

05-18-1999



101040299

**MRD**  
**5-13-99**

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

New

Resubmission (Non-Recordation)  
Document ID#

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

**Conveyance Type**

Assignment  Security Agreement

License  Change of Name

Merger  Other

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1)  Execution Date Month Day Year

Name (line 2)

**Second Party**

Name (line 1)  Execution Date Month Day Year

Name (line 2)

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1)   If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)     
City State/Country Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

05/17/1999 JSHABAZZ 00000079 09272227

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40.00 DP

Mail documents to be recorded with required cover sheet(s) information to: MIT 7786  
Commissioner of Patents and Trademarks, Box Assignments, Washington, DC 20220/465

**PATENT**  
REEL: 009947 FRAME: 0139

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day Year

Name (line 1) Powers, Mark J.

04061999

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Domansky, Karel

04061999

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Thompson, Charles D.

04061999

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09272227

**Correspondent Name and Address**      **Area Code and Telephone Number**

**Name**

**Address (line 1)**

**Address (line 2)**

**Address (line 3)**

**Address (line 4)**

**Pages**      Enter the total number of pages of the attached conveyance document including any attachments.      #

**Application Number(s) or Patent Number(s)**       Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<input type="text" value="09272227"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.      Month      Day      Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number **only if a U.S. Application Number has not been assigned.**

PCT       PCT       PCT

PCT       PCT       PCT

**Number of Properties**      Enter the total number of properties involved.      #

**Fee Amount**      Fee Amount for Properties Listed (37 CFR 3.41): \$

**Method of Payment:**      Enclosed       Deposit Account

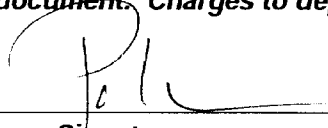
**Deposit Account**  
(Enter for payment by deposit account or if additional fees can be charged to the account.)

**Deposit Account Number:**      #

**Authorization to charge additional fees:**      Yes       No

**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. Charges to deposit account are authorized, as indicated herein.*

Patrea L. Pabst            5/16/99

**Name of Person Signing**      **Signature**      **Date**

## ASSIGNMENT

We, Linda G. Griffith of 110 Antrim Street, Cambridge, Massachusetts 02139, Steve R. Tannenbaum of 15 Bent Hill Drive, Framingham, Massachusetts 01701, Mark J. Powers of 50 Trowbridge Street, #12A, Cambridge, Massachusetts 02138, Karel Domansky of 159 Cambridge Street, #3, Cambridge, Massachusetts 02141, and Charles D. Thompson of 83 Beech Street, #2, Belmont, Massachusetts 02478, in consideration of Ten Dollars and other valuable consideration paid to us by Massachusetts Institute of Technology, a corporation of the Commonwealth of Massachusetts, having its principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Massachusetts Institute of Technology, its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "*VASCULARIZED PERFUSED MICROTISSUE/MICRO-ORGAN ARRAYS*" described in U.S. Serial No. 09/272,227 filed March 18, 1999, by Linda G. Griffith, Steve R. Tannenbaum, Mark J. Powers, Karel Domansky, and Charles D. Thompson, in the United States Patent and Trademark Office, which claims priority to U.S. Provisional Application Serial No. 60/078,452 filed March 18, 1998, by Linda G. Griffith, Mark Powers, and Steve Tannenbaum, in the United States Patent and Trademark Office, and in all Letters Patent of the United States of America and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuation-in-part, renewals, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

*"Vascularized Perfused Microtissue/Micro-Organ Arrays"*

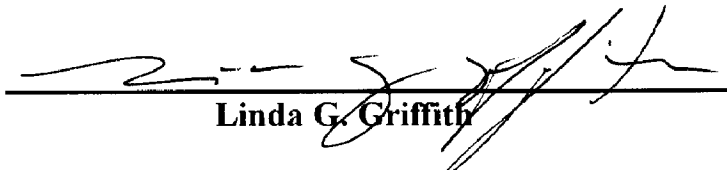
By: Linda G. Griffith, Steve R. Tannenbaum, Mark J. Powers,  
Karel Domansky, and Charles D. Thompson

Filed: March 18, 1999

ASSIGNMENT

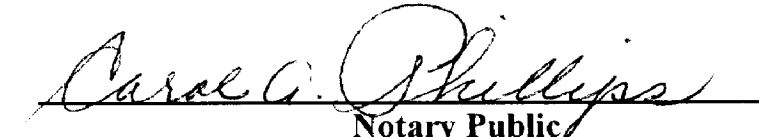
And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 23 day of April, 1999.

