

05-02-2002



FORM PTO-1595
(Rev. 6-93)

U.S. Department of Commerce

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

102075429
PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner for Patents: Please record the attached original document or copy thereof.

PTO
10/124933
04/18/02

1. Name of conveying party(ies):
Vikram P. Mehrotra *4-18-02*
Chris R. Redford
 Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
 Execution Date: **April 15, 2002**

2. Name and address of receiving party(ies):
 Name: **Monsanto Technology LLC**
 Street Address: **800 N. Lindbergh Boulevard**
 City: **St. Louis** State: **Missouri** Zip: **63167**
 Additional name(s) & address(es) attached? Yes No

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: **April 12, 2002 (For Vikram Mehrotra) and April 15, 2002 for Chris Redford**

A. Patent Application No.(s): **10,124,933**
 B. Patent No.(s):
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: **Matthew L. Madsen**
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
 Authorized to be charged to deposit account

8. Deposit account number: 01-2508/11916.0052.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.

Matthew L. Madsen *Matthew Madsen* **4/18/02**
 Name of Person Signing, Reg. No. 45,594 Signature Date

Total number of pages including cover sheet, attachments and documents: 4

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

05/02/2002 GT0M11 00000058 012508 10124933
01 FC:581 40.00 CH

Commissioner for Patents
Box Assignment
Washington, D.C. 20231

CERTIFICATE OF EXPRESS MAIL

NUMBER EL 830941888 US

DATE OF DEPOSIT *4/18/02*

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

Juanita A Rangel
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 Technology LLC (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, which has been executed by the undersigned concurrently herewith and is entitled "**APPARATUS AND METHOD FOR DETECTION OF ESTRUS AND/OR NON-PREGNANCY**"; 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: *Vikram P. Mehrotra*
Name: Vikram P. Mehrotra

Date: 4/15/02

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

BEFORE ME, the undersigned authority, on this 15th day of April, 2002, personally appeared Vikram P. Mehrotra, 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.

Ann M Kain
Notary or Consular Officer

ANN M KAIN
Notary Public - Notary Seal
STATE OF MISSOURI
ST. LOUIS COUNTY
MY COMMISSION EXP. MAR. 26, 2006

[SEAL]

Signature: *Chris R. Redford*
Name: Chris R. Redford

Date: 4/15/02

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

BEFORE ME, the undersigned authority, on this 15th day of April, 2002, personally appeared Chris R. Redford, 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.

Ann M Kain
Notary or Consular Officer

ANN M KAIN
Notary Public - Notary Seal
STATE OF MISSOURI
ST. LOUIS COUNTY
MY COMMISSION EXP. MAR. 26, 2006

[SEAL]

HOWERY SIMON ARNOLD & WHITE, LLP
750 Bering Drive
Houston, Texas 77057-2198

Assignment

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