| Form <b>PTO-1595</b> (Rev. 03-11)<br>DMB No. 0651-0027 (exp. 03/3 <u>1/2</u> 015)   | U.S. DEPARTMENT OF COMMERC United States Patent and Trademark Office                       |
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| RECORDATION FOR   | M COVER SHEET  |
| PATENTS   | ONLY   |
| To the Director of the U.S. Patent and Trademark Office: Please   | record the attached documents or the new address(es) below.                                |
| 1. Name of conveying party(ies):  | 2. Name and address of receiving party(les)  |
| Matthew P. Collis (04/14/2003), Donald Copertino (04/14/2003), Karen Eckert (04/14/2003), and Thomas L. Fort (04/14/2003) | Name: Becton, Dickinson and Company  |
| Additional name(s) of conveying party(ies) attached? Yes X No   | Internal Address: Street Address:  |
| 3. Nature of conveyance/Execution Date(s):  |  |
| Execution Date(s): in parentheses after Inventor name  X Assignment Merger Change of Name                                 | 1 Becton Drive   |
|   |  |
| Security Agreement Joint Research Agreement   | City: Franklin Lakes   |
| Government Interest Assignment  | State: New Jersey  |
| Executive Order 9424, Confirmatory License  | Country: United States of America Zip: 07417   |
| Other   | Additional name(s) & address(es) Yes X No attached?  |
| 4. Application or patent number(s):  A. Patent Application No.(s)   | This document is being filed together with a new application.  B. Patent No.(s)  7,727,727 |
| Additional numbers attached?  |  |
| <ol><li>Name and address to whom correspondence<br/>concerning document should be mailed:</li></ol>                       | 6. Total number of applications and patents involved:                                      |
| Name: Richard J. Botos  LERNER, DAVID, LITTENBERG,  KRUMHOLZ & MENTLIK, LLP   | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  |
| Internal Address: Atty. Dkt.:   |  |
| Street Address: 600 South Avenue West   | X Authorized to be charged to deposit account  Enclosed                                    |
|   | None required (government interest not affecting title                                     |
| City: Westfield   | 8. Payment Information   |
| State: NJ Zip; 07090  | 1  |
| Phone Number: 908-654-5000  |  |
| Fax Number: 908-654-7866  | Deposit Account Number 12-1095   |
| Email Address: mcormier@ldlkm.com   | Authorized User Name Richard J. Botos  |
| S. Signature  | July 22, 2013<br>Date  |
| Richard J. Botos - 32,016   | Total number of pages including cover sheet, attachments, and documents:                   |
| Name of Person Signing  | Grove, SEMORRIGHTS, ON SOCIATIONS.   |

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PATENT REEL: 030920 FRAME: 0870

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| Assignment of Rights, Title and Interest in Invention Docket No.  (Multiple inventors; single assignee) P-4725 |  |   |
|--|--|---|
| This is an Assignment of the following rights, title a   | nd interest: (check all that apply):     |   |
| ☐ United States of America rights, title a   | nd interest in the invention             |   |
| Foreign rights, title and interest in the  | invention                                |   |
| United States Patent Application Serie   | d No. 10/359,179                         |   |
| Date of Execution:   | Date of Filing: February 6, 20           | 003                                     |
| United States Provisional Patent Appl  | ication Serial No.                       | ,                                       |
| ☐ United States Patent No(s).  | _  | , |
| ☐ International (PCT) Patent Application   | n Serial No.                             |   |
| Other (specify)  |  |   |
| Title of the Invention  PRETREATMENT METHOD FOR EXTRACTION OF  | NUCLEIC ACID FROM BIOLOGICAL SAM         | MPLES AND KITS THEREFOR                 |
|  | e e e e e e e e e e e e e e e e e e e    |   |
| Inventors (assignors)  |  |   |
| Name   | Address                                  |   |
| Matthew P. Collis  | 114 South Street, RR1 Box 90-38, Seven   | Valleys, Pennsylvania 17360             |
| Donald W. Copertino  | 710 Hunter Way, Cartonsville, Maryland 2 | 21228                                   |
| Karen Eckert   | 4429 Necker Avenue, Perry Hall, Maryland | d 21236                                 |
| Thomas L. Fort   | 987 Ridge Road, Finksburg, Maryland 210  | )48                                     |
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|  | ,  |   |
| Assignee   |  |   |
| Name   | Address                                  |   |
| Becton, Dickinson and Company  | 1 Becton Drive, Franklin Lakes, New Jers | ey 07417                                |
|  |  |   |

