

# PATENT ASSIGNMENT

Electronic Version v1.1

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Xin Liu	06/30/2011
Jon E. Miller	06/30/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Albemarle Corporation
<b>Street Address:</b>	451 Florida Street
<b>City:</b>	Baton Rouge
<b>State/Country:</b>	LOUISIANA
<b>Postal Code:</b>	70801-1765
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US1134180
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	B2-7912 PCT
<b>NAME OF SUBMITTER:</b>	Mary H. Drabnis
<b>Total Attachments: 3</b> source=B2-7912-PCT-Assignment-As-Filed#page1.tif source=B2-7912-PCT-Assignment-As-Filed#page2.tif source=B2-7912-PCT-Assignment-As-Filed#page3.tif	

CH \$40.00 US1134180

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**PATENT**  
**REEL: 026547 FRAME: 0986**

## ASSIGNMENT

Application Number : PCT/US11/34180

Filing Date : APRIL 27, 2011

Attorney Docket Number: B2-7912-PCT

I/We XIN LIU, a citizen of China, residing in the Parish of East Baton Rouge, State of Louisiana, at 451 Florida Street, 17<sup>th</sup> Floor, Baton Rouge, Louisiana 70801; and JON E. MILLER, a citizen of the United States of America, residing in the County of Stark, State of Ohio, at 11000 Hoover Avenue, Uniontown, Ohio 44685, have made at least one invention, improvement or discovery described in a patent application naming me/us as inventor(s), having the above-designated Attorney Docket Number, and entitled:

### **REDUCTION OF MERCURY EMISSIONS FROM CEMENT PLANTS**

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/we hereby assign, transfer and set over unto Albemarle Corporation, a Virginia Corporation, having a place of business at Baton Rouge, Louisiana, its successors and assigns, my/our entire right, title and interest in and to said patent application and all inventions, improvements and discoveries described therein and to any and all other patent applications derived totally or in part from said patent application, be they provisional or non-provisional applications, divisional applications, continuation applications or continuation-in-part applications and to any and all patents, reissues, reexaminations and extensions from any of the foregoing applications that are issued, granted or validated by any patent office, including, but not limited to the United States Patent and Trademark Office, any regional patent office and/or any patent office of any country foreign to the United States and to any priority rights available from any of the foregoing; and I/we authorize and request the issuing authority to issue any and all patents on said application or applications to Albemarle Corporation, its successors or assigns.

I/we agree to execute such further papers, and perform such other proper acts as Albemarle Corporation, its successors or assigns may deem necessary to secure to them the rights herein conveyed.

Witnesses:

Inventor: XIN LIU

Signature: Jane S. Bickham  
 Printed Name: Jane S. Bickham

Signature: Xin Liu  
 Printed Name: Xin Liu

Signature: Gina R. Merritt  
 Printed Name: Gina R. Merritt

STATE OF LOUISIANA                                 }  
   }  
 PARISH OF EAST BATON ROUGE                 } ss.

On this 30 day of June, 2011, personally appeared before me Xin Liu known by me to be the person named in and who executed the above instrument in my presence and the presence of the above witnesses, and who acknowledged that he/she executed the same of his/her own free will for the purposes herein recited.

Signature: Jane Hartdegen, Notary Public  
 Printed Name: Jane Hartdegen  
 Notary ID Number 85537  
 My commission expires: At My Death



