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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

CONVEYING PARTY DATA

NATURE OF CONVEYANCE:

Name	Execution Date
RATNAKAR ASOLKAR	06/26/2019
MARJA KOIVUNEN	06/26/2019
PAMELA G. MARRONE	06/25/2019
ANA LUCIA CORDOVA-KREYLOS	07/12/2019
HUAZHANG HUANG	06/27/2019

ASSIGNMENT

RECEIVING PARTY DATA

Name:	MARRONE BIO INNOVATIONS, INC.
Street Address:	1540 DREW AVENUE
City:	DAVIS
State/Country:	CALIFORNIA
Postal Code:	95618

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16449871

CORRESPONDENCE DATA

Fax Number: (972)746-2605

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Correspondent Name: THE LAW OFFICES OF CHAINEY P. SINGLETON PLLC

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Address Line 2: SUITE B245

Address Line 4: DALLAS, TEXAS 75243

Total Attackments, F	
DATE SIGNED:	07/15/2019
SIGNATURE:	/CHAINEY P. SINGLETON/
NAME OF SUBMITTER:	CHAINEY P. SINGLETON
ATTORNEY DOCKET NUMBER:	MARR 00166

Total Attachments: 5

PATENT REEL: 049749 FRAME: 0029

EPAS ID: PAT5617375

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ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to Marrone Bio Innovations, Inc. (the "Assignee"), having a place of business at 1540 Drew Avenue, Davis, CA 95618, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions, subject matter and improvements disclosed in the application for United States Letters Patent, Serial No. 16/449,871, which has been filed on June 24, 2019 and is entitled "Isolated Bacterial Strains of the Genus Berkholderia and Pesticidal Metabolites Therefrom", (the "Invention"), such application and any and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all foreign countries based on the Invention; all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries based on the Invention; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned:

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

JANE 1	06/26/20/9
Ratnakar Asolkar	Date
Marja Koivunen	Date

Assignment of Patent Application Serial No. 16/449,871 Attorney Docket No. MOI-42016-US-CON2 (00166)

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to Marrone Bio Innovations, Inc. (the "Assignee"), having a place of business at 1540 Drew Avenue, Davis, CA 95618, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions, subject matter and improvements disclosed in the application for United States Letters Patent, Serial No. 16/449,871, which has been filed on June 24, 2019 and is entitled "Isolated Bacterial Strains of the Genus Berkholderia and Pesticidal Metabolites Therefrom", (the "Invention"), such application and any and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all foreign countries based on the Invention; all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries based on the Invention; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned:

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers: communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

Ratnakar Asolkar		Date
	of the same	6/26/14
Marja Koivunen	/prod	Date

Assignment of Patent Application Serial No. 16/449,871 Attorney Docket No. MOI-42016-US-CON2 (00166)

D) hume	June 25, 2019
Pamelă (% Martone	Date
Ana Lucia Cordova-Kreylos	 Date
Huazhang Huang	***************************************

Assignment of Patent Application Serial No. 16/449.871 Attorney Docket No. MOI-42016-US-CON2 (80166)

Pamela G, Marrone	Date
Ana Lucia Cordova-Kreylos	3/12/2019 Date
Huazhang Huang	Date

Assignment of Patent Application Serial No. 16/449,871 Attorney Docket No. MOI-42016-US-CON2 (00166)

Pamela G. Marrone	Date
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Ana Lucia Cordova-Kreylos	Date
Yourka Soften C	6/27/2019
fuazhang Husag	Date

RECORDED: 07/15/2019

PATENT

REEL: 049749 FRAME: 0035