

## 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>Richard C. Flagan</td> <td>02/13/2013</td> </tr> <tr> <td>Wilton Mui</td> <td>02/13/2013</td> </tr> <tr> <td>Andrew J. Downard</td> <td>02/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Richard C. Flagan	02/13/2013	Wilton Mui	02/13/2013	Andrew J. Downard	02/15/2013
Name	Execution Date								
Richard C. Flagan	02/13/2013								
Wilton Mui	02/13/2013								
Andrew J. Downard	02/15/2013								
RECEIVING PARTY DATA									
Name:	California Institute of Technology								
Street Address:	1200 E. California Blvd.								
City:	Pasadena								
State/Country:	CALIFORNIA								
Postal Code:	91125								
PROPERTY NUMBERS Total: 2									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13768817</td> </tr> <tr> <td>PCT Number:</td> <td>US2013026436</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13768817	PCT Number:	US2013026436		
Property Type	Number								
Application Number:	13768817								
PCT Number:	US2013026436								
CORRESPONDENCE DATA									
Fax Number:	3106418798								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	3106418797								
Email:	npainter@gates-cooper.com								
Correspondent Name:	GATES & COOPER LLP (General)								
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ATTORNEY DOCKET NUMBER:	176.78-US-U1 AND WO-U1								
NAME OF SUBMITTER:	Jason S. Feldmar								
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif									

OP \$80.00 13768817

## ASSIGNMENT

WHEREAS, Richard C. Flagan, Wilton Mui, and Andrew J. Downard, (hereinafter "Assignor(s)"), made certain new and useful inventions and improvements which are entitled OPPOSED MIGRATION AEROSOL CLASSIFIER GAS AND HEAT EXCHANGER and which are disclosed in:

U.S. Provisional Application filed on February 17, 2012, as serial no. 61/600,434 and listing the above named person(s) as inventor(s);

U.S. Application filed on February 15, 2013 as serial no. 13/768,817 and listing the above named person(s) as inventor(s);

PCT International Application filed on February 15, 2013 as international application no. PCT/US13/26436 and listing the above named person(s) as inventor(s)

AND WHEREAS, CALIFORNIA INSTITUTE OF TECHNOLOGY, a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 1200 E. California Blvd, Pasadena, CA 91125 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, Assignor(s) have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and do hereby authorize and request the Commissioner for Patents to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee

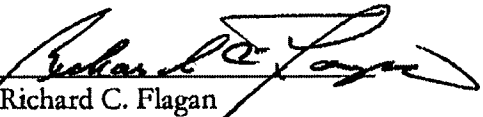
as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns;

AND, for the consideration aforesaid, Assignor(s) do hereby agree that they and their executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to Assignor(s) relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

AND, an attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known;

AND, furthermore Assignor(s) covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by Assignor(s) and that full right to convey the same as herein expressed is possessed by Assignor(s).

Date: 2/13/2013

Signature:   
Name: Richard C. Flagan

Date: 2/13/2013

Signature:   
Name: Wilton Mui

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: Andrew J. Downard

as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns;

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Date: \_\_\_\_\_

Signature: \_\_\_\_\_


Name: Richard C. Flagan

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: Wilton Mui

Date: 15 February 2013

Signature: 

Name: Andrew J. Downard