

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gabriel P. Lopez</td> <td>10/02/2012</td> </tr> <tr> <td>Vrad W. Levering</td> <td>10/02/2012</td> </tr> <tr> <td>Xuanhe Zhao</td> <td>10/03/2012</td> </tr> <tr> <td>Phanindhar Shivapooja</td> <td>10/02/2012</td> </tr> <tr> <td>Qiming Wang</td> <td>10/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Gabriel P. Lopez	10/02/2012	Vrad W. Levering	10/02/2012	Xuanhe Zhao	10/03/2012	Phanindhar Shivapooja	10/02/2012	Qiming Wang	10/03/2012
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Duke University</td> </tr> <tr> <td>Street Address:</td> <td>2812 Erwin Road</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 306</td> </tr> <tr> <td>City:</td> <td>Durham</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>27705</td> </tr> </table>		Name:	Duke University	Street Address:	2812 Erwin Road	Internal Address:	Suite 306	City:	Durham	State/Country:	NORTH CAROLINA	Postal Code:	27705
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CORRESPONDENCE DATA													
<p>Fax Number: 8887371649</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-342-4882</p> <p>Email: jsadler@olivelawgroup.com</p> <p>Correspondent Name: Bentley J. Olive PLLC</p> <p>Address Line 1: 125 Edinburgh South Drive</p> <p>Address Line 2: Suite 100</p> <p>Address Line 4: Cary, NORTH CAROLINA 27511</p>													
ATTORNEY DOCKET NUMBER:	210/8 PCT												

NAME OF SUBMITTER:

Laura L. Kiefer

Total Attachments: 4

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PATENT

Atty. Docket No.: 210/8 PCT

ASSIGNMENT

WHEREAS, we, **Gabriel P. Lopez**, City of Durham, State of North Carolina; **Vrad W. Levering**, City of Durham, State of North Carolina; **Xuanhe Zhao**, City of Durham, State of North Carolina; **Phanindhar Shivapooja**, City of Durham, State of North Carolina; and **Qiming Wang**, City of Durham, State of North Carolina; (hereinafter "Assignors"), have invented certain new and useful improvements in **SYSTEMS AND METHODS FOR ACTIVE BIOFOULING CONTROL** for which Application for a Patent Cooperative Treaty patent application was filed September 28, 2012, having Serial No. **PCT/US12/58000**.

AND, WHEREAS, Duke University, a university located in the City of Durham, State of North Carolina (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the Assignee, its successors and assigns, his entire right, title and interest in and to the invention and application, and in and to any and all foreign patent applications filed on the invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with his right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made.

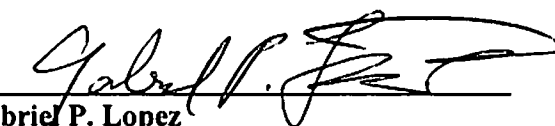
Assignors hereby request that said Letters Patent be issued in accordance with this assignment.

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Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and application above-mentioned, and that they have the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise binds their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

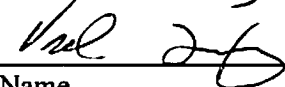
Executed this 2nd day of October, 2012.



Gabriel P. Lopez

Witnessed by:

Vred. Levering

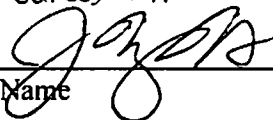


Name

10-2-12

Date

James M. Harris



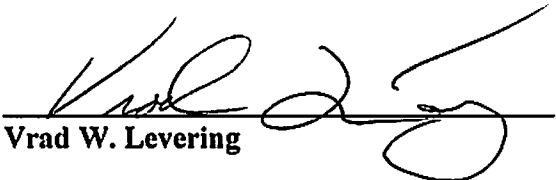
Name

10-2-12

Date

Atty. Docket No.: 210/8 PCT

Executed this 2 day of October, 2012.


Vlad W. Levering

Witnessed by:

Leah Johnson


Name

10-2-12 
Date

James H. Harris


Name

10-2-12
Date

Executed this 3 day of October, 2012.


Xuanhe Zhao

Witnessed by:

Domini Polino

Name

8/3/12
Date

Qing Tu Qing Tu

Name

10/3/12
Date

Atty. Docket No.: 210/8 PCT

Executed this 2nd day of October, 2012.

S. Phanindhar
Phanindhar Shivapooja

Witnessed by:

LEAH JOHNSON
[Signature] 10-2-12
Name Date
James M. Harris

[Signature] 10-2-12
Name Date

Executed this 3rd day of October, 2012.

Qiming Wang
Qiming Wang

Witnessed by:

Georgy Sankin [Signature] 10/3/2012
Name Date

Qing Tu. Qing Tu 10/3/2012
Name Date
