92121  Execution Date: February 12, 2004  4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: Patent Application No. Filing date  B. Patent No.(s)  5. Name and address of party to whom correspondence concerning document should be mailed: Name: Kenton R. Mullins Registration No. 36,331 Address: 4 Venture, Suite 300  Additional numbers  7. Total fee (37 CFR 3.41):	1000701	
3. Nature of conveyance:  ☑ Assignment	1. Name of conveying party(ies): Christopher J. Calhoun Ralph E. Holmes	Name and address of receiving party(ies):     Name: MacroPore Biosurgery, Inc.
Security Agreement	Additional names(s) of conveying party(ies)	
City: San Diego State/Prov.: CA  Country: USA ZIP: 92121  Execution Date: February 12, 2004  4. Application number(s) or patent numbers(s):  If this document is being filed together with a new application, the execution date of the application is:  Patent Application No. Filling date  B. Patent No.(s)  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Kenton R. Mullins  Registration No. 36.331  Address: 4 Venture, Suite 300  Address: 4 Venture, Suite 300  Enclosed - Any excess or insufficiency should be credited or debited to deposit account  Authorized to be charged to deposit account  1/09/2004 NETTENE 00000142 501600 10632014  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 ettached copy is a true copy of the original document.  Kenton R. Mullins  November 5, 2004  Name of Person Signing  Signature  City: San Diego State/Prov.: CA  Country: USA  ZIP: 92121  Additional number of paplications is state/Prov.: CA  Country: USA  ZIP: 9218  Country: USA  ZIP: 92618  November 5, 2004  Name of Person Signing  Signature  Country: USA  ZIP: 9218  November 5, 2004	3. Nature of conveyance:	
Country: USA ZIP: 92121  Execution Date: February 12, 2004  4. Application number(s) or patent numbers(s):  If this document is being filed together with a new application, the execution date of the application is:  Patent Application No. Filing date  B. Patent No.(s)  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Kenton R. Mullins  Registration No. 36.331  Address: 4 Venture, Sulte 300  10/97204 NETICHE 0000142 501600 1632014  DI FRENCE Invine 40.00 PA  Country: USA ZIP: 92618  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.  Kenton R. Mullins  November 5, 2004  November 5, 2004  November 5, 2004  Name of Person Signing  Signature  To bate		
Additional name(s) & address(es)	☐ Security Agreement ☐ Change of Name	City: San Diego State/Prov.: CA
4. Application number(s) or patent numbers(s):  If this document is being filed together with a new application, the execution date of the application is:  Patent Application No. Filing date  B. Patent No.(s)  10/632,014  Additional numbers  Additional numbers  Pyes No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Kenton R. Mullins  Registration No. 36.331  Address: 4 Venture, Suite 300  Address: 4 Venture, Suite 300  Address: 4 Venture, Suite 300  Authorized to be charged to deposit account  I/09/2004 NETIONE 0000142 501600 10632014  DEPOSITE TIVINE 40.00 MA State Fov.: CA  Country: USA  ZIP: 92618  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.  Kenton R. Mullins  November 5, 2004  Name of Person Signing  Signature	☐ Other	Country: USA ZIP: 92121
If this document is being filed together with a new application, the execution date of the application is:  Patent Application No. Filing date  B. Patent No.(s)  10/632,014  Additional numbers	Execution Date: February 12, 2004	Additional name(s) & address(es)
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Kenton R. Mullins  Registration No. 36,331  Address: 4 Venture, Suite 300  1/09/2004 METACHE 00000142 501600 10632014  11/09/2004 METACHE 00000142 501600 10632014  Ocuntry: USA  ZIP: 92618  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.  Kenton R. Mullins  November 5, 2004  Name of Person Signing  Signature  6. Total number of applications and patents involved:  1  40.00  Authorized to deposit account  40.00  Authorized to be charged to deposit account  8. Deposit account number:  50-1600  (Attach duplicate copy of this page if paying by deposit account)  November 5, 2004  November 5, 2004	If this document is being filed together with a new application Patent Application No.  Filing date	B. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Kenton R. Mullins  Registration No. 36,331  Address: 4 Venture, Suite 300  Interpretable 00000142 501600 10632014  Ocuntry: USA  PO 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.  Kenton R. Mullins  November 5, 2004  Name of Person Signing  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41):\$ 40.00  Authorized to be charged to deposit account  Authorized to be charged to deposit account  8. Deposit account number:  50-1600  (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.  Kenton R. Mullins  November 5, 2004	A daliki a a a la cuanha	
Registration No. 36,331  Address: 4 Venture, Suite 300  Authorized to be charged to deposit account  Authorized to be charged to deposit account  8. Deposit account number:  50-1600  Country: USA  ZIP: 92618  ONOT 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.  Kenton R. Mullins  Name of Person Signing  Name of Person Signing  Negistration No. 36,331  Enclosed - Any excess or insufficiency should be credited or debited to deposit account  Authorized to be charged to deposit account  8. Deposit account number:  50-1600  (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  9. Statement and signature.  November 5, 2004  November 5, 2004	5. Name and address of party to whom correspondence	10
Registration No. 36,331  Address: 4 Venture, Suite 300  Authorized to be charged to deposit account    Authorized to be charged to deposit account	Name: Kenton R. Mullins	7, Total fee (37 CFR 3.41):\$ 40.00
17 FC-8021 Irvine 40.00 DA State/Prov.: CA 50-1600  Country: USA ZIP: 92618 (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.  Kenton R. Mullins  November 5, 2004  Date		Enclosed - Any excess or insufficiency should be credited or debited to deposit account
1 FC-1021 Irvine 40.00 M State/Prov.: CA 50-1600  Country: USA ZIP: 92618 (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.  Kenton R. Mullins  November 5, 2004  Name of Person Signing  Signature  5 Date	1 (AD /2004 MCCTAPHE DAGGO(42) 501600 10632014	8. Deposit account number:
Country: USA  ZIP: 92618  (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.  Kenton R. Mullins  November 5, 2004  Name of Person Signing  Signature  Date		50-1600
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.  Kenton R. Mullins  November 5, 2004  Name of Person Signing  Date	·	
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.    Kenton R. Mullins   November 5, 2004     Name of Person Signing   Signature   5   Date		
Name of Person Signing Signature 5	To the best of my knowledge and belief, the foregoing info	ormation is true and correct and any attached copy is a true copy
Name of Ferson Cigning 5		
Total number of pages including cover sheet, attachments, and		5

