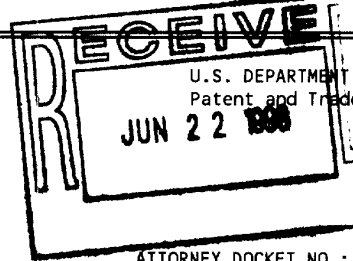


FORM PTO-1595
(Revised 6-93)

07-01-1998



100752838



TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS

Please record the attached original documents or copy thereof.

ATTORNEY DOCKET NO.: 19113.0050

1. Name of conveying party(ies): DAVID J. COLE,
PAUL L. BARON and PAUL H. O'BRIEN

Additional names of conveying party(ies)
attached?

☐ YES ☒ NO

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

MEDICAL UNIVERSITY OF SOUTH CAROLINA
171 Ashley Avenue
Charleston, South Carolina 2425

Additional name(s) and address(es) attached?

☐ YES ☒ NO

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Other

☐ Security Agreement

☐ Change of Name

Execution Date: May 19, 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:(filed
May 28, 1998)

A. Patent Application No.(s): 09/086,372

B. Patent No.(s):

Additional numbers attached? ☐ YES ☒ NO

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

Gwendolyn D. Spratt, Esq.
NEEDLE & ROSENBERG, P.C.
Suite 1200, The Candler Building
127 Peachtree Street, N.E.
Atlanta, Georgia 30303-1811
(404) 688-0770

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.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment, to Deposit Account No. 14-0629.

8. Deposit account number: 14-0629

(Attach duplicate copy of this form if paying by deposit account)

06/19/1998 DNGUYEN 00000264 09086372

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40.00 OP

9. 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.

Gwendolyn D. Spratt

Gwendolyn D. Spratt
Reg. No. 36,016

6-17-98

Date

Total Number of Pages Including Cover Sheet, Attachments, and Document: 5

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: BOX ASSIGNMENT, Commissioner of Patents and Trademarks, Washington, D.C. 20231, on June 17, 1998.

Gwendolyn D. Spratt

Gwendolyn D. Spratt

6-17-98

Date

ASSIGNMENT

WHEREAS, we, DAVID J. COLE, PAUL L. BARON and PAUL H. O'BRIEN of 290 Isaw Drive, Mt. Pleasant, South Carolina 29464, 1669 Southport Drive, Charleston, South Carolina 29407 and 1421 Burning Tree Road, Charleston, South Carolina 29412, U.S.A., have invented new and useful improvements in a "MULTI-MARKER RT-PCR PANEL FOR DETECTING METASTATIC BREAST CANCER" for which an application for United States Letters Patent was filed on May 28, 1998, Serial No. 09/086,372; and

WHEREAS, the MEDICAL UNIVERSITY OF SOUTH CAROLINA, whose post-office address is 171 Ashley Avenue, Charleston, South Carolina 29425, U.S.A., is desirous of acquiring the entire interest in the same;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, we, DAVID J. COLE, PAUL L. BARON and PAUL H. O'BRIEN, hereby do sell, assign and transfer unto said MEDICAL UNIVERSITY OF SOUTH CAROLINA, the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application under 35 U.S.C. § 119(e), reissue, reexamination, division, continuation-in-part, extension or continuation thereof and all rights of priority under the International Convention arising from said application; the same for its legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

AND, we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and

assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid the MEDICAL UNVIERSITY OF SOUTH CAROLINA, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

We also authorize counsel for the MEDICAL UNIVERSITY OF SOUTH CAROLINA to enter above the filing date and serial number of the application when they become available.

IN WITNESS WHEREOF, we have executed this Assignment this _____ day of _____,

19.

David J. Cole (L.S.)
DAVID J. COLE

State of South Carolina
County of Charleston

On this 19 day of May, 1998, before me, a Notary Public, came DAVID J. COLE, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

Spice R. Schmael
Notary Public

My Commission Expires: 4-17-2001

State of South Carolina
County of Charleston

Paul L. Baron (L.S.)
PAUL L. BARON

On this 19 day of May, 1998, before me, a Notary Public, came PAUL L. BARON, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

George R. Schmal
Notary Public

My Commission Expires: 4-17-2001

State of South Carolina
County of Charleston

Paul H. O'Brien (L.S.)
PAUL H. O'BRIEN

On this 19 day of May, 1998, before me, a Notary Public, came PAUL H. O'BRIEN, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

George R. Schmal
Notary Public

My Commission Expires: 4-17-2001