

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| 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>Joe D. Sauer</td> <td>02/18/2008</td> </tr> <tr> <td>George W. Cook Jr.</td> <td>02/18/2008</td> </tr> </tbody> </table> | | Name | Execution Date | Joe D. Sauer | 02/18/2008 | George W. Cook Jr. | 02/18/2008 |
| Name | Execution Date | | | | | | |
| Joe D. Sauer | 02/18/2008 | | | | | | |
| George W. Cook Jr. | 02/18/2008 | | | | | | |
| RECEIVING PARTY DATA | | | | | | | |
| Name: | Albemarle Corporation | | | | | | |
| Street Address: | 451 Florida Street | | | | | | |
| City: | Baton Rouge | | | | | | |
| State/Country: | LOUISIANA | | | | | | |
| Postal Code: | 70801 | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | |
| <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>PCT Number:</td> <td>US0853819</td> </tr> </tbody> </table> | | Property Type | Number | PCT Number: | US0853819 | | |
| Property Type | Number | | | | | | |
| PCT Number: | US0853819 | | | | | | |
| CORRESPONDENCE DATA | | | | | | | |
| Fax Number: | (225)388-7239 | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | |
| Phone: | 225-388-7210 | | | | | | |
| Email: | dawn_ray@albemarle.com | | | | | | |
| Correspondent Name: | Marcy M. Hoefling | | | | | | |
| Address Line 1: | 451 Florida Street | | | | | | |
| Address Line 4: | Baton Rouge, LOUISIANA 70801 | | | | | | |
| ATTORNEY DOCKET NUMBER: | B1-7536 PCT | | | | | | |
| NAME OF SUBMITTER: | Dawn M. Ray | | | | | | |
| Total Attachments: 3 source=Executed Assignment#page1.tif source=Executed Assignment#page2.tif source=Executed Assignment#page3.tif | | | | | | | |

CH \$40.00 US0853819

ASSIGNMENT

Application Number: PCT/US08/53819
Filing Date: 13 February 2008
Attorney Docket Number: B1-7536 PCT

I/We, JOE D. SAUER, residing at 15553 Waywood Avenue, Baton Rouge, Louisiana 70816; GEORGE W. COOK, JR., residing at 10852 North Shoreline, Baton Rouge, Louisiana 70809, 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:

ULTRA-HIGH PURITY ZINC BROMIDES AND QUATERNARY
AMMONIUM BROMIDES FOR USE IN ZINC-BROMINE BATTERIES

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.

I/we hereby authorize the insertion into this Assignment of the Application number and filing date of the above-identified patent application.

ASSIGNMENT

Attorney Docket Number: B1-7536 PCT

Witnesses:

Signature: Margaret Werell
Printed Name: Margaret Werell

Signature: C.M. Farr
Printed Name: Cynthia M. Farr

Inventor:

Signature: Joe D. Sauer
Printed Name: JOE D. SAUER

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

On this 18 day of February, 2008, personally appeared before me JOE D. SAUER 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: Dawn Margaret Ray, Notary Public
Printed Name: Dawn Margaret Ray
Notary ID Number La. Notary Public ID #67453
My commission expires: Lifetime Commission

