505182207 11/08/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KOUR CHAND JINDAL	08/07/2018
JIAN HAN	08/20/2018
KIM AGNEW	08/09/2018

RECEIVING PARTY DATA

Name:	MERIAL, INC.	
Street Address:	3239 SATELLITE BLVD.	
City:	DULUTH	
State/Country:	GEORGIA	
Postal Code:	30096	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	16017880
PCT Number:	US2018039361

CORRESPONDENCE DATA

Fax Number: (678)638-3350

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.

Email: assignment.ip@merial.com

Correspondent Name: DR. JUDY JARECKI-BLACK, ESQ.

Address Line 1: 3239 SATELLITE BLVD.
Address Line 4: DULUTH, GEORGIA 30096

ATTORNEY DOCKET NUMBER:	MER 17-319
NAME OF SUBMITTER:	TIKI CANTRELL
SIGNATURE:	/TIKI CANTRELL/
DATE SIGNED:	11/08/2018

Total Attachments: 4

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PATENT 505182207 REEL: 047455 FRAME: 0105

ASSIGNMENT

We:

Kour Chand JINDAL 14, Blackburn Road East Tamaki, Auckland 2013 New Zealand

Jian HAN 14, Blackburn Road East Tamaki, Auckland 2013 New Zealand Kim AGNEW 16 Giffnock Avenue Macquarie, 2113, NSW Australia

being the inventor(s) of certain improvements in the international application entitled: "DUAL ACTIVE PARASITICIDAL GRANULE COMPOSITIONS, METHODS AND USES THEREOF" for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby assign unto MERIAL INC., having a place of business at 3239 Satellite Blvd., Duluth, Georgia 30096 U.S.A., its successors and assigns (1) the entire right, title and interest in all countries throughout the world in and to any and all of my/our inventions and discoveries in my/our United States utility patent application filed on June 25, 2018, subsequently identified as U.S. Patent Application No. 16.017.880 and International Patent Application, filed under the Patent Cooperation Treaty in the United States Receiving Office (RO/US) on June 25, 2018, subsequently identified as International Patent Application No. PCT/US2018/039361, and designating all PCT member countries/states, as well as in any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefore; (2) the full and complete right to file patent applications in the name of MERIAl, INC., or their designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right title and interest in and to any Letters Patent which may issue on the aforesaid inventions, discoveries and applications in any country of the world and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the following priority application(s):

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US Provisional Application No. 62/524,746 filed 26 June 2017

PATENT REEL: 047455 FRAME: 0106 and all rights of priority in any country of the world deriving from the above-identified International Application.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in any country throughout the world to MERIAL INC. as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of MERIAL INC., to execute and to deliver to MERIAL INC. any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

I further agree, at any time, upon request of MERIAL INC., to execute and to deliver to MERIAL INC., such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do what is necessary to give full effect to and to perfect any and all rights of MERIAL INC., under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

In testimony of which I have hereupon affixed my signature, it is my intention that this Assignment instrument be effective, and all rights transferred herein shall be considered to have vested in MERIAL INC., as of the 26 June 2017, the filing date of US Provisional Application No. 62/524,746 from which earliest priority is hereby claimed.

> (1) Assignor's Signature:

Name: Kour Chand Jindal

07-August, 2018

Sign here (Print name below)
Witness 1: Anyana Jinda)

Witness 2: PRITE JINDAL

REEL: 047455 FRAME: 0107

(2) Assignor's Signature:	
Jian Ham	20 Aug 2018
Name: Jian Han	Date 2016
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<u> </u>	<u>NESSES</u>
- John John Harrison	Undy -
Sign here (Print name below)	Sign here (Print name hotisky)
Witness 1: 100000 Pr. AUSAGASO	Sign here (Print name belight) Witness 2: Amalia de Guzman
(3) Assignor's Signature:	
	, 2018
Name: Kim Agnew	Date
WIII	<u>NESSES</u>
Sign here (Print name below)	Sign here (Prim name below)
Witness 1:	Witness 2:
ACKNOWLEDGEN	MENT OF ASSIGNEE
MERIAL INC.	and all a
	Say this of 3 day of Stayles, 2018, Say Personally appeared
Ву:	before me, a Notary Public in and for the State of
(Signature & Anthonies Representative or Officer) Judy Jacobs-Black, Ph. D., J. D.	Georgian and duly acknowledged the executed
Print Name: Assistant Secretary	Assignment on behalf of the Assignee
Title:	VATOR AND THE STATE OF THE STAT

NOTARY PUBLIC, FULTON COUNTY, GEORGIA MY COMMISSION EXPIRES MARCH 24, 2020

	(2) Assignor's Signa	ture:
	Name: Jian Han	, 2018 Date
		<u>WITNESSES</u>
	ne balow)	Sign here (Print name below) Witness 2:
	(3) Assignor's Signa Name: Kirn Agnew	18 Date Date
0x0		witnesses
Sign here (Print non		Sign here (Printmatine below)
Witness 1: 21	HILLIP MCOUNACH	Witness 2: TARA CHEESMAN

ACKNOWLEDGEMENT OF ASSIGNEE

MERIAL/INC.	nel 1
By: (Signature of Authorized Professional Street St	day of he (457, 2018, 2018) personally appeared before me, a Notary Public in and for the State of Geograph, and duly acknowledged the executed
Print Name:	Askigninght on bohalf on the Assignee
	Notary Public

NOTARY PUBLIC, FULTON COUNTY, GEORGIA MY COMMISSION EXPIRES MARCH 24, 2020