PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYAN MURELLI	05/31/2017

RECEIVING PARTY DATA

Name:	RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK	
Street Address:	230 WEST 41ST STREET	
City:	NEW YORK	
State/Country:	NEW YORK	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16094682

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ATTORNEY DOCKET NUMBER:	USTL.P0071US 2 OF 2
NAME OF SUBMITTER:	JENNIFER NORMAN-WOLFE
SIGNATURE:	/Jennifer Norman-Wolfe/
DATE SIGNED:	02/15/2019

Total Attachments: 4

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PATENT 505331511 REEL: 048345 FRAME: 0165

ASSIGNMENT

This Patent Assignment ("Assignment") is made and entered into as of by and between Ryan MURELLI (the "Assignor(s)") and RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK, having a place of business at 230 West, 41st Street, New York, NY 10036 (the "Assignee").

WHEREAS, Assignor(s) has agreed to assign and transfer to Assignee, and Assignee has agreed to acquire and accept from Assignor(s), Assignor(s)'s rights in International Patent Application, Serial No. PCT/US2017/028390, filed April 19, 2017, which claims priority to U.S. Provisional Patent Applications, Serial No. 62/324,675, filed April 19, 2016 and Serial No. 62/447,158, filed January 17, 2017.

NOW, THEREFORE, in consideration of the premises, mutual covenants and provisions herein contained, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the parties hereto agree to execute this Assignment, as follows:

- 1.0 Assignment. The Assignor(s) has assigned and/or by these presents does hereby assign, transfer and convey unto Assignee, the Assignor(s)'s whole and entire right, title and interest for the United States and all other countries throughout the world (i) in and to the inventions claimed or disclosed in the Assigned Patents, including all patents granting from the Assigned Patents or any continuation, continuation-in-part, division, renewal, substitute, reexamination or reissue thereof, including any patents in the United States and in all other countries throughout the world obtained based upon a claim of priority to any said Assigned Patents as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, or other applicable law, as well as the right to claim priority to any said Assigned Patents as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law, and (ii) in and to all rights to sue for and collect damages resulting from past, present and future infringement of said patents and patent applications in (i).
- **2.0 Enjoyment.** The patents and patent applications subject to Paragraph 1 shall be held and enjoyed by Assignee, for Assignee's use and benefit, and for Assignee's legal representatives and assigns, to the full end of the term or terms for which same may be granted, as fully and entirely as the same would have been held by Assignee had this assignment and transfer not been made.
- 3.0 Authorize and Request. Assignor(s) authorizes and requests the issuing authority to issue any and all United States and foreign patents granted on such patents and patent applications in 1.0(i) to the Assignee.
- 4.0 Warrant and Covenant. Assignor(s) warrants and covenants that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the Assignor(s), and that the full right to convey the same as herein expressed is possessed by the Assignor(s).

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- **5.0 Assistance.** The parties to this Assignment shall use commercially reasonable efforts to take, or cause to be taken, all actions, and to do, or cause to be done, all things, necessary or advisable to consummate the transactions contemplated by this Assignment. Without limiting the foregoing, each of Assignor(s) and Assignee shall cooperate with the other without any further consideration to execute and deliver, or use commercially reasonable efforts to cause to be executed and delivered, all documents as may reasonably be necessary to secure the vesting in Assignee of all rights assigned to Assignee by this Assignment, including without limitation any documents required to record this Assignment with local patent offices, and all rightful oaths, declarations, and other papers.
- **6.0 Binding.** The Assignment is binding on the heirs, assigns, representatives and successors of the Assignor(s) and extends to the successors, assigns and nominees of the Assignee.
- 7.0 Effectiveness. The assignment of said inventions is or was effective as of the earlier of (1) the date of execution of the Assignor(s) indicated below or (2) the filing date of the first filed of the patent applications of the Assigned Patents.

(Signature page follows)

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IN WITNESS WHEREOF, each of the parties hereto has executed this Patent Assignment, or has caused this Patent Assignment to be executed on its behalf by a representative duly authorized.
Ryan MURELLI
Signature: Date: 5/3/1/2
STATE OF New York COUNTY OF Kings
BEFORE ME, the undersigned authority, on this 3/ day of May, 2011 personally appeared humelli, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.
Virginia M. Alonso Notary or Consular Officer
[SEAL]
VIRGINIA M. ALONSO NOTARY PUBLIC-STATE OF NEW YORK

No. 01AL5056615
Qualified in Kings County
My Commission Expires January 31, 2019

IN WITNESS WHEREOF, each of the parties hereto has executed this Patent Assignment, or has caused this Patent Assignment to be executed on its behalf by a representative duly authorized.

RESEARC	H FOUNDATION OF THE	
CITY UNI	EŖSITY OF NEW YORK	
x		•
Name: 🕢	JERRY Stefie	y
Title:	CHIEF OPERATING OFFICER	
Date:	N20118	-
		•

STATE OF NOW YOUL

BEFORE ME, the undersigned authority, on this 2 day of 2018 personally appeared 2018, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]

Notary or Consular Officer

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MATTHEW R. DROST Notary Public, State of New York Reg. No. 02DR6205243 Qualified in New York County Commission Expires May 04, 20 32

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RECORDED: 02/15/2019

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