

03-22-2006

Docket No.: DREX-1002US

U.S. DEPARTMENT OF COMMERCE
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103202633

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Lawrence Kennedy
Alexei Sayeliev
Andrey Romanets

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: **Board of Trustees**

Address: **352 Henry Administration Building**
506 S. Wright Street

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

City: **Urbana**

State/Prov.: **IL**

Country: **US**

ZIP: **61801-3640**

Execution Date: **July 19, 2004 and December 12, 2004**

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

10/560,537

Internat'l Filing Date
June 18, 2004

03/21/2006 DBYRNE 00000231 10560537

01 FC:8021

40.00 dp

Additional numbers

☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Kevin J. Dunleavy**

Registration No. **32,024**

Address: **Knoble Yoshida & Dunleavy, LLC**

Eight Penn Center, Suite 1350

1628 John F. Kennedy Boulevard

City: **Philadelphia**

State/Prov.: **PA**

Country: **US**

ZIP: **19103**

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ **40.00**

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☐ Authorized to be charged to deposit account

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kevin J. Dunleavy

Name of Person Signing

Signature

15 March 2006

Date

Total number of pages including cover sheet, attachments, and document:

5

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P.O. Box 1450, Alexandria, VA 22313-1450

PATENT
REEL: 017691 FRAME: 0917

ASSIGNMENT

WHEREAS, We, Lawrence Kennedy, 23406 West Tumbery Court, Naperville, IL 60564, United States of America; Alexei Saveliev, 61 West 15th Street, Apt. 211, Chicago, IL 60605, United States of America; and Andrey Romanets, 28 Krasnaya Ploshad Street, App. 12, Morshansk, Tambov Region, Russia 393950; Russian Federation, (hereinafter collectively referred to as "the Assignor"), are the inventors of certain inventions or improvements for which we have made application for Letters Patent under the Patent Cooperation Treaty, identified as International Patent Application No. PCT/US04/19590, entitled, "Vortex Reactor And Method Of Using It," having been filed on June 18, 2004, and for which we have filed U.S. provisional application no. 60/551,725, on March 10, 2004, and U.S. provisional application no. 60/480,341, on June 20, 2003.

WHEREAS, the BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, having a place of business at 352 Henry Administration Building, 506 S. Wright St., Urbana, IL 61801-3640, United States of America, (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said applications, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, We, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said applications including the right to claim priority to the applications in any foreign application entitled to claim such priority under national law, international conventions, treaties or otherwise, and any and all continuations, divisions and renewals of and substitutes for said applications, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our name applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND We hereby covenant that We have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title

to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, all known facts respecting said inventions or improvements, said applications and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Director – U.S. Patent and Trademark Office and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the applications aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

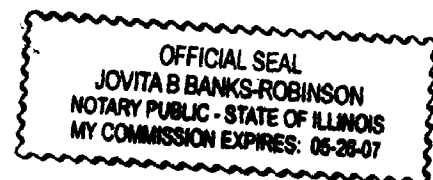
Dated: July 19, 2004 Lawrence Kennedy (L. S.)
Lawrence Kennedy, Inventor

Notarial Certificate

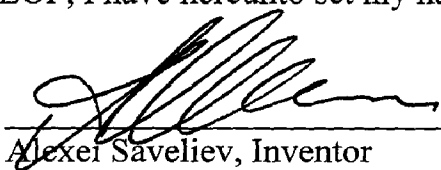
State of)
)
County)

Before me personally appeared Lawrence Kennedy, who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same the 19th day of July, in the year 2004.

Jovita B. Banks-Robinson
Notary Public



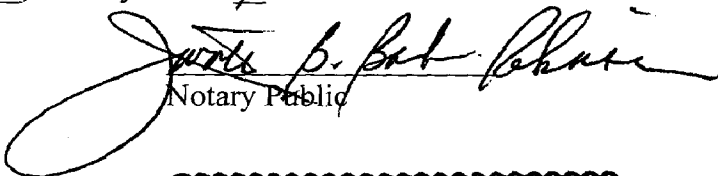
IN WITNESS WHEREOF, I have hereunto set my hand and seal.

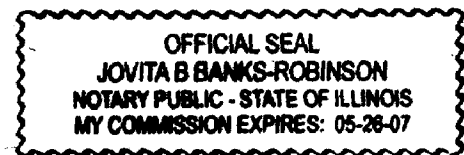
Dated: July 19, 2004  (L. S.)
 Alexei Saveliev, Inventor

Notarial Certificate

State of _____)
)
 County _____)

Before me personally appeared Alexei Saveliev, who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same the 19 day of July, in the year 2004.


 Notary Public



IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Dated: 10.12.2004  (L. S.)
Andrey Romanets, Inventor

Notarial Certificate

State of _____)
County Russia)

Before me personally appeared Andrey Romanets, who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same the _____ day of _____, in the year 200__.

Notary Public