

09-17-1999



Form PTO-1592 (modified)

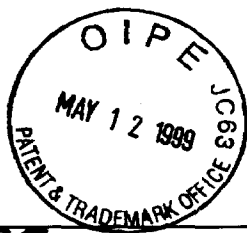
101129236

00295.75997

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

1. Name of Conveying Party or Parties:Robert E. BRIGGS
Fred M. TATUM

Additional Names of conveying party or parties attached?

☐ Yes ☒ No**2. Name and address of receiving party or parties:**United States of America
Secretary of Agriculture
Washington, DC**3. Nature of Conveyance:**
☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other Correction of Assignment Cover Sheet with originalDate of Filing of January 22, 1999, for this Assignment
DocumentExecution Date: December 16, 1998Additional Name(s) and address(es) attached? ☐ Yes ☒ NoBiochemistry Research and Development Corporation
1815 N. University Street
Peoria, IL 61604**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 Number(s): 09/160,340**B. Patent Number(s):**Additional Name(s) and address(es) attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning the document should be mailed:**Sarah A. Kagan, Esq.
BANNER & WITCOFF, LTD.
11th Floor
1001 G Street, N.W.
Washington, D.C. 20001-4597**6. Total Number of Applications and patents involved: 1****7. Total fee (37 CFR 3.41) \$ 40.00**

- ☒ Previously Paid (Jan. 22, 1999)
☐ Authorized to be charged to deposit account
☒ Please charge or credit our deposit account for any additional or refunded fees associated with recording this assignment

8. Deposit Account No.:

19-0733 (in the event additional fees are required)

(Duplicate copy of this page attached if paying by deposit account)

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.*Sarah A. Kagan, Reg. No. 32,141

Name of Person Signing

Signature

Date

Total Number of Pages including Cover Sheet: 3

01-27-1999

U.S. PATENT AND TRADEMARK OFFICE - BOX



Banner & Witcoff, LTD.

100951402

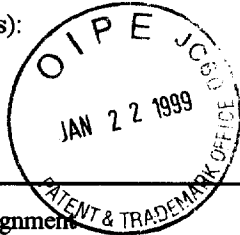
PATENT ASSIGNMENT RECORDATION FORM COVER SHEET

Docket No. 00295.75997

To the Honorable Commissioner of Patents and Trademark, Box Assignments, Washington, D.C. 20231.
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Robert E. BRIGGS
Fred M. TATUM



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

United States of America

and

Name: Biochemistry Research and Development CorporationStreet Address: 1815 N. University StreetCity: Peoria State: IL Zip: 61604

3. Nature of Conveyance: Assignment

1-22-99

Execution Date: 12/16/98Additional name(s) & address(es) attached? ☒ No

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) Serial No. 09/160,340

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

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

Name: Sarah A. Kagan, Esq.Internal Address: Banner & Witcoff, 11th FloorStreet Address: 1001 G Street, N.W.City: Washington State: D.C. Zip: 20001-45976. Total number of applications and patents involved: 17. Total fees (37 CFR 3.41): \$40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number: 19-0733

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

01/26/1999 DMSUYEN 00000131 09160340

01-FC-501 40.00 00

DO NOT USE THIS SPACE

40E

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.

Sarah A. Kagan, Reg No. 32,141

Name of Person Signing

Signature

1/20/99

Date

Total number of pages including cover sheet, attachments and document: 3

ASSIGNMENT

WHEREAS, WE, Robert E. Briggs, citizen of the United States of America, residing at 1071 X Avenue, Boone, Iowa 50036; and Fred M. Tatum, citizen of the United States of America, residing at Rural Route 2, Box 225F1, Ames, Iowa 50010, have invented certain new and useful improvements in *LKTA DELETION MUTANT OF P. HAEMOLYTICA* for which an application for Letters Patent of the United States was filed September 25, 1998, and accorded Serial No. 09/160,340; and

WHEREAS, the United States of America and Biotechnology Research and Development Corporation of Peoria, Illinois, which is incorporated in the State of Delaware, is desirous of acquiring our entire right, title and interest in and to the aforesaid invention and in and to any Letters Patent of the United States or any foreign country which may be granted therefor;

NOW THEREFORE, in consideration of these premises, we, the said Robert E. Briggs and Fred M. Tatum, hereby assign, and transfer unto the United States of America as represented by the Secretary of Agriculture, its successors, legal representatives and assigns, and Biotechnology Research and Development Corporation, its successors, legal representatives and assigns, our full and exclusive right to the said invention as described in the said application, and our entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said assignees;

AND WE HEREBY warrant and covenant that we have full right to convey our entire interest herein assigned and that we have not executed and will not execute any instrument or assignment in conflict herewith;

AND WE HEREBY agree to communicate to said assignees or their representatives any facts known to us respecting said invention, to execute all divisional, continuation, reissue and foreign applications, sign all lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said assignees to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said assignees.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.

