

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREAS VILCINSKAS	11/04/2015
EILEEN KNORR	11/04/2015
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14705807
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	75747NP
<b>NAME OF SUBMITTER:</b>	MICHELE LYONS
<b>SIGNATURE:</b>	/Michele Lyons/
<b>DATE SIGNED:</b>	12/02/2015
<b>Total Attachments: 7</b>	
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## ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 6<sup>th</sup> day June, 2015, by Andreas Vilcinskas and Eilcen Knorr (hereinafter referred to as Assignors), residing at Winchesterstr. 2, 35394 Giessen, GERMANY; and Heinrich-Buff-Ring 26-32, 35392 Giessen, GERMANY, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in DRE4 NUCLEIC ACID MOLECULES THAT CONFER RESISTANCE TO COLEOPTERAN PESTS, set forth in a Patent application for Letters Patent of the United States, already filed on May 6, 2015 as U.S. Application No. 14/705,807; and

WHEREAS, the Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e. V., organized under and pursuant to the laws of Germany having its principal place of business at Hansastraße 27 c, 80686 München, Federal Republic of Germany (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, for good and valuable consideration and/or the remuneration received for my/our work and/or other goods 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.

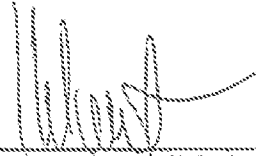
AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

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.



Andreas Vilcinskas

Date: 4.11.2015

This Form 881 is in the ENGLISH language and has the same meaning in other languages with the same 881 number.

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FORM 881

Case No. 75747-US-NP

SUBSCRIBING WITNESS  
AFFIDAVIT OF EXECUTION  
OF AN ASSIGNMENT

1. Linda Bingsch

Whose full post office address is:

Lahnstrasse 29

35398 Giessen

Germany

Make oath and say that I was personally present and did see:

Andreas Vilcinskas

Who is personally known or identified to me to be the inventor(s)  
named in the attached assignment, duly sign and execute the same  
for the purposes therein stated.

Signed at: Giessen

On this 4 day of November, 2015

[Signature]  
Subscribing Witness



\_\_\_\_\_  
Eileen Knorr

Date: 4.11.2015



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FORM 881

Case No. 75747-US-NP

SUBSCRIBING WITNESS  
AFFIDAVIT OF EXECUTION  
OF AN ASSIGNMENT

I, Linda Ringoher

Whose full post office address is:

Lahnstrasse 29

35398 Giessen

Germany

Make oath and say that I was personally present and did see:

Eileen Knorr

Who is personally known or identified to me to be the inventor(s)  
named in the attached assignment, duly sign and execute the same  
for the purposes therein stated.

Signed at: Giessen

On this 4 day of November, 2015

R. Ringoher  
Subscribing Witness