

01-19-2001

OMB No. 0651-0011 (exp. 4/94)

12.27.00



Patent and Trademark Office

To the Honorable Commissioner of F

101588553

document or copy thereof.

1. Name of conveying party(ies):

James A. Baum, Chih-Rei Chu, William P. Donovan, Amy J. Gilmer, Mark J. Rugar

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

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

Name: Monsanto Company

Internal Address:

Street Address: 800 N. Lindbergh Blvd.

City: St. Louis State: MO Zip: 63167

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: 12/11/00, 12/8/00, 12/4/00, 12/4/00, 11/21/00, respectively

4. Application number(s) or registration 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):

09/661,322

B. Patent No.(s):

Additional numbers attached? Yes No

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

Name: Patricia Kammerer
Howrey Simon Arnold & White, LLP
750 Bering Drive

City: Houston State: Texas Zip: 77057-2198

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: 01-2508/11792.0201.NPUS00
(Attach duplicate copy of this page if paying by deposit account)

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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.

Patricia Kammerer

Pat. Kammerer 19 Dec. 2000
Signature Date

Name of Person Signing, Reg. No. 29,775

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

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

Commissioner of Patents and Trademarks
Box Assignment
Washington, D.C. 20231

01/18/2001 MTHAI1 00000148 012508 09661322

01 FC:581 40.00 CH

CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Office of Public Records, Crystal Gateway 4, Room 335, Washington, DC 20231, on the date below:

12-19-00
Date

Elizabeth Hrg
Signature

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 Monsanto Company (the "Assignee"), having a place of business at 800 N. Lindbergh Boulevard, St. Louis, Missouri 63167, 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, Serial No. **09/661,322** which has been filed on September 13, 2000 and is entitled "LEPIDOTERAN-ACTIVE *BACILLUS THURINGIENSIS* δ -ENDOTOXIN COMPOSITIONS AND METHODS OF USE", 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;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: James A. Baum
Name: James A. Baum

Date: 12-11-2000

STATE OF MISSOURI)
) ss.
COUNTY OF St. Louis)

BEFORE ME, the undersigned authority, on this 11th day of December, 2000, personally appeared James A. Baum, 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.



[SEAL]

Michelle Ludwig
Notary or Consular Officer

Signature: Chih-Rei Chu
Name: Chih-Rei Chu

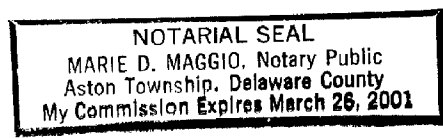
Date: 12-8-2000

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF Allegheny)

BEFORE ME, the undersigned authority, on this 8 day of December, 2000, personally appeared Chih-Rei Chu, 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.

Marie D. Maggio
Notary or Consular Officer

[SEAL]



Signature: William P. Donovan
Name: William P. Donovan

Date: DECEMBER 4, 2000

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF BUCKS)

BEFORE ME, the undersigned authority, on this 4th day of DECEMBER, 2000, personally appeared William P. Donovan, 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.

Barbara A. Schmidt
Notary or Consular Officer

[SEAL]

NOTARIAL SEAL
Barbara A. Schmidt, Notary Public
Langhorne, Bucks County
My Commission Expires May 25, 2004

Signature: Amy J. Gilmer
Name: Amy J. Gilmer

Date: December 4, 2000

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF BUCKS)

BEFORE ME, the undersigned authority, on this 4th day of DECEMBER, 2000, personally appeared Amy J. Gilmer, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Barbara A. Schmidt
Notary or Consular Officer

[SEAL]

NOTARIAL SEAL
Barbara A. Schmidt, Notary Public
Langhorne, Bucks County
My Commission Expires May 25, 2004

Signature: Mark J. Rugar
Name: Mark J. Rugar

Date: 11-21-00

STATE OF DELAWARE)
) ss.
COUNTY OF New Castle)

BEFORE ME, the undersigned authority, on this 21 day of November, 2000, personally appeared Mark J. Rugar, 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.

 K. D. Wyl
Notary or Consular Officer

[SEAL]

750 Bering Drive
Houston, Texas 77057-2198

HOWERY SIMON ARNOLD & WHITE

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1301 K Street, N.W.
Suite 350 East Tower
Washington, DC 20005