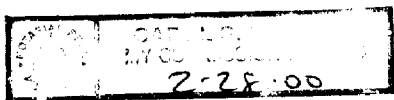
Date: Dec 16, 1998 Inventor: Robert E. Briggs
Robert E. Briggs

Date: 16 Dec 1998 Inventor: Fred M. Tatum
Fred M. Tatum

STATE OF IOWA)
COUNTY OF STORY) ss

On this 16TH day of DECEMBER, 1998, before me a Notary Public in and for the County and State aforesaid, personally appeared **Robert E. Briggs and Fred M. Tatum** to me known and known to me to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

(SEAL)



Carol S. Pope
Notary Public

My Commission Expires: 2/28/00

Patent/Design

☐ PATENT ☐ DESIGN

☐ HAND CARRY Group/Section

Bldg _____ Rm _____

Serial No. 09/160,340 B&W# 0024575497 Atty/Sec SAVING Date 1/22/94

Inventor Baliga et al Client BRDC

Title LKTA Deletion Mutant of D. Haemolytic

The following has been received in the U.S. Patent and Trademark Office on the date stamped hereon:

- | | |
|---|---|
| <input type="checkbox"/> total pp Spec., including : # of Claims _____
(# of independent claims _____); <input type="checkbox"/> Abstract | <input type="checkbox"/> Claim for Priority w/Priority Doc _____
Country, Appl. # and Date |
| <input type="checkbox"/> Foreign Priority on _____
Country, Appl. # and Date | <input type="checkbox"/> Petition for Extension til _____ |
| <input type="checkbox"/> Priority on U.S. Prov. _____ B&W# _____ | <input type="checkbox"/> Amendment <input type="checkbox"/> Response : OA dtd _____ |
| <input type="checkbox"/> Application : <input type="checkbox"/> CIP <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional
Parent Ser. No. _____ B&W# _____ | <input type="checkbox"/> Request for Approval of Drawing Changes |
| <input type="checkbox"/> Provisional App _____ pp Spec/Cims; Cover Sheet | <input type="checkbox"/> CPA Request <input type="checkbox"/> w/Ext of Time : OA dtd _____ |
| <input type="checkbox"/> Declaration/PoA : <input type="checkbox"/> Executed <input type="checkbox"/> Unexecuted | <input type="checkbox"/> Notice of Appeal & Fee |
| <input type="checkbox"/> Drawings : <input type="checkbox"/> Formal <input type="checkbox"/> Informal
of distinct sheets _____ : Figs. _____ | <input type="checkbox"/> Brief : <input type="checkbox"/> Appeal & Fee <input type="checkbox"/> Reply |
| <input checked="" type="checkbox"/> Assignment w/PTO Cover Sheet | <input type="checkbox"/> Request for Oral Hearing |
| <input type="checkbox"/> Small Entity Declaration | <input type="checkbox"/> Issue Fee : Allowance dtd _____ JAN 22 |
| <input type="checkbox"/> IDS w/PTO 1449 <input type="checkbox"/> Prior Art <input type="checkbox"/> w/fee | <input type="checkbox"/> Advance Patent Copies : # ordered _____ |
| <input type="checkbox"/> Preliminary Amendment | <input type="checkbox"/> Check # <u>136</u> for \$ <u>42.00</u> |
| <input type="checkbox"/> Response : Missing Parts dtd _____ | <input type="checkbox"/> Check # _____ for \$ _____ |
| <input type="checkbox"/> Request for Expedited Foreign Filing License | |
| <input type="checkbox"/> Request for Corrected Filing Receipt | |

DOCKETED

JAN 22 1999

JAN 22 1999

B&W Rev. 1/93