

12-27-2006



ET

Atty Ref/Docket No.: 010638.000

103354120

Patent and Trademark Office

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

12.20.06

1. Name of conveying party(ies):

James H. Lenke and Matthew Powell

Additional name(s) of conveying party(ies) attached?

[ ] Yes [X] No

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

Name: Protea Biosciences, Inc.

Street Address: 955 Hartman Run Road

City: Morgantown State: WV Zip: 26507

Additional name(s) & address(es) attached? [ ] Yes [X] No

3. Nature of conveyance:

- Assignment       Merger
- Security Agreement    Change of Name
- Other

Execution Date: December 18, 2006, December 18, 2006

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)

B. Patent No.(s)

Additional numbers attached? [ ] Yes [X] No

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

Name: Spilman Thomas & Battle PLLC

Address: Spilman Thomas & Battle PLLC  
CUSTOMER NUMBER: 60707  
c/o Intellevate  
P.O. Box 52050  
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account.
- Authorized to be charged to credit card.

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 50-3790

DO NOT USE THIS SPACE

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.

John E. Grosselein/Reg. No. 38,478

Name of Person Signing

Signature

Date

12/20/06

Total number of pages including cover sheet: 5

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks**  
**Mail Stop Assignment Recordation Services**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

112955 U.S. PTO  
11/642413



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12/26/2006 NJ/AMH

01 FC:8021

PATENT

REEL: 018728 FRAME: 0501

## ASSIGNMENT

WHEREAS, We, James H. Lenke, residing at 1401 Van Voorhis Rd., Morgantown, WV 26505, and Matthew Powell, residing at 1600 Brunswick Ct., Morgantown, WV 26508, and made certain new and useful inventions and improvements which we filed an application for Letters Patent of the United States entitled ELECTROSPRAY IONIZATION PROCESS AND ADD-ON DEVICE WITH SAMPLE INJECTION TIP:

AND WHEREAS, Protea Biosciences, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 955 Hartman Run Road, Suite 210, Morgantown, WV 26507 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

I further authorize and direct the ASSIGNEE and its attorneys to insert above the application number of said application now identified as Docket No. 012608.0005 as soon as the same shall have been made known to them by the U.S. Patent and Trademark Office.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of December, 2006.

[Signature]

James H. Lenke

STATE OF West Virginia )

COUNTY OF Monongalia )

On this 18th day of December, 2006 before me personally appeared James H. Lenke, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



[SEAL]

[Signature]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of December, 2006.

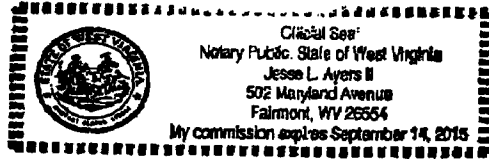
Matthew Powell

Matthew Powell

STATE OF West Virginia )

COUNTY OF Monongalia )

On this 18<sup>th</sup> day of December, 2006 before me personally appeared Matthew Powell, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



[SEAL]

Jesse L. Ayers II

Notary Public