

U.S. PTO  
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FORM PTO-1595  
(Rev. 6-93)

RECORDATION FORM  
PATENTS ONLY



103402541

ACE  
file

Attorney Docket No.: 056100-5007-02

To the Commissioner for Patents

Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

Russell J. HEMLEY  
Ho-Kwang MAO  
Chih-shiue YAN  
Yogesh K. VOHRA

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: Carnegie Institution of Washington  
and The UAB Research Foundation

Street Address: 1530 P Street, N.W.  
and 701 South 20th Street, Suite 1120G

City: Washington, D.C. 20005  
and Birmingham, Alabama 35294-0111

Country: U.S.

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: February 5, 2003

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

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

This is a divisional application filed April 23, 2007

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached: ☐ Yes ☒ No

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

Name: Mark J. Sullivan

Internal Address: Morgan, Lewis & Bockius LLP  
Customer No. 09629

Street Address: 1111 Pennsylvania Ave., N.W.  
City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00

☐ Enclosed

☒ Authorized to be charged to Deposit Account 50-0310

8. Deposit Account No. 50-0310

(Attach duplicate page if paying by deposit account)

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.

Mark J. Sullivan

Name of Person Signing

Signature

Date: April 23, 2007

Total number of pages including cover sheet, attachments and documents: 5

05/07/2007 DBYRNE  
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40.00 DA

1-WA/2155687.1

PATENT  
REEL: 019267 FRAME: 0122

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

APPARATUS AND METHOD FOR DIAMOND PRODUCTION

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on November 6, 2002, (Serial No. 10/288,499); and

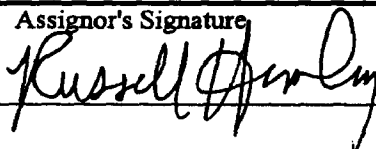
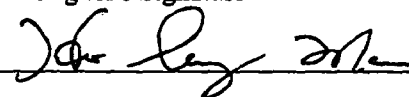
WHEREAS, Carnegie Institution of Washington, is duly organized and existing under the laws of the District of Columbia, whose post office address is 1530 P Street, N.W., Washington, D.C. 20005 and The UAB Research Foundation, whose post office address is 701 South 20th Street, Suite 1120G, Birmingham, AL 35294-0111, (hereinafter referred to as Assignees), are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignees are hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignees, their lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with the assignees, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignees, their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignees, their successors and assigns.

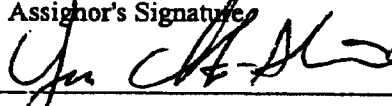
AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of First Assignor	Assignor's Signature	Date
Russell J. Hemley		5 Feb 2003
Address		Citizenship
5251 Broad Branch Road N.W., Washington, D.C. 20015		United States
Full Name of Second Assignor	Assignor's Signature	Date
Ho-Kwang Mao		Feb 5 2003
Address		Citizenship
5251 Broad Branch Road N.W., Washington, D.C. 20015		United States

Names of additional inventors attached [X] Yes [ ] No

Morgan, Lewis & Bockius LLP

Full Name of Third Assignor	Assignor's Signature	Date
Chih-shiue Yan		02/05/03
Address		Citizenship
5251 Broad Branch Road N.W., Washington, D.C. 20015		Taiwan
Full Name of Fourth Assignor	Assignor's Signature	Date
Yogesh K. Vohra		
Address		Citizenship
701 South 20th Street, Suite 1120G, Birmingham, AL 35294		United States

Names of additional inventors attached ☐ Yes ☒ No

Morgan, Lewis & Bockius LLP

ATTORNEY DOCKET NO: 056100-500  
SOLE/JOINT INVENTIO  
(U.S. Rights Onl

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WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

### APPARATUS AND METHOD FOR DIAMOND PRODUCTION

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on November 6, 2002, (Serial No. 10/288,499); and

WHEREAS, Carnegie Institution of Washington, is duly organized and existing under the laws of the District of Columbia, whos post office address is 1530 P Street, N.W., Washington, D.C. 20005 and The UAB Research Foundation, whose post office address is 70 South 20th Street, Suite 1120G, Birmingham, AL 35294-0111, (hereinafter referred to as Assignees), are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to b issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignees are hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignees, their lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, an all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for thi invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with the assignees its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignees, their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignees, their successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

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Full Name of Second Assignor	Assignor's Signature	Date
Ho-Kwang Mao		
Address		Citizenship
5251 Broad Branch Road N.W., Washington, D.C. 20015		United States

Names of additional inventors attached ☒ Yes ☐ No

Morgan, Lewis & Bockius LLP

Full Name of Third Assignor	Assignor's Signature	Date
Chih-shine Yan		
Address		Citizenship
5251 Broad Branch Road N.W., Washington, D.C. 20015		Taiwan
Full Name of Fourth Assignor	Assignor's Signature	Date
Yogesh K. Vohra	<i>YK Vohra</i>	02/05/03
Address		Citizenship
701 South 20th Street, Suite 1120G, Birmingham, AL 35294		United States

Names of additional inventors attached ☐ Yes ☒ No

Morgan, Lewis &amp; Bockius LLP

1-WA/1557688.1

PATENT

RECORDED: 04/23/2007

REEL: 019267 FRAME: 0126