

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gandha V. NARINGREKAR	10/23/2008
Kristin A. ARNOLD	10/24/2008
David ERKOBONI	10/23/2008

RECEIVING PARTY DATA

Name:	MUTUAL PHARMACEUTICAL COMPANY, INC.
Street Address:	1100 Orthodox Street
City:	Philadelphia
State/Country:	PENNSYLVANIA
Postal Code:	19124

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12143460

CORRESPONDENCE DATA

Fax Number: (202)842-7899
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: (202) 842-7800
Email: cphillipnouchet@cooley.com
Correspondent Name: Cooley Godward Kronish LLP
Address Line 1: 777 6th Street, NW
Address Line 4: Washington, DISTRICT OF COLUMBIA 20001

ATTORNEY DOCKET NUMBER:

MUTU-001/00US 307359-2001

NAME OF SUBMITTER:

Yong Lu

Total Attachments: 5

source=Assignment_MUTU_001_00US#page1.tif

source=Assignment_MUTU_001_00US#page2.tif

PATENT

REEL: 021769 FRAME: 0267

500692116

CH \$40.00 12143460

source=Assignment_MUTU_001_00US#page3.tif

source=Assignment_MUTU_001_00US#page4.tif

source=Assignment_MUTU_001_00US#page5.tif

PATENT

REEL: 021769 FRAME: 0268

ASSIGNMENT

Gandha V. NARINGREKAR residing at 12 Courthouse Lane, Princeton, NJ 08540
Kristin A. ARNOLD residing at 104 Rice Drive, Morrisville, PA 19067
David ERKOBONI residing at 35 Shara Lane, Pennington, NJ 08534
(each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **CONTROLLED-RELEASE FORMULATIONS, METHOD OF MANUFACTURE, AND USE THEREOF**, and which is a:

- (1) ☐ provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☐ bearing Application No. , and filed on ; or
- (2) ☒ non-provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☒ bearing Application No. 12/143,460, and filed on June 20, 2008.

WHEREAS, MUTUAL PHARMACEUTICAL COMPANY, INC., a corporation duly organized and having its principal place of business at 1100 Orthodox Street, Philadelphia, Pennsylvania 19124 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention; the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention; any application for patent of the United States or other countries claiming priority to these application; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY GODWARD KRONISH LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

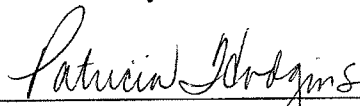
Date: 10/23/08

By: *G Varingrekar*
Gandha V. NARINGREKAR

State of <u>PENNSYLVANIA</u>) County of <u>Philadelphia</u>) ss. On <u>OCTOBER 23, 2008</u> , before me, <u>PATRICIA HODGINS</u> , Notary Public, personally appeared <u>GANDHA V. NARINGREKAR</u> , 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <u><i>Patricia Hodgins</i></u> Signature of Notary Public </div> <div style="width: 45%; text-align: center;"> Place Notary Seal Above <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 80%;"> COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL PATRICIA HODGINS, Notary Public City of Philadelphia, Phila. County My Commission Expires November 12, 2008 </div> </div> </div>
My Commission Expires: _____	

Date: 10/24/08

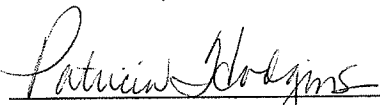
By: *Kristin A. Arnold*
Kristin A. ARNOLD

State of <u>PENNSYLVANIA</u>	}	
County of <u>Philadelphia</u>	}	ss.
<p>On <u>OCTOBER 24, 2008</u>, before me, <u>PATRICIA HODGINS</u>, Notary Public, personally appeared <u>KRISTIN ARNOLD</u>, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.</p>		
<p>WITNESS my hand and official seal.</p>		
		
Signature of Notary Public	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>COMMONWEALTH OF PENNSYLVANIA</p> <p>NOTARIAL SEAL</p> <p>PATRICIA HODGINS, Notary Public</p> <p>City of Philadelphia, Phila. County</p> <p>My Commission Expires November 12, 2008</p> </div>	
<p>My Commission Expires: _____</p>		

Date: 10-23-08By: **David ERKOBONI**State of PENNSYLVANIA)
County of Philadelphia) ss.

On OCTOBER 23, 2008, before me, PATRICIA HODGINS, Notary Public, personally appeared DAVID ERKOBONI, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.



Signature of Notary Public

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

PATRICIA HODGINS, Notary Public

City of Philadelphia, Phila. County

My Commission Expires November 12, 2008

My Commission Expires: _____