# 503487570 09/21/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3534195

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TATYANA DYAKONOV	09/16/2015
DEREK BUSH	09/02/2015
SAUJANYA GOSANGARI	09/16/2015
CHUE HUE YANG	09/16/2015
SHINGAI MAJURU	08/21/2015
AQEEL FATMI	09/16/2015

### **RECEIVING PARTY DATA**

Name:	BANNER LIFE SCIENCES	
Street Address:	et Address: 4125 PREMIER DRIVE	
City:	HIGH POINT	
State/Country:	NORTH CAROLINA	
Postal Code:	27265	

### **PROPERTY NUMBERS Total: 2**

Property Type	Number	
Application Number:	61790890	
Application Number:	14776325	

### **CORRESPONDENCE DATA**

**Fax Number:** (919)998-5701

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 9199985723

**Email:** ahasan@brinksgilson.com

Correspondent Name: AISHA HASAN

Address Line 1:4721 EMPORER BLVD., SUITE 220Address Line 4:DURHAM, NORTH CAROLINA 27703

ATTORNEY DOCKET NUMBER:	B4700 1090US.PCT
NAME OF SUBMITTER:	AISHA HASAN
SIGNATURE:	/Aisha Hasan/
DATE SIGNED:	09/21/2015

PATENT REEL: 036608 FRAME: 0654 This document serves as an Oath/Declaration (37 CFR 1.63).

### **Total Attachments: 10**

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PATENT REEL: 036608 FRAME: 0655

WCSR Docket No. B4700 1090WO

WORLDWIDE INVENTION ASSIGNMENT

WHEREAS, the undersigned (hereinafter referred to as "Assignor") has or may have

invented certain inventions and improvements disclosed in the United States patent application

entitled "SILK-BASED CAPSULES" and designated as:

International Patent Application No. PCT/US2014/026946, filed March 14, 2014;

the above applications claim priority from:

U.S. Provisional Patent Application No. 61/790,890, filed on March 15, 2013;

all applications listed above being hereinafter referred to as the "Application(s)";

WHEREAS, it is agreed that:

BANNER LIFE SCIENCES LLC

4125 Premier Drive

High Point, NC 27265, USA

(hereinafter referred to as the "Assignee"), is entitled to or is desirous of acquiring all right, title

and interest related to the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of

which is hereby acknowledged, Assignor, by these presents, does sell, assign and transfer unto

Assignee the full, exclusive and entire right, title and interest, worldwide: (i) in and to all

inventions and improvements disclosed and described in the Application(s); (ii) in and to said

Application(s) and any other United States national stage, provisional, non-provisional,

divisional, continuation, continuation-in-part, or design patent applications based in whole or in

part upon said inventions or improvements and/or claiming priority to said Application(s) (the

"U.S. Applications"); (iii) in an to any Patent Cooperation Treaty applications based in whole or

in part upon said inventions or improvements and/or claiming priority to said Application(s); (iv)

in and to any and all applications for industrial property protection, including without limitation

applications for patent, utility model, inventor's certificate, and design, filed or which are

hereafter filed in countries outside the United States (the "Foreign Applications") and which

describe in whole or in part said inventions and improvements, said Foreign Applications to be

Page 1 of 10

filed and issued in the name of Assignee or its designee insofar as permitted by applicable law; (v) in and to all patents or similar protective rights in the United States or elsewhere which may be granted on the U.S. Applications and Foreign Applications and all reissues, reexaminations, and extensions thereof, any and all such patents or other protective rights to issue in the name of Assignee and for the sole use and behoof of Assignee and its successors and assigns; and (vi) in and to the right to claim any applicable foreign or domestic priority rights arising from or required for any of the aforementioned applications under the terms of any applicable conventions, treaties, statutes, or regulations.

AND, for the same consideration, Assignor agrees to (i) communicate to Assignee, its successors, legal representatives, and assigns any facts known to Assignor respecting said inventions and improvements or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions or improvements; (ii) sign or execute all lawful papers, applications, declarations, affidavits, assignments and rightful oaths that may be requested by Assignee during prosecution or enforcement of any rights related to the inventions and improvements; (iii) testify in any proceedings relating to said inventions or improvements or rights granted therefor; and (iv) generally do everything possible to aid Assignee and its successors, legal representatives and assigns, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Assignor covenants with Assignee, its successors, legal representatives, and assigns that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned. Assignor further agrees that Assignee, its successors, legal representatives and assigns, may insert into this Assignment any further text necessary or desirable to define the Applications to which the Assignment pertains for purposes of recordation, and also agrees that the Assignment is effective at least as early as March 15, 2013, the earliest priority date of the Application(s).

