

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4160859

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KENNETH E. NARVA	11/28/2016
ELANE FISHILEVICH	11/16/2016
MURUGESAN RANGASAMY	11/28/2016
MEGHAN L. FREY	11/16/2016
WENDY LO	11/16/2016
SARAH E. WORDEN	11/16/2016
PREMCHAND GANDRA	11/16/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DOW AGROSCIENCES LLC
<b>Street Address:</b>	9330 ZIONSVILLE RD
<b>City:</b>	INDIANAPOLIS
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	46268
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15284922
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	317-337-3071
<b>Email:</b>	jwilson5@dow.com
<b>Correspondent Name:</b>	DOW AGROSCIENCES LLC
<b>Address Line 1:</b>	9330 ZIONSVILLE RD
<b>Address Line 4:</b>	INDIANAPOLIS, INDIANA 46268
<b>ATTORNEY DOCKET NUMBER:</b>	77333-US-NP
<b>NAME OF SUBMITTER:</b>	JASSYLIA R. WILSON
<b>SIGNATURE:</b>	/Jassylia R. Wilson/
<b>DATE SIGNED:</b>	11/29/2016

**Total Attachments: 10**

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## ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made effective this 4<sup>th</sup> day of October, 2016, by Kenneth E. Narva; Elane Fishilevich; Murugesan Rangasamy; Meghan L. Frey; Wendy Lo; Sarah E. Worden; and Premchand Gandra (hereinafter referred to as Assignors), residing at 9330 Zionsville Road, Indianapolis, Indiana 46268; 9330 Zionsville Road, Indianapolis, Indiana 46268; 9330 Zionsville Road, Indianapolis, Indiana 46268; 9330 Zionsville Road, Indianapolis, Indiana 46268; 9330 Zionsville Road, Indianapolis, Indiana 46268; 9330 Zionsville Road, Indianapolis, Indiana 46268; and 9330 Zionsville Road, Indianapolis, Indiana 46268, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in WUPA NUCLEIC ACID MOLECULES THAT CONFER RESISTANCE TO COLEOPTERAN AND HEMIPTERAN PESTS, *set forth in* a Patent application for Letters Patent of the United States, already filed on October 4, 2016 as U.S. Application No. 15/284,922; and

WHEREAS, Dow AgroSciences LLC, a Limited Liability Company organized under and pursuant to the laws of Delaware having its principal place of business at 9330 Zionsville Road, Indianapolis, Indiana 46268 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and valuable consideration and/or the remuneration received for my/our work and/or other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under

the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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:

DOW AGROSCIENCES LLC

All practitioners at Customer Number 25212

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

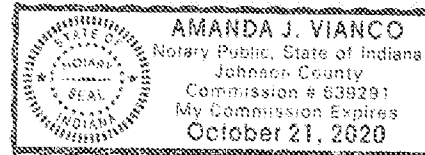
Kenneth E. Narva  
Kenneth E. Narva

Date: 11-28-16

United States of America )  
State of Indiana ) ss.:  
County of MADISON )

On this 28th day of November, 2016, before me personally came Kenneth E. Narva, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Amanda J. Vianco  
Notary Public



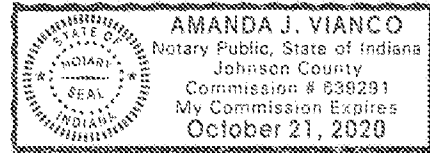
Elane Fishilevich  
Elane Fishilevich

Date: 11/16/2016

United States of America )  
State of Indiana ) ss.:  
County of Marion )

On this 16<sup>th</sup> day of November, 2016, before me personally came Elane Fishilevich, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Amanda J. Vianco  
Notary Public

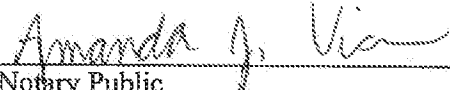


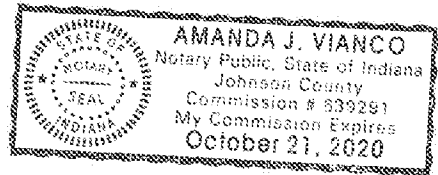
  
Murugesan Rangasamy

Date: 11/28/2016

United States of America )  
State of Indiana ) ss.:  
County of Marion )

On this 25<sup>th</sup> day of November, 2016, before me personally came Murugesan Rangasamy, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public





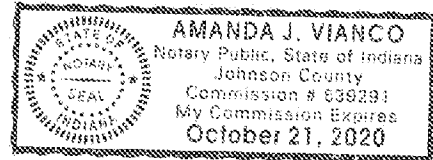
Meghan L. Frey  
Meghan L. Frey

Date: 11/16/16

United States of America )  
State of Indiana ) ss.:  
County of Marion )

On this 16<sup>th</sup> day of November, 2016, before me personally came Meghan L. Frey, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Amanda J. Vianco  
Notary Public



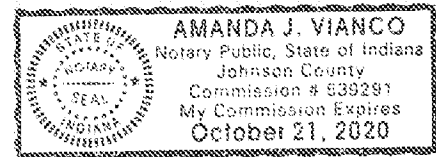
Wendy Lo  
Wendy Lo

Date: 11/16/2016

United States of America )  
State of Indiana ) ss.:  
County of Marion )

On this 16th day of November, 2016, before me personally came Wendy Lo, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Amanda J. Vianco  
Notary Public



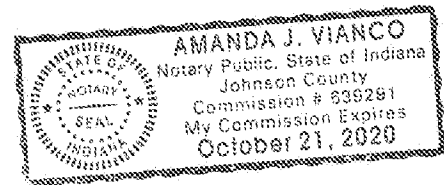
Sarah E Worden  
Sarah E. Worden

Date: 11/16/2016

United States of America )  
State of Indiana ) ss.:  
County of Madison )

On this 16<sup>th</sup> day of November, 2016, before me personally came Sarah E. Worden, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Amanda J. Vianco  
Notary Public



*[Handwritten Signature]*

Premchand Gandra

Date: 11/16/2016

United States of America )  
State of Indiana ) ss.:  
County of Marion )

On this 16th day of November, 2016, before me personally came Premchand Gandra, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*[Handwritten Signature]*  
Notary Public

