

02-15-2005

Form Pto-1595  
(Rev. 6-93)

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Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

102941282

09590-00002-US

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To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying parties:  
Ling Zhou (04/04/2003)  
Frederick E. L. Schneider, Jr. (04/04/2003)  
Robert J. Daniels (04/07/2003)  
Thomas Messer (04/04/2003)  
Jon Philip R. Peeling (04/10/2003)  
Additional name(s) of conveying party(ies) attached:  Yes  No.

2. Name and address of receiving party(ies):  
Name: Millennium Inorganic Chemicals, Inc.  
Internal Address:  
Street Address:  
City: Hunt Valley State MD Zip 21030

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other: **Recordation Form - to Correct a typo in the Assignee's name of a document previously recorded.**  
Reel/Frame: **014070/0429**  
Execution Date: see Box 1, conveying parties

Additional name(s) & address(es) attached: Yes  No

4. 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:  
A. Patent Application No.(s) 10/329,721  
B. Patent No.(s)  
Additional numbers attached?  Yes  No.

OPR/FINANCE  
FEB 11 AM 10:59

5. Name and address of party to whom correspondence should be mailed:  
Name: Kevin M. Carroll  
Internal Address: Legal Department  
Street Address: Lyondell Chemical Company  
3801 West Chester Pike  
City: Newtown Square State PA Zip 19073

6. Total number of applications and patents involved: ONE

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

Enclosed  
 Authorized to be charged to deposit account

8. Deposit Account Number: 01-2230

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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 M. Carroll  
Name of Person Signing  
Reg. No. 44,596

Kevin M. Carroll  
Signature

February 8, 2005  
Date

Total number of pages including cover sheet, attachments, and document: 7

02/14/2005 BT011 00000107 012230 10329721

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PATENT  
REEL: 016266 FRAME: 0244

05-20-2003



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Form PTO-1595 (Rev. 03/01)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

PATENTS ONLY

5-16-03

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

<p>1. Name of conveying party(ies):          Ling Zhou (04/04/2003)          Frederick E. L. Schneider, Jr. (04/04/2003)          Robert J. Daniels (04/07/2003)          Thomas Messer (04/04/2003)          Jon Philip R. Peeling (04/10/2003)          Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)          Name: <u>Millenium Inorganic Chemicals, Inc.</u>          Internal Address: _____          Street Address: _____          City: <u>Hunt Valley</u>          State: <u>MD</u> Zip: <u>21030</u>          Additional name(s) &amp; address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other _____          Execution Date: <u>see Box 1, conveying parties</u></p>	

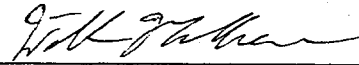
4. Application number(s) or patent number(s):  
 If this document is being filed together with a new application, the execution date of the new application is: \_\_\_\_\_  
 A. Patent Application No.(s): 10/329,721  
 B. Patent No.(s): \_\_\_\_\_  
 Additional numbers attached?  Yes  No

2003 MAY 16 AM 7:40  
FINANCE SECTION

<p>5. Name and address of party to whom correspondence concerning document should be mailed:          Name: <u>William E. McShane</u>  <u>CONNOLLY BOVE LODGE &amp; HUTZ LLP</u>          Internal Address: <u>Atty. Dkt.: 09590-00002-US</u>          Street Address:  <u>P. O. Box 2207</u>          City: <u>Wilmington</u> State: <u>DE</u> Zip: <u>19899-2207</u></p>	<p>6. Total number of applications and patents involved: <u>1</u>          7. Total fee (37 CFR 3.41) \$ <u>40.00</u>  <input checked="" type="checkbox"/> Enclosed  <input type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed)          8. Deposit account number: <u>03-2775</u>          (Attach duplicate copy of this page if paying by deposit account)</p>
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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.*

William E. McShane - 32,707  May 13, 2003  
 Name of Person Signing Signature Date

