PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2770226

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEANNE HARVEY	12/17/2009
SHARAT SINGH	12/16/2009
PHILLIP KIM	12/16/2009
XINJUN LIU	12/16/2009
ROBERT BARHAM	12/16/2009
LIMIN LIU	12/16/2009

RECEIVING PARTY DATA

Name:	PROMETHEUS LABORATORIES INC.
Street Address:	9410 CARROLL PARK DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121-5201

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14108236

CORRESPONDENCE DATA

Fax Number: (925)472-8895

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Email: sguevara@kilpatricktownsend.com

Correspondent Name: JOSEPH R. SNYDER

Address Line 1:KILPATRICK TOWNSEND & STOCKTON LLPAddress Line 2:2 EMBARCADERO CENTER, EIGHTH FLOORAddress Line 4:SAN FRANCISCO, CALIFORNIA 94111-3834

ATTORNEY DOCKET NUMBER:	88473-010021US-895903
NAME OF SUBMITTER:	SVETLANA GUEVARA
SIGNATURE:	/Svetlana Guevara/
DATE SIGNED:	03/14/2014

Total Attachments: 8

source=010021US Assignment_Inventors to Prometheus#page1.tif

502723622 REEL: 032447 FRAME: 0067

PATENT

source=010021US Assignment_Inventors to Prometheus#page2.tif
source=010021US Assignment_Inventors to Prometheus#page3.tif
source=010021US Assignment_Inventors to Prometheus#page4.tif
source=010021US Assignment_Inventors to Prometheus#page5.tif
source=010021US Assignment_Inventors to Prometheus#page6.tif
source=010021US Assignment_Inventors to Prometheus#page7.tif
source=010021US Assignment_Inventors to Prometheus#page8.tif

PATENT REEL: 032447 FRAME: 0068

Attorney Docket No.: 021825-010020U\$

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Jeanne Harvey of Livermore, CA; Sharat Singh of Rancho Santa Fe, CA; Phillip Kim of Irvine, CA 92612; Xinjun Liu of San Diego, CA 92130; Robert Barham of San Marcos, CA 92078; and Limin Liu of San Diego, CA 92130, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent;

Title of Invention:

ANTIBODY-BASED ARRAYS FOR DETECTING MULTIPLE SIGNAL TRANSDUCERS IN RARE

CIRCULATING CELLS

Date(s) of execution of Declaration: 03/31/08 and 04/01/08

Filing Date:

March 11, 2008

Application No.:

12/046,381; and

WHEREAS, Prometheus Laboratories Inc., a corporation of United States, located at 9410 Carroll Park Drive, San Diego, CA 92121-5201, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

12/18/2009 10:03AM PATENT

IN LESTINONT MUEKE	Or, Assignors have signed their names on the dates ind
Dated: Dw 14, 2009	Jeanne Harvey
SIGNATURE WITNESSED BY:	Jeanne Harvey
Dated:	
	Signature of Witness
	Printed Name
Dated:	
	Signature of Witness
	Printed Name
Dated:	
SIGNATURE WITNESSED BY:	Sharat Singh
Dated:	Signature of Witness
	. Printed Name
Dated:	Signature of Witness
	Printed Name

Page 2 of 4

12/18/2009 10:03AM PATENT

Dated:	
SIGNATURE WITNESSED BY:	Phillip Kim
Dated:	
	Signature of Witness
	Printed Name
Dated:	
	Signature of Witness
	Printed Name
Dated:	
SIGNATURE WITNESSED BY:	Xinjun Liu
Dated:	
	Signature of Witness
	Printed Name
Dated:	
	Signature of Witness
	Printed Name

Page 3 of 4

Dated:	
SIGNATURE WITNESSED BY:	Robert Barham
Dated:	
	Signature of Witness
	Printed Name
Dated:	
	Signature of Witness
	Printed Name
Dated: SIGNATURE WITNESSED BY:	Limin Liu
Dated:	Signature of Witness
	Printed Name
Dated:	Signature of Witness
	Printed Name

62361309 v1

Page 4 of 4

12/18/2009 10:03AM PATENT

Attorney Docket No.: 021825-010020US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Jeanne Harvey of Livermore, CA; Sharat Singh of Rancho Santa Fe, CA; Phillip Kim of Irvine, CA 92612; Xinjun Liu of San Diego, CA 92130; Robert Barham of San Marcos, CA 92078; and Limin Liu of San Diego, CA 92130, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

ANTIBODY-BASED ARRAYS FOR DETECTING MULTIPLE SIGNAL TRANSDUCERS IN RARE

CIRCULATING CELLS

Date(s) of execution of Declaration: 03/31/08 and 04/01/08

Filing Date:

March 11, 2008

Application No.:

12/046,381; and

WHEREAS, Prometheus Laboratories Inc., a corporation of United States, located at 9410 Carroll Park Drive, San Diego, CA 92121-5201, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

PATENT REEL: 032447 FRAME: 0073

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated. Dated: Jeanne Harvey SIGNATURE WITNESSED BY: Dated: Signature of Witness Printed Name Dated: Signature of Witness Printed Name Dated: 12-16-09 SIGNATURE WITNESSED BY: Dated: 12-16-09 Printed Name Dated: 12/16/09 Signature of Witness

Page 2 of 4

Printed Name

Dated: 12/16/09 SIGNATURE WITNESSED BY: Dated: 12-16-09 Dated: 12/16/09	Phillip Kim Signature of Witness VEULE FITZCERALD Printed Name Signature of Witness Tammi Kim Printed Name
Dated: 12/16/59 SIGNATURE WITNESSED BY: Dated: 12~16~09	Xinjun Liu Xinjun Liu Signature of Witness
Dated: <u> 2 4 0</u> 9	Printed Name MMMU KIM Signature of Witness Tammi Kim Printed Name

Page 4

Dated: 12/16/09	(Salan
	Robert Barham
SIGNATURE WITNESSED BY:	1

Dated: 12-76-09 Signature of Withess

Leuie Fitzgerard

Dated: 12/16/09

Printed Name

Dated:	12/16/09
	7

SIGNATURE WITNESSED BY:

Dated: 12-11-09

Dated: 12/14/09

Limin Liu

Signature of Witness

IE FITZGERALD Printed Name-

Printed Name

62361309 v1

Page 4 of 4

RECORDED: 03/14/2014