

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>PENGDI HAN</td> <td>09/25/2007</td> </tr> <tr> <td>JIAN TIAN</td> <td>09/25/2007</td> </tr> </tbody> </table>		Name	Execution Date	PENGDI HAN	09/25/2007	JIAN TIAN	09/25/2007
Name	Execution Date						
PENGDI HAN	09/25/2007						
JIAN TIAN	09/25/2007						
RECEIVING PARTY DATA							
Name:	H.C. MATERIALS CORPORATION						
Street Address:	479 QUADRANGLE DRIVE, STE. E						
City:	BOLINGBROOK						
State/Country:	ILLINOIS						
Postal Code:	60440						
PROPERTY NUMBERS Total: 2							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>60830139</td> </tr> <tr> <td>PCT Number:</td> <td>US0773412</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	60830139	PCT Number:	US0773412
Property Type	Number						
Application Number:	60830139						
PCT Number:	US0773412						
CORRESPONDENCE DATA							
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Email:	JHART@LSLLP.COM						
Correspondent Name:	ANDREW F. YOUNG						
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Address Line 2:	LACKENBACH SIEGEL, LLP						
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ATTORNEY DOCKET NUMBER:	HCMAT.P006PCT						
NAME OF SUBMITTER:	ANDREW F. YOUNG						

CH \$80.00 60830139

Total Attachments: 3
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**PATENT
 REEL: 019894 FRAME: 0948**

ASSIGNMENT

In consideration of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the undersigned inventors:

Name	Address
Inventor (1): Pengdi HAN	residing at: 479 Quadrangle Drive, Suite-E Bolingbrook, Illinois 60440 Citizenship: US
Inventor (2): Jian TIAN	Residing at: 2914 Rutland Circle Naperville, Illinois 60564 Citizenship: China

declare that they are citizens of the country indicated above and with residences as listed above,

Hereby sell, assign and transfer to **H.C. Materials Corporation**, a corporation of the State of Illinois, Country of United States, hereafter called the "Assignee," having a place of business at: 479 Quadrangle Drive, Ste. E, Bolingbrook, Illinois 60440.

To its successors, assigns and legal representatives, the entire right, title and interest for the United States and worldwide, in and to any and all improvements which are described and claimed in the

____ attached specification executed on _____,
XX Provisional Application Serial No. 60/830,139 filed July 12, 2006,
XX specification Serial No. PCT/US07/73412, filed July 12, 2007,
 _____ U.S. Letters Patent No. _____; issued _____,

entitled: **CRYSTAL GROWTH SYSTEM AND METHOD FOR LEAD-CONTAINED COMPOSITIONS USING BATCH AUTO-FEEDING**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States or worldwide on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States or worldwide on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said

improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned further declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

DATE 9/25/2007

 (L.S.)
Name: Pengdi Han

DATE 09/25/2007

 (L.S.)
Name: Jian Tian

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To: Commissioner of Patents and Trademarks: Please record the attached original document or copy:

1. Name of conveying party(ies):

(1) Pengdi HAN

(2) Jian TIAN

Additional names? Yes No

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

H.C. MATERIALS CORPORATION

479 Quadrangle Drive, Ste. E

Bolingbrook, Illinois 60440

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

Additional names & addresses attached? Yes No

Execution Date: September 25, 2007

4. Application number(s) or patent number(s): **PCT/US07/73412** Attorney Docket No.: **HCMAT.P006PCT
60/830,139, (HCMAT.P005)**

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

Patent Serial No.(s):

Filing Date:

Filing Date:

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence should be mailed: Address associated with **Customer No.: 28752**

Name: Andrew F. Young

Internal Address: Lackebach Siegel LLP

Street Address: One Chase Road

City: Scarsdale State: New York ZIP: 10583

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized charge to **Deposit Acct No 10-0100 (Lackebach Siegel LLP)**

8. Charge any additional fees in connection with this submission to our Deposit Account No. 10-0100

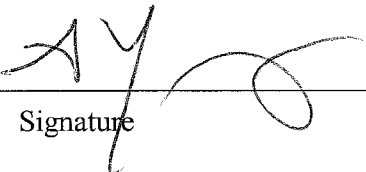
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9. Statement and signature.

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.

ANDREW F. YOUNG, Reg. No. 44,001

Name of Person Signing


Signature

September 28, 2007

Date

Total number of pages including cover sheet, attachments, and document: 3

PATENT

RECORDED: 09/28/2007

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