

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Nordine CHEIKH	12/03/2009
Jingdong LIU	12/02/2009
<b>RECEIVING PARTY DATA</b>	
Name:	Monsanto Technology LLC
Street Address:	800 N. Lindbergh Boulevard
City:	St. Louis
State/Country:	MISSOURI
Postal Code:	63167
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	09300482
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(202)942-5999
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(202) 942-5325
Email:	lisa.adelson@aporter.com
Correspondent Name:	Arnold & Porter LLP
Address Line 1:	555 Twelfth Street, N.W.
Address Line 2:	Attn: IP Docketing
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20004-1206
ATTORNEY DOCKET NUMBER:	P01824US03/16517.216
NAME OF SUBMITTER:	Lisa A. Adelson
<p>Total Attachments: 8</p> <p>source=09300482_assignment_as_filed_12_07_2009#page1.tif</p> <p>source=09300482_assignment_as_filed_12_07_2009#page2.tif</p>	

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**PATENT**  
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### ASSIGNMENT

WHEREAS, I/WE, the undersigned, have made certain invention or inventions which are disclosed in patent application(s) and/or provisional patent application(s) entitled:

Nucleic Acid Molecules and Other Molecules Associated with the Phosphogluconate Pathway

identified as U.S. Application No. 09/300,482 and filed on April 28, 1999

WHEREAS, **Monsanto Technology LLC**, of St. Louis, Missouri, a Corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I/WE do hereby sell, assign and transfer to said **Monsanto Technology LLC**, its successors and assigns, the entire right, title and interest in and to said invention or inventions, in any form or embodiment thereof, and in and to said application(s); and in and to any and all applications filed in any country based thereon, including the right to file applications in countries other than the country of priority filing under the provisions of any international convention; also in and to any and all improvements on said invention or inventions now or hereafter made by me/us as employee(s), agent(s) or contractor(s) of said **Monsanto Technology LLC**; also the entire right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said invention, inventions or improvements, and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed provisional application, which may be filed upon said invention, inventions or improvements in any country; and

I/WE hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said **Monsanto Technology LLC**, as assignee of the entire interest.

I/WE further agree, without any payment by **Monsanto Technology LLC** other than in reimbursement of reasonable expenses I/we may incur, to communicate to said **Monsanto Technology LLC**, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

IN TESTIMONY WHEREOF I/WE have hereto set our hands on the dates set after our signatures.

Signature: *Nordine Cheikh*

Date: 12/03/2009

Name: Nordine CHEIKH

City and state or country of residence: Chesterfield, MO

State of Missouri

County of St. Louis

} ss.

On this 3 day of December, 2009, before me personally appeared \_\_\_\_\_, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

*Gracie L. Williams*  
Notary Public or Consular Officer

My Commission expires July 9, 2013



GRACIE L. WILLIAMS  
My Commission Expires  
July 9, 2013  
St. Louis County  
Commission #09403322

IN TESTIMONY WHEREOF, I/WE have hereto set our hands on the dates set after our signatures.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: Jingdong LIU

City and state or country of residence: \_\_\_\_\_

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me personally appeared \_\_\_\_\_, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

\_\_\_\_\_  
Notary Public or Consular Officer

My Commission expires \_\_\_\_\_

IN TESTIMONY WHEREOF, I/WE have hereto set our hands on the dates set after our signatures.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: Virginia M. PESCHKE

City and state or country of residence: \_\_\_\_\_

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me personally appeared \_\_\_\_\_, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

\_\_\_\_\_  
Notary Public or Consular Officer

My Commission expires \_\_\_\_\_

**ASSIGNMENT**

WHEREAS, I/WE, the undersigned, have made certain invention or inventions which are disclosed in patent application(s) and/or provisional patent application(s) entitled:

Nucleic Acid Molecules and Other Molecules Associated with the Phosphogluconate Pathway

identified as U.S. Application No. 09/300,482 and filed on April 28, 1999

WHEREAS, **Monsanto Technology LLC**, of St. Louis, Missouri, a Corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I/WE do hereby sell, assign and transfer to said **Monsanto Technology LLC**, its successors and assigns, the entire right, title and interest in and to said invention or inventions, in any form or embodiment thereof, and in and to said application(s); and in and to any and all applications filed in any country based thereon, including the right to file applications in countries other than the country of priority filing under the provisions of any international convention; also in and to any and all improvements on said invention or inventions now or hereafter made by me/us as employee(s), agent(s) or contractor(s) of said **Monsanto Technology LLC**; also the entire right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said invention, inventions or improvements, and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed provisional application, which may be filed upon said invention, inventions or improvements in any country; and

I/WE hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said **Monsanto Technology LLC**, as assignee of the entire interest.

I/WE further agree, without any payment by **Monsanto Technology LLC** other than in reimbursement of reasonable expenses I/we may incur, to communicate to said **Monsanto Technology LLC**, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

IN TESTIMONY WHEREOF, I/WE have hereto set our hands on the dates set after our signatures.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: Nordine CHEIKH

City and state or country of residence: \_\_\_\_\_

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me personally appeared \_\_\_\_\_, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

\_\_\_\_\_  
Notary Public or Consular Officer

My Commission expires \_\_\_\_\_



IN TESTIMONY WHEREOF, I/WE have hereto set our hands on the dates set after our signatures.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Jingdong LIU

City and state or country of residence: Chesterfield, MO

State of \_\_\_\_\_

County of \_\_\_\_\_

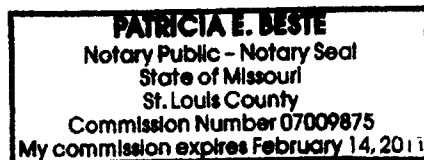
} ss.

On this 2nd day of December, 2009, before me personally appeared Jingdong Liu, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

Patricia E. Beste  
Notary Public or Consular Officer

My Commission expires 2/14/2011



IN TESTIMONY WHEREOF, I/WE have hereto set our hands on the dates set after our signatures.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: Virginia M. PESCHKE

City and state or country of residence: \_\_\_\_\_

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me personally appeared \_\_\_\_\_, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

\_\_\_\_\_  
Notary Public or Consular Officer

My Commission expires \_\_\_\_\_