### 505602516 08/01/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5649316

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
EFROSINI KOKKOLI	08/01/2019
HUIHUI KUANG	08/01/2019

### **RECEIVING PARTY DATA**

Name:	REGENTS OF THE UNIVERSITY OF MINNESOTA
Street Address:	600 MCNAMARA ALUMNI CENTER
Internal Address:	200 OAK STREET SE
City:	MINNEAPOLIS
State/Country:	MINNESOTA
Postal Code:	55455-2020

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15321644

### **CORRESPONDENCE DATA**

Fax Number:

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:** 952-876-4087

**Email:** apalbicki@vhpmlaw.com, docketing@vhpmlaw.com

Correspondent Name: VIKSNINS HARRIS PADYS MALEN LLP

Address Line 1: 7851 METRO PARKWAY

Address Line 2: SUITE 325

Address Line 4: BLOOMINGTON, MINNESOTA 55425

ATTORNEY DOCKET NUMBER:	09531.393US1
NAME OF SUBMITTER:	ASHLEY PALBICKI
SIGNATURE:	/Ashley Palbicki/
DATE SIGNED:	08/01/2019

#### **Total Attachments: 6**

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PATENT 505602516 REEL: 049937 FRAME: 0662

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> PATENT REEL: 049937 FRAME: 0663



## University of Minnesota <u>ASSIGNMENT</u>

WHEREAS, I, EFROSINI KOKKOLI, have invented certain new and useful inventions in NUCLEIC ACID AMPHIPHILES AND NANOSTRUCTURES, for which applications for Letters Patents of the United States have been made, said applications being filed as follows: PCT/US2015/037005 on June 22, 2015; and Utility application no. 15/321,644 on December 22, 2016 (the "Application(s)");

WHEREAS, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all Letters Patent to be obtained therefor;

WHEREAS, I hereby acknowledge an obligation of assignment of the inventions disclosed in the Application(s) to Assignee at the time the invention(s) was made;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including rights of priority under the Paris Convention for the Protection of Industrial Property and the European Patent Convention, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of all rights of priority created by said Application(s) under any treaty relating thereto (including the right to claim priority to said patent application, e.g., under the provisions of the Paris Convention for the Protection of Industrial Property and the European Patent Convention).

Attorney Docket Number 09531.393WO1 & 09531.393US1 UM Case No. 20140227

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PATENT REEL: 049937 FRAME: 0664 Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

IN WITNESS WHEREOF, I have her August, 2019.	eunto set my hand on this
	EFROSINI KOKKOLI
Witnessed by:	Witnessed by:
Signature: Lde Sweer	Signature:  Many L
Print Name:	Print Name:
AdaSimari	MICHAEL TSAPATSIS
Date: Aug 1, 2019	Date: Aug 1, 2019

Attorney Docket Number 09531.393WO1 & 09531.393US1 UM Case No. 20140227

IN WITNESS WHEREOF, I have hereunto set my hand on this/\(\sigma \frac{1}{2}\) day of
REGENTS OF THE UNIVERSITY OF MINNESOTA  Carol Grutkoski Chief of Staff/Operations Manager
STATE OF MINNESOTA ) COUNTY OF HENNEPIN )
On this
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.
Notary Public
PESA M. GILATS Notary Public-Minnesota My Commission Expires Jist 31, 2021

Attorney Docket Number 09531.393WO1 & 09531.393US1 UM Case No. 20140227

PATENT

REEL: 049937 FRAME: 0666



# University of Minnesota <u>ASSIGNMENT</u>

WHEREAS, I, HUIHUI KUANG, have invented certain new and useful inventions in NUCLEIC ACID AMPHIPHILES AND NANOSTRUCTURES, for which applications for Letters Patents of the United States have been made, said applications being filed as follows: PCT/US2015/037005 on June 22, 2015; and Utility application no. 15/321,644 on December 22, 2016 (the "Application(s)");

WHEREAS, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all Letters Patent to be obtained therefor;

WHEREAS, I hereby acknowledge an obligation of assignment of the inventions disclosed in the Application(s) to Assignee at the time the invention(s) was made;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including rights of priority under the Paris Convention for the Protection of Industrial Property and the European Patent Convention, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of all rights of priority created by said Application(s) under any treaty relating thereto (including the right to claim priority to said patent application, e.g., under the provisions of the Paris Convention for the Protection of Industrial Property and the European Patent Convention).

Attorney Docket Number 09531.393WO1 & 09531.393US1 UM Case No. 20140227

1

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

IN WITNESS WHEREOF, I have he	reunto set my hand on thisday of
*	Huilus Kvang HUIHUI KUANG
Witnessed by:	Witnessed by:
Signature:	Signature:  Mseepals
Print Name:	Print Name:
<u>AdaSımarı</u>	MICHAEL TSAPATSIS
Date: Aug 1, 2019	Date: Aug 1, 2019

Attorney Docket Number 09531.393WO1 & 09531.393US1 UM Case No. 20140227

IN WITNESS WHEREOF,	I have hereunto set my hand on this day of behalf of Assignee Regents of the University of Minnesota
	REGENTS OF THE UNIVERSITY OF MINNESOTA
	Carol Gruskoski Chief of Staff/Operations Manager
STATE OF MINNESOTA  COUNTY OF HENNEPIN	)
On this / 5t day of	, 2019, before me personally appeared be the person described in and who executed the foregoing s/he executed the same as his/her free act and deed.
IN WITNESS WHEREOF, office, the day and year above writt	I have hereunto affixed my official signature with the seal of my en.
	Notary Public
	RESA M. GILATS  Notary Public-Minnesota  My Commission Expires Jan 31, 2021

Attorney Docket Number 09531.393WO1 & 09531.393US1 UM Case No. 20140227

PATENT

REEL: 049937 FRAME: 0669