504948736 06/07/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID CALABOTTA	02/02/2015
WENDELL KNEHANS	02/12/2015
DEREK MCLEAN	11/25/2014

RECEIVING PARTY DATA

Name:	PHIBRO ANIMAL HEALTH CORPORATION	
Street Address:	300 FRANK W. BURR BOULEVARD, SUITE 21	
Internal Address:	GLENPOINTE CENTRE EAST, 3RD FLOOR	
City:	TEANECK	
State/Country:	NEW JERSEY	
Postal Code:	07666	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15977055

CORRESPONDENCE DATA

Fax Number: (503)595-5301

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.

Phone: 503-595-5300

Email: julie.morgan@klarquist.com **Correspondent Name:** KLARQUIST SPARKMAN, LLP

Address Line 1: 121 S.W. SALMON STREET, SUITE 1600

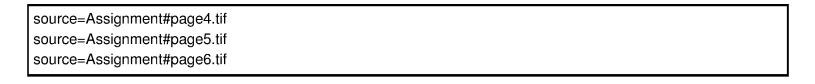
Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	9008-91983-04	
NAME OF SUBMITTER:	STEVEN J. BURGESS	
SIGNATURE:	/Steven J. Burgess/	
DATE SIGNED:	06/07/2018	

Total Attachments: 6

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> **PATENT** REEL: 046012 FRAME: 0105 504948736



PATENT REEL: 046012 FRAME: 0106

ASSIGNMENT

WHEREAS, we, David Calabotta, of Quincy, Illinois, Wendell Knehans, of St. Louis, Missouri, and Derek McLean, of Corvallis, Oregon, have invented a certain invention, as described in the following patent applications:

U.S. Provisional Patent Application No. 61/895,980, filed on October 25, 2013, entitled "COMBINATION AND/OR COMPOSITION COMPRISING BACILLUS, AND YUCCA, QUILLAJA, OR BOTH, AND A METHOD FOR USING AND MAKING," PCT Patent Application No. PCT/US2014/062283, filed on October 24, 2014, entitled "COMBINATION AND/OR COMPOSITION COMPRISING BACILLUS, AND YUCCA, QUILLAJA, OR BOTH, AND A METHOD FOR USING AND MAKING," which applications are collectively referred to as "the patent applications."

WHEREAS, Phibro Animal Health Corporation, a corporation organized under the laws of the State of New Jersey, having a place of business at Glenpointe Centre East, 3rd floor, 300 Frank W. Burr Blvd., Suite 21, Teaneck, New Jersey 07666-6712, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, David Calabotta, Wendell Knehans and Derek McLean, hereby sell, assign, and transfer to Phibro Animal Health Corporation the full and exclusive right, title, and interest in and to the invention, the patent applications, and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute international applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; the invention, the patent applications, and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by Phibro Animal Health Corporation for its own use and benefit, and for its successors and assigns, to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Phibro Animal Health Corporation, or its successors and assigns, any facts known to us respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all

divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid Phibro Animal Health Corporation, its successors, and assigns, to obtain and enforce proper patent protection for the invention in the United States or any foreign country.

We confirm that, at the time the invention was made, we were under an obligation to assign the invention to Phibro Animal Health Corporation.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

Dayid Calabo

At Quincy IL

(City and State)
on this 2 day of February, 2015.

STATE OF Fllinois

COUNTY OF Adams) ss.

This 2 day of <u>February</u>, 20/5, before me personally came the above-named David Calabotta, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by David Calabotta's own free will for the purpose set forth therein.

OFFICIAL SEAL Notary Public F

OTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES OF ILLINOIS

[SEAL]

Outricia a-M. Dopheide

Notary Public For

My commission expires: 4/20/16

Page 2 of 3

	Wendel Knehms
At Quincy FL (City and State) on this 12 day of February, 2015.	Wendell Knehans
STATE OF Illinois) COUNTY OF Adams) ss.	
This 2 day of <u>February</u> , 2015, Wendell Knehans, who executed the foregoing in acknowledged to me that this instrument was exerthe purpose set forth therein.	before me personally came the above-named in my presence, and who ecuted by Wendell Knehans's own free will for
OFFICIAL SEAL PATRICIA A M DOPHEIDE NOTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES:04/20/16	Notary Public For My commission expires: 4/20/16
At	Derek McLean
(City and State) on this day of, 20	
STATE OF) ss. COUNTY OF)	
This day of	, before me personally came the above-named rument in my presence, and who acknowledged k McLean's own free will for the purpose set
[SEAL]	Notary Public For My commission expires:

ASSIGNMENT

WHEREAS, we, David Calabotta, of Quincy, Illinois, Wendell Knehans, of St. Louis, Missouri, and Derek McLean, of Corvallis, Oregon, have invented a certain invention, as described in the following patent applications:

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divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid Phibro Animal Health Corporation, its successors, and assigns, to obtain and enforce proper patent protection for the invention in the United States or any foreign country.

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We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

	David Calabotta
At	David Calabora
(City and State)	
on this, 20	
STATE OF)	
) ss.	
COUNTY OF)	
This day of, 20, David Calabotta, who executed the foregoing ins to me that this instrument was executed by David forth therein.	
	Notary Public For My commission expires:
[SEAL]	•

		Wendell Knehans
At (City and State)	· ·	
on this day of,		
STATE OF)	
COUNTY OF) s:	S.
		20, before me personally came the above-named going instrument in my presence, and who was executed by Wendell Knehans's own free will for
[SEAL]		Notary Public For My commission expires:
At CORVALLIS POEM	(ne	Deuk McLean Derek McLean
At CORVALUS, OREGO (City and State) on this 15th day of November,	20 <u>14</u> .	
STATE OF OREGON)) ss	5.
Derek McLean, who executed the	foregoi	20 14, before me personally came the above-named ng instrument in my presence, and who acknowledged y Derek McLean's own free will for the purpose set
OFFICIAL SEAL DION J ARLYN NOTARY PUBLIC-OREGO COMMISSION NO. 47154 MY COMMISSION EXPIRES SEPTEMBER 09	ON 5	Notary Public For OREGON My commission expires: 09-09-2016