PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Elena Chemokalskaya	05/02/2012
Vivek Joshi	05/02/2012
Phillip Clark	05/02/2012
Christopher Utzat	05/02/2012
Ryan Amara	05/02/2012
Timothy Scott Rider	04/16/2012

RECEIVING PARTY DATA

Name:	EMD Millipore Corporation
Street Address:	290 Concord Road
City:	Billerica
State/Country:	MASSACHUSETTS
Postal Code:	01821

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13415400

CORRESPONDENCE DATA

Fax Number: (978)715-1382 Phone: 9787151265

Email: patents@millipore.com

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

via US Mail.

501980323

Correspondent Name: John Dana Hubbard Address Line 1: 290 Concord Road Address Line 2: **EMD Millipore Corporation**

Billerica, MASSACHUSETTS 01821

Address Line 4:

ATTORNEY DOCKET NUMBER: MCA-1172 US

PATENT

REEL: 028501 FRAME: 0622

NAME OF SUBMITTER:	Sapna Mehtani, Ph.D., J.D.
Total Attachments: 8	
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PATENT REEL: 028501 FRAME: 0623

PATENT ASSIGNMENT

WHEREAS, we, Elena Chernokalskaya, Vivek Joshi, Phillip Clark, Christopher Utzat, Ryan Amara and Timothy Scott Rider have made an invention which invention is claimed and described in an application for Letters Patent of the United States of America entitled "Devices and Methods for Infrared (IR) Based Quantitation of BioMolecules", filed in the U.S. Patent and Trademark Office, assigned U.S. Patent Application No.: 13/415,400 and accorded Filing Date of March 8, 2012; and

WHEREAS, EMD MILLIPORE CORPORATION, of 290 CONCORD ROAD, BILLERICA, MASSACHUSETTS

1821 a corporation organized and existing under the laws of the STATE OF MASSACHUSETTS

(hereinafter "EMD MILLIPORE") is desirous of acquiring the entire right, title and interest in and to the invention and in and to any Letters Patent that may be granted therefore:

Now, THEREPORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned parties by these presents do sell, assign and transfer unto EMD MILLIPORE, its successors and assigns the full, exclusive and worldwide right to the said invention including the United States of America, and the entire right, title and interest in, to and under any Letters Patent which may be granted on a patent application claiming the benefit of priority of said invention, or any parts thereof, or on any continuation, division or reissue thereof in the United States of America, in the territorial possessions of the United States of America and in any country foreign to the United States of America, the same to be held and enjoyed by EMD MILLIPORE, its successors and assigns as fully and entirely as the same would have been held by us, had this assignment not been made.

And we hereby authorize and request the Commissioner of Patent and Trademarks of the United States of America and respective Patent Office officials in any country foreign to the United States of America to issue said Letters Patent to EMD MILLIPORE as the assignee of our entire right, title and interest in, to and under the same, and we hereby further authorize EMD MILLIPORE to apply for Letters Patent in our name or in its own name, as it in its sole discretion sees fit, utilizing any benefits which may exist under any International Agreement, in any country foreign to the United States of America.

And we, do hereby agree for ourselves and for our heirs, executors and administrators to execute any lawful document and to testify as to any material fact or thing which EMD MILLIPORE, its successors and assigns may deem necessary in order to secure unto itself, its successors and assigns the full right, title and interest in and to and the full enjoyment of said invention or any part thereof and any Letters Patent, the same to be done without any further consideration.

