505327812 02/13/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SONGHUA LIU	01/16/2019
MICHAEL LYNCH	01/16/2019
RYAN SYLVIA	01/16/2019
JOSEPH ALMASIAN	01/16/2019
SALVATORE GIGLIA	01/16/2019
LUC MESSIER	01/16/2019

RECEIVING PARTY DATA

Name:	EMD MILLIPORE CORPORATION	
Street Address:	400 SUMMIT DRIVE	
City:	BURLINGTON	
State/Country:	MASSACHUSETTS	
Postal Code:	01803	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16315069

CORRESPONDENCE DATA

Fax Number:

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.

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Email: milliporesigma.patents@emdmillipore.com

Correspondent Name: EMD MILLIPORE CORPORATION

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Address Line 4: BURLINGTON, MASSACHUSETTS 01803

ATTORNEY DOCKET NUMBER:	P 16/168 US
NAME OF SUBMITTER:	ERIC MARTINEAU
SIGNATURE:	/Eric Martineau/
DATE SIGNED:	02/13/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 505327812 REEL: 048322 FRAME: 0830

Total Attachments: 4 source=P16_168US_ASG#page1.tif source=P16_168US_ASG#page2.tif

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> PATENT REEL: 048322 FRAME: 0831

PATENT ASSIGNMENT

WHEREAS WE, Songhua Liu, Michael Lynch, Ryan Sylvia, Joseph Almasian, Salvatore Giglia, and Luc Messier, have made an invention, which invention is described in an application for Letters Patent titled "FIXED RIGID WALL DEVICE FOR COMPRESSED PLEAT CONFIGURATION FILTERS" filed in the US Patent and Trademark Office, assigned Patent Application No.: 16/315,069 and accorded Filing Date of January 3, 2019, and,

WHEREAS, EMD MILLIPORE CORPORATION, of 400 SUMMIT DRIVE, BURLINGTON,
MASSACHUSETTS 01803, a corporation organized and existing under the laws of the STATE of
MASSACHUSETTS (hereinafter "EMD MILLIPORE") is desirous of acquiring, and entitled by our
employment contracts, to acquire the entire right, title and interest in and to the invention and in and
to the application and any Letters Patent that may be granted therefor;

Now, Therefore, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned parties do hereby sell, assign and transfer unto EMD Millipore, its lawful successors and assigns the full, exclusive and worldwide right to the invention and the entire right, title and interest in, to and under the application and any and all Letters Patent(s) that may be granted on the application, any and all applications and Letters Patent claiming priority to the application, including any and all divisions or continuations thereof, any and all renewals, reissues, reexaminations and extensions 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 lawful 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.

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 lawful successors, assigns and legal representatives may deem necessary in order to secure unto itself, its lawful successors and assigns the full right, title and interest in and to, and the full enjoyment of, the invention or any part thereof, the applications and any and all Letters Patent, the same to be done without any further consideration.

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IN WITNESS WHEREOF, I hereby set my hand and affix my seal this // day
of <u>January</u> , 2019.
Jane I I re
Songhua Liu
State of Massichusett
County of Middles) ss
2010 hofers me the undersigned notary
On this /b day of /away , 2019, before me, the undersigned notary public, personally appeared Songhua Liu , proved to me through satisfactory evidence of
identification, which were (a) at least one current document issued by a federal or state government
agency bearing the photographic image of the individual's face and signature; or (b) identification of an individual based on my personal knowledge of the identity of the principal, to be the person
whose name is signed on the preceding or attached document in my presence.
- Chart
ANNETTE M. MARCHANT , Notary Public
Notary Public, Commonwealth of Massachusells commission expires X/A/ 22, 20/9
My Commission Expires on November 28. 2019
yh.
IN WITNESS WHEREOF, I hereby set my hand and affix my seal this // day
of <u>January</u> , 2019.
Michael Fresh
Michael Lynch
State of MCSC (Live 1115)
County of Middle () ss
On this Haday of January , 2019, before me, the undersigned notary
public, personally appeared Michael Lynch, proved to me through satisfactory evidence of
identification, which were (a) at least one current document issued by a federal or state government
agency bearing the photographic image of the individual's face and signature; or (b) identification of an individual based on my personal knowledge of the identity of the principal, to be the person
whose name is signed on the preceding or attached document in my presence.
Chat. Willandert
Notary Public
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My commission expires on November 28, 2019
COLOR TO THE TOTAL TO SELECT THE TOTAL TO THE TOTAL TO
My commission expires on November 28, 2019

