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original documents or copy thereof.

To The Honorable Assistant Commissioner

1. Name of conveying party(ies):

Naseem I Khan and Michael J. Boehm

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

3. Nature of Conveyance:

Assignment                      [ ] Merger  
 Security Agreement              [ ] Change of Name  
 Other \_\_\_\_\_

Execution Dates: February 9, 2000 and December 1, 1999

2. Name and address of receiving party(ies)

Name: the Ohio State University Research Foundation  
an instrumentality of the State of Ohio

City: Columbus State: Ohio Zip: 43210-1063

Additional name(s) & address(es) attached? [ ] Yes [X] 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)

B. Patent No.

**09/414,097** filed October 7, 1999

Additional numbers attached? [ ] Yes [X] No

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

Name: Curtis P. Ribando

Internal Address: USDA-ARS-OTT-National Center  
for Agricultural Utilization Research

Street Address: 1815 N. University Street

City: Peoria State: IL Zip: 61604

6. Total number of applications and patents involved: [ 1 ]

7. Total Fee (37 CFR 3.41) \$ 40.00

[ ] Enclosed

[X] Authorized to be charged to Deposit Account

8. Deposit Account Number: 01-0455

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.

CURTIS P. RIBANDO  
 Name of Person Signing

*Curtis P. Ribando*  
 Signature

February 17, 2000  
 Date

Number of pages including cover sheet, attachments, and document [ 2 ]

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

Assistant Commissioner of Patents & Trademarks  
 Box ASSIGNMENTS  
 Washington, D.C. 20231

03/31/2000 DNGUYEN 00000092 010455 09414097

01 FC:581 40.00 CH

I hereby certify that this correspondence is being deposited with the U.S. Postal Service in an envelope addressed to: Assistant Commissioner of Patents & Trademarks, Washington, D.C. 20231 on

February 17, 2000  
 (Date of Deposit)

Curtis P. Ribando  
 Name of Depositor

*Curtis P. Ribando*  
 Signature

2-17-00  
 Date of Signature

**PATENT**  
**REEL: 010638 FRAME: 0688**

**ASSIGNMENT**

This assignment is made by Naseem I. Khan, residing at 6811 N. Terra Vista, Apt.405, City of Peoria, State of Illinois 61614, ("ASSIGNOR") to the Ohio State University Research Foundation, an instrumentality of the State of Ohio and having an office at 1960 Kenny Road, Columbus, OH 43210-1063 ("ASSIGNEE").

FOR ONE U.S. DOLLAR (\$1.00) AND FOR OTHER GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to the invention entitled BACILLUS SPECIES FOR REDUCING FUSARIUM HEAD BLIGHT IN CEREALS, as described and/or claimed in a patent application filed on October 7, 1999. ASSIGNOR further does hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to ASSIGNOR's invention as described and/or claimed in any and all applications for patents based on the invention, including divisionals, continuations, renewals, substitutes and reissues thereof, and all rights of priority resulting from any of these patent applications, as well as all foreign counterparts and extensions thereof, together with all patents issuing on any of these applications for the full terms of all of the patents which may be granted on the invention.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to make applications for, to prosecute such applications, and to receive patents for the invention in the United States and any foreign countries, in ASSIGNEE's name.

**PATENT  
REEL: 010638 FRAME: 0689**

ASSIGNOR HEREBY PROMISES AND AGREES that ASSIGNOR will execute or procure any further necessary assurance of title to the invention and any patents which may issue on the invention. ASSIGNOR will, at any time, upon the request and without further consideration, but at the expense of ASSIGNEE, deliver any testimony in any legal proceedings and execute all papers and do all other things that may be necessary or desirable to perfect the title to the invention, or any patents which may be granted therefor, in ASSIGNEE, its successors, assigns, or other legal representatives. ASSIGNOR will, at any time, upon the request and at the expense of ASSIGNEE, execute any continuations, divisionals, reissues, or any other additional applications for patents for the invention or any part or parts thereof and any patents issuing thereon are hereby assigned to ASSIGNEE. ASSIGNOR will make all rightful oaths, and do all lawful acts required for procuring and enforcing any of the patents, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for the invention, resulting from any of the aforesaid applications to ASSIGNEE.