IN WITNESS WHEREOF, I hereby set my hand	d and affix my seal this <u>(2)</u> day
of <u>// () (</u> 2012.	
Elena Chernokalskaya State of 1/2/3/1/4/4/3 County of 5/4/4 On this 2/4/4 day of 6/4/4 Out 6/4/3 public, personally appeared Elena Chernokalskay identification, which were (a) at least one current agency bearing the photographic image of the incindividual based on my personal knowledge of the name is signed on the preceding or attached documents.	document issued by a federal or state government fividual's face and signature; or (b) identification of an e identity of the principal, to be the person whose
	My commission expires <u>2/20/15</u>
IN WITNESS WHEREOF, I hereby set my hand	d and affix my seal this <u></u> day
of	
Vivek Joshi	
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which were (a) at least one current document issi the photographic image of the individual's face ar	2012, before me, the undersigned notary to me through satisfactory evidence of identification, used by a federal or state government agency bearing and signature; or (b) identification of an individual based wincipal, to be the person whose name is signed on noce.
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public, personally appeared, Phillip Clark, proved which were (a) at least one current document issue the photographic image of the individual's face ar	, 2012, before me, the undersigned notary to me through satisfactory evidence of identification, ued by a federal or state government agency bearing a signature; or (b) identification of an individual based rincipal, to be the person whose name is signed on noe.
	Andah. St. ani
	, Notary Public
	3 3
	My commission expires <u>2/22/15</u>
IN WITNESS WHEREOF, I hereby set my hand of May 2012. Christopher Utzat State of May 2014 County of E664	d and affix my seal this <u>2</u> day
On this 21 day of 124	, 2012, before me, the undersigned notary
On this day of how public, personally appeared Christopher Utzat, pridentification, which were (a) at least one current agency bearing the photographic image of the inc	oved to me through satisfactory evidence of document issued by a federal or state government lividual's face and signature; or (b) identification of an elidentity of the principal, to be the person whose
On this day of May of public, personally appeared Christopher Utzat, pridentification, which were (a) at least one current agency bearing the photographic image of the inclindividual based on my personal knowledge of the	oved to me through satisfactory evidence of document issued by a federal or state government dividual's face and signature; or (b) identification of an elidentity of the principal, to be the person whose ument in my presence.

IN WITNESS WHEREOF, I hereby set my hand and affix my seal this Aleday
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Ryan Amara
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County of <u>F/5/X</u>
On this Aday of
as A continue as but as a start a second as but as a second as but as a second
IN WITNESS WHEREOF, I hereby set my hand and affix my seal this day
of, 2012
Inventor Signature:
Inventor Name: Timothy Scott Rider
Witness:
Witness Signature:
Witness Name:
Date:

PATENT ASSIGNMENT

WHEREAS, we, Elena Chernokalskaya, Vivek Joshi, Phillip Clark, Christopher Utzat, Ryan Amara and Timothy Scott Rider have made an invention which invention is claimed and described in an application for Letters Patent of the United States of America entitled "Devices and Methods for Infrared (IR) Based Quantitation of BioMolecules", filed in the U.S. Patent and Trademark Office, assigned U.S. Patent Application No.: 13/415,400 and accorded Filing Date of March 8, 2012; and

WHEREAS, EMD MILLIPORE CORPORATION, of 290 CONCORD ROAD, BILLERICA, MASSACHUSETTS

01821 a corporation organized and existing under the laws of the STATE OF MASSACHUSETTS

(hereinafter "EMD MILLIPORE") is desirous of acquiring the entire right, title and interest in and to the invention and in and to any Letters Patent that may be granted therefore;

Now, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned parties by these presents do sell, assign and transfer unto EMD MILLIPORE, its successors and assigns the full, exclusive and worldwide right to the said invention including the United States of America, and the entire right, title and interest in, to and under any Letters Patent which may be granted on a patent application claiming the benefit of priority of said invention, or any parts thereof, or on any continuation, division or reissue thereof in the United States of America, in the territorial possessions of the United States of America and in any country foreign to the United States of America, the same to be held and enjoyed by EMD MILLIPORE, its successors and assigns as fully and entirely as the same would have been held by us, had this assignment not been made.

And we hereby authorize and request the Commissioner of Palent and Trademarks of the United States of America and respective Patent Office officials in any country foreign to the United States of America to issue said Letters Patent to **EMD MILLIPORE** as the assignee of our entire right, title and interest in, to and under the same, and we hereby further authorize **EMD MILLIPORE** to apply for Letters Patent in our name or in its own name, as it in its sole discretion sees fit, utilizing any benefits which may exist under any International Agreement, in any country foreign to the United States of America.

And we, do hereby agree for ourselves and for our heirs, executors and administrators to execute any lawful document and to testify as to any material fact or thing which **EMD MILLIPORE**, its successors and assigns may deem necessary in order to secure unto itself, its successors and assigns the full right, title and interest in and to and the full enjoyment of said invention or any part thereof and any Letters Patent, the same to be done without any further consideration.

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		, Notary Public
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Vivek Joshi		
State of)) ss	
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	, Notary Public
	My commission expires
In Witness WHEREOF, I hereby set my hand and of Africa 20 Inventor Signature:	12
Inventor Name: Timothy Scott Ride	r -
Witness:	
Witness Signature:	
Witness Name: Bruce J. Cor	<u> Zec</u>
Date: 4/16/2012	