

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Mark G. Currie</td><td>11/16/2004</td></tr><tr><td>Shalina Mahajan-Miklos</td><td>11/22/2004</td></tr><tr><td>Angelika Fretzen</td><td>11/08/2004</td></tr><tr><td>Li Jing Sun</td><td>12/03/2004</td></tr><tr><td>Thea Norman</td><td>06/17/2005</td></tr><tr><td>G. Todd Milne</td><td>06/20/2005</td></tr></tbody></table>	Name	Execution Date	Mark G. Currie	11/16/2004	Shalina Mahajan-Miklos	11/22/2004	Angelika Fretzen	11/08/2004	Li Jing Sun	12/03/2004	Thea Norman	06/17/2005	G. Todd Milne	06/20/2005	
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G. Todd Milne	06/20/2005														
RECEIVING PARTY DATA															
Name:	Microbia, Inc.														
Street Address:	320 Bent Street														
City:	Cambridge														
State/Country:	MASSACHUSETTS														
Postal Code:	02141														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12120023</td></tr></tbody></table>	Property Type	Number	Application Number:	12120023											
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CORRESPONDENCE DATA															
Fax Number:	(269)337-7894														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	269-337-7834														
Email:	ncolosky@honigman.com														
Correspondent Name:	Kelly T. Murphy														
Address Line 1:	350 East Michigan Ave., Suite 300														
Address Line 4:	Kalamazoo, MICHIGAN 49007														
ATTORNEY DOCKET NUMBER:	223355/003CIP3D1/122534														
NAME OF SUBMITTER:	Kelly T. Murphy														

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PATENT
REEL: 024856 FRAME: 0348

Total Attachments: 8

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ASSIGNMENT

For valuable consideration, we, Mark G. Currie, of 18 Hall Avenue, Sterling, MA 01564; Shalina Mahajan-Miklos, of Stanford West, 909 Varian Way, Palo Alto, CA 94304; Angelika Fretzen, of 155R Summer Street, #1, Somerville, Massachusetts 02143, and Li Jing Sun, of 88 Greenwich Street, Unit 623, New York, NY 10006, hereby assign to

MICROBIA, INC.

a Delaware corporation, having a place of business at

320 Bent Street

Cambridge, Massachusetts 02141

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHODS AND COMPOSITIONS FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS, filed July 27, 2004 , and assigned U.S. Serial Number 10/899,806 , and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 11/16/04

Mark G. Currie
MARK G. CURRIE

STATE OF Massachusetts)
COUNTY OF Suffolk) SS.

On November 16, 2004, before me, the undersigned, a notary public for the State of Massachusetts personally appeared MARK G. CURRIE appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

Marian Ruffely
Notary Public

DATE: 11/22/04

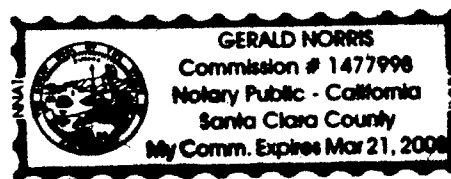
Shalina Mahajan-Miklos
SHALINA MAHAJAN-MIKLOS

STATE OF California)
COUNTY OF Santa Clara) SS.

On November 22, 2004, before me, the undersigned, a notary public for the State of California personally appeared SHALINA MAHAJAN-MIKLOS appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

Gerald Norris
Notary Public



DATE: 11/08/04

Angelika Fretzen
ANGELIKA FRETZEN

STATE OF Massachusetts)
COUNTY OF Suffolk) SS.

On November 8, 2004, before me, the undersigned, a notary public for the State of Suffolk personally appeared ANGELIKA FRETZEN appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

Mania Luppely
Notary Public

DATE: 12/3/2004

LI JING SUN

STATE OF New York,
COUNTY OF New York) SS.

On 12/3/2004, before me, the undersigned, a notary public for the State of New York personally appeared LI JING SUN appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that ~~she~~ executed the same in ~~his~~ authorized capacity and that by ~~her~~ signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

Shih-Kai Su
Notary Public

SHIH-KAI SU
No. 01SU6063952
Notary Public, State of New York
Qualified in Nassau County
My Commission Expires 1/13/05

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ASSIGNMENT

For valuable consideration, we, Thea Norman, of 1729 Bancroft Street, San Diego, CA 92102; and G. Todd Milne, of 169 Mason Terrace, Brookline, MA 02446; hereby assign to

MICROBIA, INC.

a corporation of Delaware, having a place of business at

320 Bent Street

Cambridge, Massachusetts 02141

United States of America

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHODS AND COMPOSITIONS FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS, filed July 27, 2004, and assigned U.S. Serial Number 10/899,806, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE:

June 17, 2005

Thea C. Norman
THEA NORMAN

STATE OF Massachusetts)

) SS.

COUNTY OF Middlesex)

On June 17th 2005, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared THEA NORMAN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in her authorized capacity and that by her signature on this Assignment, the person or the entity upon behalf of which she acted, executed this Assignment.

WITNESS my hand and official seal.

Manon Peffly
Notary Public

DATE: 6/20/05

G. Todd Milne
G. TODD MILNE

STATE OF Massachusetts)
) SS.
COUNTY OF Middlesex)

On June 10th 2005, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared G. TODD MILNE personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Maia R. [Signature]
Notary Public

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