  
Linda G. Griffith

Commonwealth of Massachusetts )  
County of Middlesex )<sup>SS.</sup>

Then personally appeared the above named Linda G. Griffith and acknowledged the foregoing instrument to be her free act and deed, before me, this 23rd day of April, 1999.

  
Notary Public

My Commission expires: CAROL PHILLIPS  
Notary Public  
My Commission Expires April 23, 2004

*"Vascularized Perfused Microtissue/Micro-Organ Arrays"*

By: Linda G. Griffith, Steve R. Tannenbaum, Mark J. Powers,  
Karel Domansky, and Charles D. Thompson

Filed: March 18, 1999

ASSIGNMENT

WITNESS my hand and seal this 6 day of April, 1999.

Steve R. Tannenbaum  
Steve R. Tannenbaum

Commonwealth of Massachusetts )  
County of Middlesex )<sup>ss.</sup>

Then personally appeared the above named Steve R. Tannenbaum and  
acknowledged the foregoing instrument to be his free act and deed, before me, this  
6 day of April, 1999.

Charles K. Ray  
Notary Public

My Commission expires: July 13, 2001

*"Vascularized Perfused Microtissue/Micro-Organ Arrays"*

By: Linda G. Griffith, Steve R. Tannenbaum, Mark J. Powers,  
Karel Domansky, and Charles D. Thompson

Filed: March 18, 1999

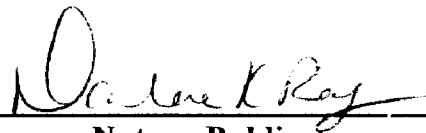
ASSIGNMENT

WITNESS my hand and seal this 6<sup>th</sup> day of April, 1999.

  
\_\_\_\_\_  
Mark J. Powers

Commonwealth of Massachusetts )  
County of Middlesex )<sup>SS.</sup>

Then personally appeared the above named Mark J. Powers and acknowledged the  
foregoing instrument to be his free act and deed, before me, this 6 day of  
April, 1999.

  
\_\_\_\_\_  
Notary Public

My Commission expires: July 13, 2002

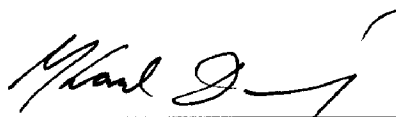
"Vascularized Perfused Microtissue/Micro-Organ Arrays"

By: Linda G. Griffith, Steve R. Tannenbaum, Mark J. Powers,  
Karel Domansky, and Charles D. Thompson

Filed: March 18, 1999

ASSIGNMENT

WITNESS my hand and seal this 6 day of APRIL, 1999.



Karel Domansky

Commonwealth of Massachusetts )  
County of Middlesex )<sup>SS.</sup>

Then personally appeared the above named Karel Domansky and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 6th day of April, 1999.



Notary Public

My Commission expires: 11/10/2000





**"Vascularized Perfused Microtissue/Micro-Organ Arrays"**

By: Linda G. Griffith, Steve R. Tannenbaum, Mark J. Powers,  
Karel Domansky, and Charles D. Thompson

Filed: March 18, 1999

ASSIGNMENT

WITNESS my hand and seal this 6<sup>th</sup> day of April, 1999.

Charles D. Thompson 4/6/99  
Charles D. Thompson

Commonwealth of Massachusetts )  
County of Middlesex )<sup>SS.</sup>

Then personally appeared the above named Charles D. Thompson and  
acknowledged the foregoing instrument to be his free act and deed, before me, this  
6<sup>th</sup> day of April, 1999.

Dan Lore K Ray  
Notary Public

My Commission expires: July 13, 2001  
0.