A handwritten signature in black ink, appearing to read "Naseem I. Khan", is written over a horizontal line.


Naseem I. Khan, ASSIGNOR

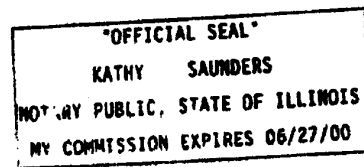
**PATENT**  
**REEL: 010638 FRAME: 0690**

KAS  
STATE OF ~~OHIO~~ ILLINOIS  
KAS : SS:  
COUNTY OF FRANKLIN : Peoria

Before me personally appeared Naseem I. Khan to me known and to be the same person described in and who executed the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 9 day of Feb, <sup>2000</sup>~~1999~~ 13

  
\_\_\_\_\_  
Notary Public



PATENT  
REEL: 010638 FRAME: 0691

**ASSIGNMENT**

This assignment is made by Michael J. Boehm, residing at 357 Pinney Drive, City of Worthington, State of Ohio 43085, ("ASSIGNOR") to the Ohio State University Research Foundation, an instrumentality of the State of Ohio and having an office at 1960 Kenny Road, Columbus, OH 43210-1063 ("ASSIGNEE").

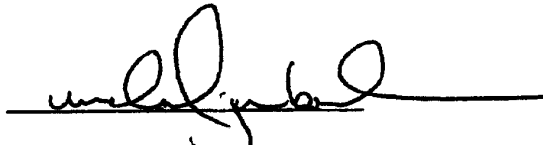
FOR ONE U.S. DOLLAR (\$1.00) AND FOR OTHER GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to the invention entitled BACILLUS SPECIES FOR REDUCING FUSARIUM HEAD BLIGHT IN CEREALS as described and/or claimed in a patent application filed on October 7, 1999. ASSIGNOR further does hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to ASSIGNOR's invention as described and/or claimed in any and all applications for patents based on the invention, including divisionals, continuations, renewals, substitutes and reissues thereof, and all rights of priority resulting from any of these patent applications, as well as all foreign counterparts and extensions thereof, together with all patents issuing on any of these applications for the full terms of all of the patents which may be granted on the invention.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to make applications for, to prosecute such applications, and to receive patents for the invention in the United States and any foreign countries, in ASSIGNEE's name.

**PATENT  
REEL: 010638 FRAME: 0692**

ASSIGNOR HEREBY PROMISES AND AGREES that ASSIGNOR will execute or procure any further necessary assurance of title to the invention and any patents which may issue on the invention. ASSIGNOR will, at any time, upon the request and without further consideration, but at the expense of ASSIGNEE, deliver any testimony in any legal proceedings and execute all papers and do all other things that may be necessary or desirable to perfect the title to the invention, or any patents which may be granted therefor, in ASSIGNEE, its successors, assigns, or other legal representatives. ASSIGNOR will, at any time, upon the request and at the expense of ASSIGNEE, execute any continuations, divisionals, reissues, or any other additional applications for patents for the invention or any part or parts thereof and any patents issuing thereon are hereby assigned to ASSIGNEE. ASSIGNOR will make all rightful oaths, and do all lawful acts required for procuring and enforcing any of the patents, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for the invention, resulting from any of the aforesaid applications to ASSIGNEE.



Michael J. Boehm, ASSIGNOR

**PATENT**  
**REEL: 010638 FRAME: 0693**

STATE OF OHIO :  
 : SS:  
COUNTY OF FRANKLIN :

Before me personally appeared Michael J. Boehm to me known and to be the same person described in and who executed the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 1st day of December 1999

*Elizabeth A. Poeppelman*  
Notary Public

ELIZABETH A. POEPELMA  
NOTARY PUBLIC, STATE OF OHIO  
My Commission Expires Sept. 5, 2000

RECORDED: 02/22/2000

PATENT  
REEL: 010638 FRAME: 0694