

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4401959

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MANJU GUPTA	01/31/2017
SANDEEP KUMAR	01/31/2017
NAVIN ELANGO	01/31/2017
KARTHIK NARAYAN MUTHURAMAN	02/06/2017
JEFFREY BERINGER	01/31/2017
HUIXIA WU	01/31/2017
NAGESH SARDESAI	01/31/2017
RECEIVING PARTY DATA	
Name:	DOW AGROSCIENCES LLC
Street Address:	9330 ZIONSVILLE ROAD
City:	INDIANAPOLIS
State/Country:	INDIANA
Postal Code:	46268
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	61886943
Application Number:	14505055
CORRESPONDENCE DATA	
Fax Number:	(317)231-7433
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	317-231-7479
Email:	gtwyman@btlaw.com
Correspondent Name:	ANGELA B. FREEMAN
Address Line 1:	11 SOUTH MERIDIAN STREET
Address Line 2:	BARNES & THORNBURG LLP
Address Line 4:	INDIANAPOLIS, INDIANA 46204
ATTORNEY DOCKET NUMBER:	14764-231753
NAME OF SUBMITTER:	ANGELA B. FREEMAN
SIGNATURE:	/Angela B. Freeman/

PATENT

DATE SIGNED:	05/08/2017
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Total Attachments: 8

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s) of Inventor(s) Manju GUPTA Jeffrey BERINGER
Sandeep KUMAR Huixia WU
Navin ELANGO Nagesh SARDESAI
Karthik Narayan MUTHURAMAN

maker(s) of an invention which is the subject of a United States Provisional Patent Application identified as U.S. Application Serial No. 61/886,943 with a filing date of October 4, 2013, and a United States Nonprovisional Patent Application identified as U.S. Application Serial No. 14/505,055 for Letters Patent of the United States ("Application") with a filing date of October 2, 2014, entitled:

Title of Application ZEA MAYS METALLOTHIONEIN-LIKE REGULATORY ELEMENTS
AND USES THEREOF

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of Assignee Dow AgroSciences LLC

Address of principal place of business 9330 Zionsville Road
Indianapolis, IN 46268-1054

Insert State of Incorporation (if applicable) or "Not Applicable" a corporation of Delaware

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment at Indianapolis, Indiana
this 31st day of January, 2017

Witness

Inventor (Signature) Manju Gupta

Witness

Inventor (Printed Name) Manju Gupta

ACKNOWLEDGMENT

STATE OF Indiana }
COUNTY OF Marion } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal

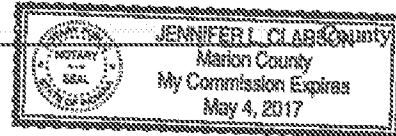
this 31st day of January, 2017

Jennifer L. Clason
Notary Public

Printed Name

My Commission Expires: _____

Resident of _____



IN WITNESS WHEREOF, I have executed this assignment at Indianapolis, Indiana
this 31ST day of January 2017

Witness

Inventor (Signature)

Witness

Sandeep Kumar
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF Indiana }
COUNTY OF Marion }

SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal

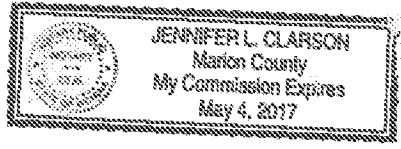
this 31ST day of January 2017

Notary Public

Printed Name

My Commission Expires: _____

Resident of _____ County



IN WITNESS WHEREOF, I have executed this assignment at Indianapolis, Indiana
this 31ST day of January, 2017

Witness

[Signature]
Inventor (Signature)

Witness

Navin Elango
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF Indiana)
COUNTY OF Marion) SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal

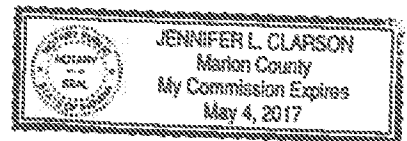
this 31ST day of January, 2017

[Signature]
Notary Public

Printed Name

My Commission Expires: _____

Resident of _____ County



IN WITNESS WHEREOF, I have executed this assignment at Woburn, MA

this 6th day of February, 2017.

Outside the USA:
Witnesses are
required when
acknowledgment
before a Notary
Public is not
feasible.

[Signature]
Witness
[Signature]
Witness

[Signature]
Inventor (Signature)
Karthik Narayan MUTHURAMAN
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal

this _____ day of _____, 2017.

Notary Public

Printed Name

My Commission Expires: _____

Resident of _____ County

IN WITNESS WHEREOF, I have executed this assignment at Indianapolis, Indiana
this 31st day of January, 2017

Witness

Jeffrey Beringer
Inventor (Signature)

Witness

Jeffrey Beringer
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF Indiana)
COUNTY OF Martin)

SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal

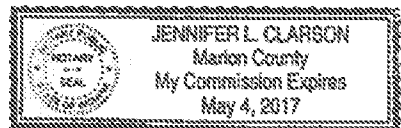
this 31st day of January, 2017

Jennifer L. Clarkson
Notary Public

Printed Name

My Commission Expires: _____

Resident of _____ County



IN WITNESS WHEREOF, I have executed this assignment at Indianapolis, Indiana
this 31st day of January, 2017.

Witness

Huibia Wu

Inventor (Signature)

Witness

Huibia Wu

Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF Indiana)
))
COUNTY OF Marion)

SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal

this 31st day of January, 2017

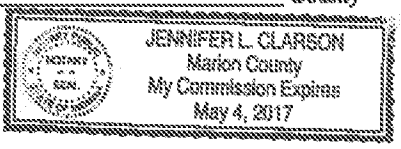
Jennifer L. Clarson

Notary Public

Printed Name

My Commission Expires: _____

Resident of _____ County



IN WITNESS WHEREOF, I have executed this assignment at _____

this 31st day of January, 2017

C. S. Reddy
Witness

[Signature]
Inventor (Signature)

[Signature]
Witness

Nagesh Sardesai
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal

this _____ day of _____

Notary Public

Printed Name

My Commission Expires: _____

Resident of _____ County