505081065 09/06/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5127823

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CORY PANATTONI	04/10/2018
PAUL LIU	08/01/2018
CLAYTON MCKEE	08/01/2018

RECEIVING PARTY DATA

Name:	BIO-RAD LABORATORIES, INC.
Street Address:	1000 ALFRED NOBEL DRIVE
City:	HERCULES
State/Country:	CALIFORNIA
Postal Code:	94547

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15758445

CORRESPONDENCE DATA

Fax Number: (510)741-4048

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: 5107416332

Email: jessie flores@bio-rad.com NASISHADH DESAID PHD **Correspondent Name:** Address Line 1: BIO-RAD LABORATORIES, INC. Address Line 2: 1000 ALFRED NOBEL DRIVE Address Line 4: HERCULES, CALIFORNIA 94547

NAME OF SUBMITTER:	NAISHADH N. DESAI
SIGNATURE:	/Naishadh N. Desai/
DATE SIGNED:	09/06/2018

Total Attachments: 5

source=BRP00820_AssignmentDocument#page1.tif source=BRP00820 AssignmentDocument#page2.tif source=BRP00820 AssignmentDocument#page3.tif source=BRP00820_AssignmentDocument#page4.tif

> **PATENT** REEL: 046804 FRAME: 0099

505081065

 $source = BRP00820_AssignmentDocument\#page5.tif$

PATENT REEL: 046804 FRAME: 0100

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Bio-Rad Laboratories**, Inc., a Delaware company, having a place of business at 1000 Alfred Nobel Drive, Hercules, California 94547 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application filed under 35 U.S.C. § 111, design application filed under 35 § 171, international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

U.S. National Phase Patent Application No.: 15/758,445, Entitled: Electrophoresis Receptacles and Methods, Filed on March 8, 2018 and International Patent Application No.: PCT/US2016/053047, Entitled: Electrophoresis Receptacles and Methods, Filed on September 22, 2016.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all PATENTS (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

PATENT REEL: 046804 FRAME: 0101

Title: Electrophoresis Receptacles and Methods	
Application No. 15/758,445	Client Reference No.: BRP00820-LSG-LSD-10915-
	US
Filed: March 8, 2018	Attorney Docket No.: 094263-1075816-110410US
Title: Electrophoresis Receptacles and Methods	
International Patent Application No.:	Client Reference No.:
PCT/US2016/053047	BRP00820-LSG-LSD-10915-WO
Filed: September 22, 2016	Attorney Docket No.: 094263-1075816-110410PC

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature	Date of Signature
Clayton McKee Cory Panationi	2-4-10-18
Paul Liu	

Assignee hereby accepts this Assignment

Name: John J. Cassingham

VP, Assistant General Counsel Bio-Rad Laboratories, Inc.

Dated: August 20, 2018

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Bio-Rad Laboratories**, Inc., a Delaware company, having a place of business at 1000 Alfred Nobel Drive, Hercules, California 94547 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application filed under 35 U.S.C. § 111, design application filed under 35 § 171, international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

U.S. National Phase Patent Application No.: 15/758,445, Entitled: Electrophoresis Receptacles and Methods, Filed on March 8, 2018 and International Patent Application No.: PCT/US2016/053047, Entitled: Electrophoresis Receptacles and Methods, Filed on September 22, 2016.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all PATENTS (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

PATENT REEL: 046804 FRAME: 0103

Title: Electrophoresis Receptacles and Methods	
Application No. 15/758,445	Client Reference No.: BRP00820-LSG-LSD-10915- US
Filed: March 8, 2018	Attorney Docket No.: 094263-1075816-110410US
Title: Electrophoresis Receptacles and Methods	
International Patent Application No.:	Client Reference No.:
PCT/US2016/053047	BRP00820-LSG-LSD-10915-WO
Filed: September 22, 2016	Attorney Docket No.: 094263-1075816-110410PC

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment,

Name and Signature	Date of Signature
Clayton McKee	
Cory Panattoni	
Paul Liu Paul Liu	August 1, 2018

Assignee hereby accepts this Assignment

Name: John J. Cassingham

VP, Assistant General Counsel Bio-Rad Laboratories, Inc.

Dated: August 20 2018

Title: Electrophoresis Receptacles and Methods	
Application No. 15/758,445	Client Reference No.: BRP00820-LSG-LSD-10915- US
Filed: March 8, 2018	Attorney Docket No.: 094263-1075816-110410US
Title: Electrophoresis Receptacles and Methods	
International Patent Application No.:	Client Reference No.:
PCT/US2016/053047	BRP00820-LSG-LSD-10915-WO
Filed: September 22, 2016	Attorney Docket No.: 094263-1075816-110410PC

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature	Date of Signature
	8-1-2018
Clayton McKee	
Cory Panattoni	
Paul Liu	

Assignee hereby accepts this Assignment

Name: John J. Cassingham

VP, Assistant General Counsel Bio-Rad Laboratories, Inc.

Dated: August 20, 2018