My Commission Expires on November 28, 2019

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In WITNESS WHEREOF, I hereby set my	hand and affix my seal this lot day
- Thursday	
or <u>January</u> , 2019.	
	www.
Ryan Sylvia	
State of MISSachurth	
County of Middlesex ss	
On this 164 day of Januar	, 2019, before me, the undersigned notary
public, personally appeared Ryan Sylvi	a, proved to me through satisfactory evidence of
identification, which were (a) at least one cu	rrent document issued by a federal or state government
agency bearing the photographic image of	the individual's face and signature; or (b) identification
whose name is signed on the preceding or a	viedge of the identity of the principal, to be the person
whose frame is signed on the preceding of a	accorded document in my presence.
	a the MAMMarchaet
and the second s	THE POLITICAL PROPERTY OF THE
ANNETTE M. MARCHANT	Notary Public Notary Public
Notary Public, Commonwealth of Massachuset	My commission expires Marian 38, 2019
My Commission Expires on November 28, 201	9
	and .
	1 /
In WITNESS WHEREOF, I hereby set my	and and affect and addition 1/2 His
A VIINESS WHEREOF, I Hereby set my	iand and amx my seal this 100 day
of <u>JANIAUM</u> , 2019.	
A I A A C	
Hard Mile	
Joseph Almasian	
Marcal 15	
State of Masa (May 15)	
Al Allo Soil) ss	
County of Willel Sex	
ille I	4 1
On this let day of Januar	
public, personally appeared Joseph Alma	sian, proved to me through satisfactory evidence of
identification, which were (a) at least one cu	rrent document issued by a federal or state government
agency bearing the photographic image of I	he individual's face and signature; or (b) identification
of an individual based on my personal know	ledge of the identity of the principal, to be the person
whose name is signed on the preceding or a	ttached document in my presence.
	(A) the // And Jan. It
	- xume our puroues
ANNETTE M. MARCHANT	, Notary Public
Notary Public, Commonwealth of Massachuse	ts My commission expires Millimiter 28, 2019
My Commission Expires on Mayember 28 20:	

$u_{n} = u_{n} + u_{n$
IN WITNESS WHEREOF, I hereby set my hand and affix my seal this 16 day
of January , 2019.
Salvatore Giglia
State of MUSSichuse (15)
County of Middle () ss
County on television of the country
On this 16 day of 10 Muan, 2019, before me, the undersigned notary
public, personally appeared Salvatore Giglia, proved to me through satisfactory evidence of
identification, which were (a) at least one current document issued by a federal or state government
agency bearing the photographic image of the individual's face and signature; or (b) identification of an individual based on my personal knowledge of the identity of the principal, to be the person
whose name is signed on the preceding or attached document in my presence.
Chitten In aliant
The many across
ANNETTE M. MARCHANT , Notary Public Lance
Notary Public, Commonwealth of Massachusetts My commission expires
My Commission Expires on November 28, 2019
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(1/_
IN WITNESS WHEREOF, I hereby set my hand and affix my seal this 16 day
of Tanuau , 2019.
or <u>JCA D/C/2000</u> , 2019.
Luc Messier
Mascank TR
State of VVOSCOLARIST
and Moderate () ss
County of William)
On this 16 day of January, 2019, before me, the undersigned notary
On this 10° day of 10° (10° (10°), 2019, before me, the undersigned notary public, personally appeared Luc Messier , proved to me through satisfactory evidence of
identification, which were (a) at least one current document issued by a federal or state government
agency bearing the photographic image of the individual's face and signature; or (b) identification
of an individual based on my personal knowledge of the identity of the principal, to be the person whose name is signed on the preceding or attached document in/my presence.
whose hame is signed on the preceding of attached document myring presence.
Aller M Maclilla
Notary Public 2
ANNETTE M. MARCHANT My commission expires Moderal Joly
Notary Public, Commonwealth of Massachusetts
My Commission Expires on November 28, 2019