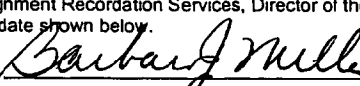
Total number of pages including cover sheet, attachments, and documents: 4

15/19/2003 LMUELLER 00000111 10329721

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 5/13/03 Signature:  (Barbara J. Miller)

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## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Ling Zhou; Frederick E. L. Schneider, Jr.; Robert J. Daniels; Thomas Messer; and Jon Philip R. Peeling (hereinafter referred to as Assignors), residing at 222 Cypress Ridge Drive, Severna Park, Maryland 21146; 715 Cresswell Road, Baltimore, Maryland 21225-3814; 2200 Stockton Road, Phoenix, Maryland 21131; 10506 Green Mountain Circle, Columbia, Maryland 21044; and 2100 Kings Court, Finksburg, Maryland 21048, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in **PROCESS FOR THE PRODUCTION OF ELEMENTAL MATERIAL AND ALLOYS**, set forth in a Patent application for Letters Patent of the United States, already filed on December 26, 2002 as U.S. application No. 10/329,721; and

**WHEREAS**, Millenium Inorganic Chemicals, Inc., a corporation organized under and pursuant to the laws of the State of Delaware, United States of America, having its principal place of business at Hunt Valley, Maryland (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent

may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

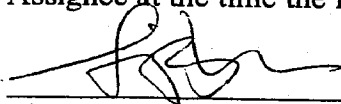
**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

CONNOLLY BOVE LODGE & HUTZ LLP

Burton A. Amernick	24,852	Christine M. Hansen	40,634	C. Keith Montgomery	45,254
Joseph Barrera	44,522	Daniel J. Harbison	47,631	Daniel C. Mulveny	45,897
Richard M. Beck	22,580	Liza D. Hohenschutz	33,712	Thor B. Nielsen	45,528
Oleh V. Bilynsky	50,563	Larry J. Hume	44,163	Gerard M. O'Rourke	39,794
Mary W. Bourke	30,982	Rudolf E. Hutz	22,397	James M. Olsen	40,408
Gary A. Bridge	44,560	Wayne C. Jaeschke	21,062	George R. Pettit	27,369
Paul E. Crawford	24,397	Christopher E. Jeffers	51,274	Ashley I. Pezzner	35,646
Francis Digiovanni	37,310	Morris Liss	24,510	Harold Pezzner	22,112
Eric J. Evain	42,517	Zhun Lu	53,242	Thomas F. Poche	45,017
John A. Evans	44,100	Susan E. Shaw McBee	39,294	Patricia Smink Rogowski	33,791
Mark E. Freeman	48,143	Robert G. McMorrow	30,962	Helena C. Rychlicki	48,179
Stanley B. Green	24,351	William E. McShane	32,707	Myron Keith Wyche	47,341
Brian J. Hairston	46,750	Elliot C. Mendelson	42,878		

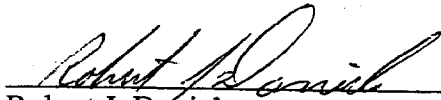
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

  
Ling Zhou

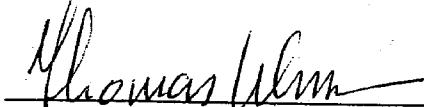
4/4/03  
Date

  
Frederick E. L. Schneider, Jr.

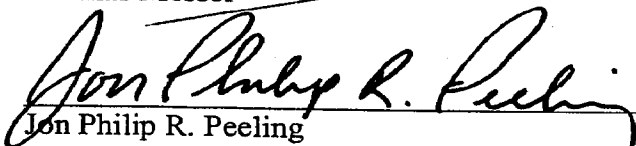
4/4/03  
Date

  
Robert J. Daniels

4/7/03  
Date

  
Thomas Messer

4/4/03  
Date

  
Jon Philip R. Peeling

4/10/03  
Date