

06-15-1998

PATENT



To the Honorable Commissioner of Patents and Trademarks

100739034

Shed original document or copy thereof.

1. Name of conveying party(ies):  
 Rita R. Colwell  
 Anwarul Huq  
 Afzal Chowdhury

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

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: April 6, 1998; April 15, 1998; and April 21, 1998

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

Name: University of Maryland System

Street Address: 4312 Knox Road

City: College Park State: MD Zip: 20742

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

4. Application number(s) or registration number(s): 09/027,439

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?

09027439

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

Name: Gloria L. Norberg, Ph.D.  
 Patent Agent

Akin, Gump, Strauss, Hauer  
 & Feld, L.L.P.  
 816 Congress Avenue, Suite 1900

City: Austin State: Texas zip: 78701

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)-----40.00----- \$

Enclosed  
 Authorized to be charged to deposit account if check insufficient or inadvertently omitted

8. Deposit account number:  
01-0660/044198/0000  
 (Attach duplicate copy of this page if paying by deposit account)

06/11/1998 JSHADAZZ 00000023 09027439

DO NOT USE THIS SPACE

01 FC:581

40.00 OP

40F

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.

Gloria L. Norberg, Ph.D.  
 Name of Person Signing

*Gloria L. Norberg*  
 Signature

May 20, 1998  
 Date

Total number of pages including cover sheet, attachments and documents: 5

**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to University of Maryland System (the "Assignee"), having a place of business at 4312 Knox Road, College Park, Maryland 20742, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled **Compositions and Methods for Differentiating Among *Shigella* Species and *Shigella* from *E. Coli* Species**, which was filed on **February 20, 1998**, as Application Serial No. **09/027,439**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;





*Afzal Chowdhury*

Afzal Chowdhury

4/21/98

Date

STATE OF MARYLAND )  
 )  
COUNTY OF BALTIMORE )

ss. 218 312870

BEFORE ME, the undersigned authority, on this 21 day of APRIL, 1998, personally appeared Afzal Chowdhury, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

*M. E. Mecca*  
\_\_\_\_\_  
Notary or Consular Officer  
MICHAEL E MECCA  
COMMISSION EXPIRES NOVEMBER 1 2001

Akin, Gump, Strauss, Hauer & Feld, L.L.P.  
816 Congress Avenue, Suite 1900  
Austin, TX 78701