

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5897946

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALEXANDROS MAKRIYANNIS	03/12/2018
VIDYANAND G SHUKLA	01/06/2020
SHAKIRU O ALAPAFUJA	12/31/2019
RECEIVING PARTY DATA	
Name:	NORTHEASTERN UNIVERSITY
Street Address:	360 HUNTINGTON AVENUE
Internal Address:	CENTER FOR RESEARCH INNOVATION; 450-177
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02115
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15328428
CORRESPONDENCE DATA	
Fax Number:	(978)341-0136
<i>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.</i>	
Phone:	978-341-0036
Email:	kellie.varno@hbsr.com
Correspondent Name:	DEIRDRE E. SANDERS ESQ.
Address Line 1:	530 VIRGINIA ROAD, P.O. BOX 9133
Address Line 2:	HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
Address Line 4:	CONCORD, MASSACHUSETTS 01742-9133
ATTORNEY DOCKET NUMBER:	5200.1055-002 (INV-15006)
NAME OF SUBMITTER:	KELLIE J. VARNO
SIGNATURE:	/Kellie J. Varno/
DATE SIGNED:	01/07/2020
Total Attachments: 7	
source=5200.1055-002 Assignment#page1.tif	
source=5200.1055-002 Assignment#page2.tif	

source=5200.1055-002 Assignment#page3.tif
source=5200.1055-002 Assignment#page4.tif
source=5200.1055-002 Assignment#page5.tif
source=5200.1055-002 Assignment#page6.tif
source=5200.1055-002 Assignment#page7.tif

JointASSIGNMENT

WHEREAS, we, **Alexandros Makriyannis, Vidyanand G Shukla and Shakiru O Alapafuja** have invented a certain improvement in **Urea/Carbamates FAAH/MAGL Or Dual FAAH/MAGL Inhibitors And Uses Thereof** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office *(use for utility (37 CFR § 1.53(b)) and design filings only)*;
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☐ the specification of which is United States Application No. [], filed [];
- ☒ the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US2015/042055, filed July 24, 2015, which designates the United States of America and is assigned United States Application No. **15/328,428**;
- ☐ which was patented under United States Patent No. [].

WHEREAS, **Northeastern University** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **Center for Research Innovation; 450-177, 360 Huntington Avenue, Boston, Massachusetts 02115** desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the

Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor A. Makriyannis Date 3/12/18
 Alexandros Makriyannis

Witness Signature [Signature]
 Print Witness Name Patricia Schmucker

Witness Signature [Signature]
 Print Witness Name DAWN RESURRECTION

Inventor _____ Date _____
 Vidyanand G Shukla

Witness Signature _____
 Print Witness Name _____

Witness Signature _____
 Print Witness Name _____

Inventor _____ Date _____
Shakiru O Alapafuja

Witness Signature _____

Print Witness Name _____

Witness Signature _____

Print Witness Name _____

JointASSIGNMENT

WHEREAS, we, **Alexandros Makriyannis, Vidyanand G Shukla and Shakiru O Alapafuja** have invented a certain improvement in **Urea/Carbamates FAAH/MAGL Or Dual FAAH/MAGL Inhibitors And Uses Thereof** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office *(use for utility (37 CFR § 1.53(b)) and design filings only)*;
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☐ the specification of which is United States Application No. [], filed [];
- ☒ the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US2015/042055, filed July 24, 2015, which designates the United States of America and is assigned United States Application No. **15/328,428**;
- ☐ which was patented under United States Patent No. [].

WHEREAS, **Northeastern University** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **Center for Research Innovation; 450-177, 360 Huntington Avenue, Boston, Massachusetts 02115** desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the

Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;


AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;


AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

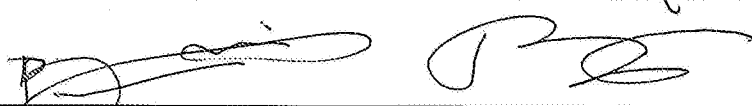
Inventor _____ Date _____
Alexandros Makriyannis

Witness Signature _____
Print Witness Name _____

Witness Signature _____
Print Witness Name _____

Inventor  Date 01/06/2020
Vidyanand G Shukla

Witness Signature  01/06/2020
Print Witness Name MANISHABRATA BHATTACHARYA

Witness Signature 
Print Witness Name P. S. Sun 01-06-2020

Inventor _____ Date _____

Shakiru O Alapafuja

Witness Signature _____

Print Witness Name _____

Witness Signature _____

Print Witness Name _____

Inventor

Shakiru O Alapafuja

Date 12/31/2019

Witness Signature

Print Witness Name

Carolyn Clayton

Witness Signature

Print Witness Name

Jonathan Toll