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

**PATENT** 

REEL: 015960 FRAME: 0992

Kenton R. Mullins STOUT, UXA, BUYAN & MULLINS, LLP 4 Venture, Suite 300 Irvine. CA 92618

### **ASSIGNMENT**

WHEREAS, WE, CHRISTOPHER J. CALHOUN, RALPH E. HOLMES and G. BRYAN CORNWALL, all residing in California, have invented certain new and useful improvements in:

# APPARATUS AND METHOD FOR PREVENTING ADHESIONS BETWEEN AN IMPLANT AND SURROUNDING TISSUES

for which the said CHRISTOPHER J. CALHOUN has thisday of application papers for United States Letters Patent thereon;	2004 executed
the said RALPH E. HOLMES has this day of for United States Letters Patent thereon; and	, 2004 executed application papers
the said G. BRYAN CORNWALL has this 4 day of FEBRARY papers for United States Letters Patent thereon;	, 2004 executed application

WHEREAS, MACROPORE BIOSURGERY, INC., hereinafter called Assignee, having a place of business at 6740 Top Gun Street, San Diego, California 92121, is desirous of acquiring the entire and exclusive right, title and interest in and to the aforesaid invention and in and to any and all Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto (including the right to apply for Leners Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to the said invention as described in said applications, and in and to all Leners Patent granted therefor, and all divisions, reissues and continuations thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all Leners Patent on said invention or resulting therefrom to said Assignce, as assignce of my entire right, title and interest, and I covenant that I have full right so to do and agree that I will communicate to said Assignce, or its successors any and all facts known to me regarding said invention whenever requested, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue and continuation applications, and generally do everything possible to aid said Assignce, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of ONE DOLLAR (\$1) paid to me in hand paid by Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, WE, CHRISTOPHER J. CALHOUN, RALPHE. HOLMES and G. BRYAN CORNWALL by these presents do hereby sell, assign and transfer unto Assignee, its successors and assigns, the full and exclusive right, title and interest in and to the said invention, and in and to any Letters Patent which may be granted and issued in the United States and throughout the world therefor;

(print name)

AND, I HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to

## WHEN RECORDED, RETURN TO:



Kenton R. Mullins STOUT, UXA, BUYAN & MULLINS, LLP 4 Venture, Suite 300 Irvine, CA 92618

### ASSIGNMENT

WHEREAS, WE, CHRISTOPHER J. CALHOUN, RALPH E. HOLMES and G. BRYAN CORNWALL, all residing in California, have invented certain new and useful improvements in:

# APPARATUS AND METHOD FOR PREVENTING ADHESIONS BETWEEN AN IMPLANT AND SURROUNDING TISSUES

for which the said CHRISTOPHER J. CALHOUN has this day of application papers for United States Letters Patent thereon;	, 2004 executed
the said RALPH E. HOLMES has this day of for United States Letters Patent thereon; and	, 2004 executed application papers
the said G. BRYAN CORNWALL has this day of papers for United States Letters Patent thereon;	, 2004 executed application

WHERHAS, MACROPORE BIOSURGERY, INC., hereinafter called Assignee, having a place of business at 6740 Top Gun Street, San Diego, California 92121, is desirous of acquiring the entire and exclusive right, title and interest in and to the aforesaid invention and in and to any and all Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to the said invention as described in said applications, and in and to all Letters Patent granted therefor, and all divisions, reissues and continuations thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent on said invention or resulting therefrom to said Assignee, as assignee of my entire right, title and interest, and I covenant that I have full right so to do and agree that I will communicate to said Assignee, or its successors any and all facts known to me regarding said invention whenever requested, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue and continuation applications, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of ONE DOLLAR (\$1) paid to me in hand paid by Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, WE, CHRISTOPHER J. CALHOUN, RALPH B. HOLMES and G. BRYAN CORNWALL by these presents do hereby sell, assign and transfer unto Assignee, its successors and assigns, the full and exclusive right, title and interest in and to the said invention, and in and to any Letters Patent which may be granted and issued in the United States and throughout the world therefor;

1

PATENT

REEL: 015960 FRAME: 0995

	OPHER J. CALHOUN
•	
IN WITNESS WHEREOF, I have executed this instrument at	San Dego, CA
this 57 day of 6	- mary, 2004.
Witness:  Carl E Co le RALPH	B. HOLMES
IN WITNESS WHEREOF, I have executed this instrument at	
this day of	, 2004.

2

PATENT REEL: 015960 FRAME: 0996

**RECORDED: 11/08/2004**