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William J. Layman, Jr.
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ALBEMARLE CORPORATION
330 South Fourth Street
Richmond, Virginia 23219

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

3. Nature of conveyance:

- Assignment
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Execution Date: April 22, 1998

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)

U. S. Serial No. 09/069, 615; Filed: April 29, 1998

B. Patent No.(s)

Additional numbers attached? Yes No

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

Mr. Philip M. Pippenger
ALBEMARLE CORPORATION
451 Florida Street
Baton Rouge, Louisiana 70801-1765

6. Total number of applications and patents involved: 1

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

- Enclosed
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I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Box Assignments, Washington, D. C. 20231

October 29, 1998

Date

Norma J. Patterson
Norma J. Patterson

ASSIGNMENT

Serial No. 09/069,615

Filed: April 29, 1998

Case No. **PI-7051-A**

We,
William J. Layman, Jr. and George W. Welsh

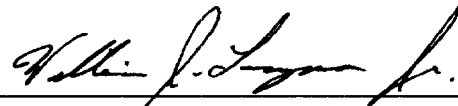
citizens of the United States of America, residing at 3265 White Shadows Drive, Baton Rouge, Louisiana 70816, and 1201 Carolina Avenue, Orangeburg, South Carolina, 29115; have made at least one invention, improvement or discovery described in patent application papers having the above designated case number **PI-7051-A** and entitled

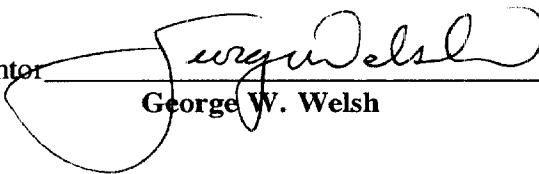
**PRODUCTION OF HIGH PURITY ALKALI METAL
DIARYLPHOSPHIDE AND CYCLOALKYLDIARYLPHOSPHINES**

and for which invention, improvement or discovery we are about to make application for Letters Patent of the United States of America.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we hereby transfer, set over and assign to **ALBEMARLE CORPORATION**, a Virginia Corporation, having a place of business at Baton Rouge, Louisiana, its successors and assigns, our entire right, title and interest in, to and under said application for Letters Patent and all inventions, improvements and discoveries, whether joint or sole, disclosed therein, and the resultant patent or patents thereon and any renewals, reissues, extensions, substitutions, continuations, or divisions thereof, including all priority rights arising in other countries from said application and all foreign rights in and to said inventions, improvements and discoveries.

We further agree to execute such further papers, and perform such other proper acts as said Corporation may deem necessary to secure to said Corporation the rights herein conveyed; and we hereby authorize the insertion into this Assignment of the serial number and filing date of said application.

Inventor 
William J. Layman, Jr.

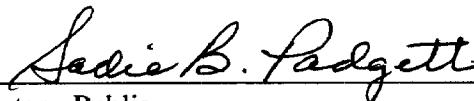
Inventor 
George W. Welsh

STATE OF SOUTH CAROLINA }
 }
COUNTY OF ORANGEBURG }

On this 22nd day of April, 1998, personally appeared before me

William J. Layman, Jr., and George W. Welsh

to me known to be the persons named in and who executed the above instrument in my presence, and who acknowledged that they executed the same of their own free will for the uses and purposes herein mentioned.


Notary Public

(Notarial Seal)