[Page 1 of 4 ]

PATENT ASOSA/REVOT

## Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. P-4725

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention"):

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

| Name                | Signature/Date         |
|---------------------|------------------------|
| Matthew P. Collis   | Watthew Pallin 4/14/02 |
| Donald W. Copertino | 7/2 W. C. 1: / 4/14/03 |
| Karen Eckert        | J. Solar 4-14-03       |
| Thomas L. Fort      | Thom 2. Just / 4/14/03 |
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[Page 2 of 4 ]

**PATENT** 

## Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. P-4725

| Nota | riza | tion |
|------|------|------|
|      |      |      |

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

day of April Executed this 1445

, in the year 2003

State of Mary and County of Battinore

Before me personally appeared Matthew P. Collis who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to , in the year 2003

execute the same this 14£1

day of aprel

Executed this

College of Inventor)

State of Maryland County of Baltinore

Before me personally appeared Donald W. Copertino

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to , in the year 2003

execute the same this 14th

Executed this

day of april

, in the year 2000

state of Maryland country of baltinore

Before me personally appeared Karen Eckert

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to

execute the same this 1441

day of april.

, in the year 2003

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|   | Rights, Title and Inter<br>ple inventors; single a            |   | Docker<br>P-472        |                    |
|---|---|---|------------------------|--------------------|
| (Although notarization is no  | n necessary. It will be considered p                          | Notarization prima facle evidence of execution pursuant | to 35 U.S.C. 261.)     |                    |
| Executed this 14!   | 3 day of April  | , in the year 2003                                      |                        |                    |
|   | ı   | 4 21.   | <b>/</b>               |                    |
| - <del> </del>  | o   | Thom J. J. J. J. J. (Signature of                       | Inventor)              |                    |
| ne of Maryland  |   |   |                        |                    |
| inty of Baltimo   | le  |   |                        |                    |
| ore me personally appear<br>o acknowledged the foreg<br>cute the same this /4 | ed Thomas L. Fort going instrument to be a f  HL day of April | free act and deed and also repres<br>Lin the year 200   | -<br>-                 | is authorized<br>- |
| Executed this   | day of  | , in the year   | (tone)                 |                    |
|   |   |   |                        |                    |
|   | , ,   |   |                        | •                  |
| e of  |   | (Signature of   | Inventor)              | ,                  |
| inty of   |   |   | . ,                    | •                  |
| fore me personally appear   | ood   |   |                        |                    |
| o acknowledged the fore<br>cute the same this                                 | going instrument to be a j<br>day of                          | free act and deed and also repre<br>in the year         | sented that he or she  | is authorized      |
|   |   | (Notary   | Public)                |                    |
| Executed this   | day of  | , in the year   | · •                    | 4                  |
|   |   |   |                        |                    |
|   |   | (Signature o  | (Inventor)             |                    |
| te of   |   |   |                        |                    |
| unty of   |   | •   |                        | •                  |
|   | red<br>egoing instrument to be a<br>day of                    | free act and deed and also repre<br>in the year         | esented that he or she | e is authorize     |
| ecute the same this   |   |   |                        |                    |
| ecute the same this   |   | (Notary   | Public)                |                    |

[Page 4 of 4 ]

**PATENT**