Page 2 of 10

### INVENTOR DECLARATION

Assignor(s) intends for this Assignment to also serve as a U.S. declaration under 37 C.F.R. § 1.63(e)(1). Accordingly, with respect to the U.S. Application(s) identified herein, each undersigned inventor hereby declares that:

- (1) the above-identified Application(s) was/were made or authorized to be made by me;
- (2) I believe that I am the original inventor or an original joint inventor of a claimed invention in the Application(s);
- (3) I have reviewed and understand the contents of the above-identified Application(s), including the claims;
- (4) I acknowledge the duty to disclose any information that is material to patentability of the Applications as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which become available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application; and
- (5) I hereby acknowledge that any willful false statement made in this Assignment and Declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

IN WITNESS WHEREOF, I/we declare and acknowledge the foregoing by executing our signatures on the pages below: [counterparts are acceptable]

Page 3 of 10

### **ASSIGNORS / DECLARANTS**

Date: 09/16

### **ATTESTATION**

State of North Carolina

County of Randolph

I, Phylis Hardin, a Notary Public for said County and State, do hereby certify that Tatyana Dyakonov personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

DEREK BUSH

Date: 09-02-2015

ATTESTATION

State of North Carolina

County of Pinellas

I. Proble Garge, a Notary Public for said County and State, do hereby certify that Derek Bush personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 2nd day of September, 2015.

Notable Cange

SMy Commission Expires 12/10/2017

SMy Commission No. FF 75464

My commission expires  $12 \cdot 10 \cdot 2017$ 

### ATTESTATION

State of North Carolina

County of Randolph

I, Phylis Hardin, a Notary Public for said County and State, do hereby certify that Saujanya Gosangari personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Randolph County

My Commission Expires

07/29/2019

My CAROLIMIT

My commission expires 07/29/2019

Date: 9/16/2015

### **ATTESTATION**

State of North Carolina

County of Randolph

I, Phylis Hardin, a Notary Public for said County and State, do hereby certify that Chue Hue Yang personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

	SHINGAI MAJURU
	Date: <u>08/8.1/8.015</u>
	ATTESTATION
	State of North Carolina County of Dwham
	I, \(\sum_{\overline{\colored}}\), a Notary Public for said County and State, do hereby certify that \(\frac{\colored}{\colored}\) Bhingai Majuru personally appeared before me this day and acknowledged the due execution of the foregoing instrument.
111	Wither they hand and official seal, this the 21st day of 1 mg (25t ), 2015.
	S (Other 18 )
38	more 3 ILLAR
	Notary Public Notary Public
****	My commission expires 13/67/2016

Aa	feefalm.	
AQEI	EL FATMI	

Date: 9/16/2015

### **ATTESTATION**

State of North Carolina

County of Randolph

I, Phylis Hardin, a Notary Public for said County and State, do hereby certify that Aqeel Fatmi personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my rands and official seal, this the 16 day of September, 2015.

(Official Soul of Public Zana Connission County Connission Exology Exo

Notary Public

My commission expires 07/29/2019

#### ACCEPTED AND ACKNOWLEDGED BY ASSIGNEE

### BANNER LIFE SCIENCES LLC

4125 Premier Drive High Point, NC 27265, USA

By (signature): Ageo Jahrm
Name and Title: AQEEL FATMI,
Executive Vice President, Global Research and Development, BANNER LIFE SCIENCES LLC
Date: 9/16/295

#### **ATTESTATION**

State of North Carolina

County of Randolph

I, Phylis Hardin, a Notary Public for said County and State, do hereby certify that Aqeel Fatmi personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my handand official seal, this the 16 day of September, 2015.

(Official Notary Public Rondolph County Rondolph County My Commission Expires 77/29/2019

Applie E. Harlen Witness my nandand official seal, this the Commission Expires 107/29/2019

My commission expires 57/29/2019

My commission expires 57/29/2019

RECORDED: 09/21/2015

Page 10 of 10

**PATENT REEL: 036608 FRAME: 0665**