

Form PTO-1595 (Rev. 09/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. Department of COMMERCE  
United States Patent and Trademark Office

## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Buchwald, Stephen L.  
Klapars, Artis  
Kwong, Fuk Y.  
Streiter, Eric R.  
Zanon, Jacopo

Execution Date(s) 9/17/03; 9/23/03; 10/10/03; 9/17/03;  
10/6/03

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: Massachusetts Institute of Technology

Internal Address: \_\_\_\_\_

Street Address: Five Cambridge Center, NE25-230

City: Cambridge

State: MA

Country: USA Zip: 02142

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

A. Patent Application No.(s)  
10/631,480

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Dana M. Gordon

Internal Address: \_\_\_\_\_

Street Address: 155 Seaport Boulevard

City: Boston

State: MA Zip: 02210-2600

Phone Number: 617-832-1765

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved: 1**

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

- a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 06-1448  
Authorized User Name \_\_\_\_\_

**9. Signature:**

Dana Gordon

Signature

Dana M. Gordon

Name of Person Signing

December 9, 2004

Date

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

7

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, VA 22313-1450

700137376

PATENT  
REEL: 015441 FRAME: 0881

CH \$40.00 061448 10631480

**ASSIGNMENT**

We, Stephen L. Buchwald, of Newton, MA, Artis Klapars of Cambridge, MA, Fuk Y. Kwong of Cambridge, MA, Eric R. Streiter of Cambridge, MA and Jacopo Zanan of Cambridge, MA, for valuable consideration received from Massachusetts Institute of Technology, a corporation of the state of Massachusetts, having its principal place of business at Five Cambridge Center, Room NE25-230, Cambridge, MA 02142, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**“Copper-Catalyzed Formation of  
Carbon-Heteroatom and Carbon-Carbon Bonds”**

described in application Serial No. 10/631,480 filed on July 31, 2003, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this 17<sup>th</sup> day of September, 2003.

By:   
Stephen L. Buchwald

Then personally appeared the above-named Stephen L. Buchwald and acknowledged the foregoing instrument to be his free act and deed, before me, this 17 day of September, 2003.



Witness signature

KEVIN HERWIG

Witness Name (please print)

ASSIGNMENT: USSN 10/631,480  
Attorney Docket No.: MTV-056.01

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WITNESS my hand this 23 day of September, 2003.

By: Artis Klapars  
Artis Klapars

Then personally appeared the above-named Artis Klapars and acknowledged the foregoing instrument to be his free act and deed, before me, this 23 day of September, 2003.

[Signature]  
Witness signature

Karin Campos  
Witness Name (please print)

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

By: \_\_\_\_\_  
Fuk Y. Kwong

Then personally appeared the above-named Fuk Y. Kwong and acknowledged the foregoing instrument to be his free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness Name (please print)

ASSIGNMENT: USSN 10/631,480  
Attorney Docket No.: MTV-056.01

Page 2

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

By: \_\_\_\_\_  
Artis Klapars

Then personally appeared the above-named Artis Klapars and acknowledged the foregoing instrument to be his free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness Name (please print)

WITNESS my hand this 10<sup>th</sup> day of October, 2003.

By: Fuk Yee Kwong  
Fuk Y. Kwong

Then personally appeared the above-named Fuk Y. Kwong and acknowledged the foregoing instrument to be his free act and deed, before me, this 10<sup>th</sup> day of October, 2003.

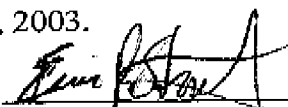
Attest.  
Witness signature

FOK HON LUNG STANTON  
Witness Name (please print)

ASSIGNMENT: USSN 10/631,480  
Attorney Docket No.: MTV-056.01

Page 3

WITNESS my hand this \_\_\_\_\_ day of 9/17/03, 2003.

By:   
Eric R. Streiter

Then personally appeared the above-named Eric R. Streiter and acknowledged the foregoing instrument to be his free act and deed, before me, this 17<sup>th</sup> day of September, 2003.

  
Witness signature

KEVIN HERWIG  
Witness Name (please print)

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

By: \_\_\_\_\_  
Jacopo Zanan

Then personally appeared the above-named Jacopo Zanan and acknowledged the foregoing instrument to be his free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness Name (please print)

ASSIGNMENT: USSN 10/631,480  
Attorney Docket No.: MTV-056.01

Page 3

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

By: \_\_\_\_\_  
Eric R. Streiter

Then personally appeared the above-named Eric R. Streiter and acknowledged the foregoing instrument to be his free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness Name (please print)

WITNESS my hand this 6<sup>TH</sup> day of OCTOBER, 2003.

By: Jacopo Zanon  
Jacopo Zanon

Then personally appeared the above-named Jacopo Zanon and acknowledged the foregoing instrument to be his free act and deed, before me, this 6<sup>TH</sup> day of OCTOBER, 2003.

Andrea Castellin

\_\_\_\_\_  
Witness signature

ANDREA CASTELLIN

\_\_\_\_\_  
Witness Name (please print)