

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3000845

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LIXIANG XIAO	08/05/2014
HASSAN AIT-HADDOU	08/15/2014
FRANK ONYEMAUWA	08/05/2014
LAUREN A. SPIELMAN	08/05/2014
SHANT M. HAMBARSOOMIAN	08/05/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PALL CORPORATION
<b>Street Address:</b>	25 HARBOR DRIVE
<b>City:</b>	PORT WASHINGTON
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	11050-4630
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14320481
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)616-5700
<i>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.</i>	
<b>Phone:</b>	312-616-5600
<b>Email:</b>	assignments@leydig.com
<b>Correspondent Name:</b>	LEYDIG, VOIT & MAYER, LTD.
<b>Address Line 1:</b>	TWO PRUDENTIAL PLAZA, STE. 4900
<b>Address Line 2:</b>	180 N. STETSON
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60601-6731
<b>ATTORNEY DOCKET NUMBER:</b>	718117
<b>NAME OF SUBMITTER:</b>	XAVIER PILLAI, PH.D.
<b>SIGNATURE:</b>	/Xavier Pillai, Ph.D./
<b>DATE SIGNED:</b>	08/28/2014
<b>Total Attachments: 5</b>	
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source=14-320481[Leydig718117]Assignment#page4.tif  
source=14-320481[Leydig718117]Assignment#page5.tif

ASSIGNMENT

WHEREAS, I/WE

- (1) Lixiang XIAO, of 30 Luyster Street, Huntington Station, NY 11746,
- (2) Hassan AIT-HADDOU, of 117 Drexel Avenue, Melville, NY 11747,
- (3) Frank ONYEMAUWA, of 4661 Carmel Cir, Pace, FL 32571,
- (4) Lauren A. SPIELMAN, of 522 Shore Road, Apt. 3-0, Long Beach, NY 11561, and
- (5) Shant M. HAMBARSOOMIAN, of 16 Thorman Lane, North Babylon, NY 11703,

hereinafter referred to as Assignor, have invented a certain invention entitled:

CROSSLINKED CELLULOSIC MEMBRANES

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on June 30, 2014, under U.S. Application No. 14/320,481, and

WHEREAS, Pall Corporation, of 25 Harbor Park Drive, Port Washington, NY 11050-4630, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to Assignee and Assignee's legal representatives, successors, and assigns the entire right, title, and interest in, to, and under the invention, the referenced patent application, other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, the patents that may issue thereon, and the patents as may be modified as the result of applicable procedures (e.g., supplemental examinations, ex parte reexaminations, inter partes reexaminations, inter partes reviews, post-grant reviews, and oppositions),

Assignor conveys to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits,

Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Assignor authorizes Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below,

Date 8/5/2014 Lixiang XIAO  
Lixiang XIAO

STATE OF New York  
COUNTY OF Nassau

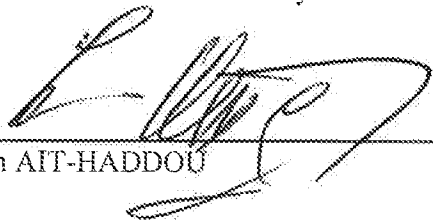
On this 5th day of August, 2014, before me, a Notary Public in and for said county, appeared Lixiang XIAO, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Mary Harkins  
Notary Public

{SEAL}



MARY HARKINS  
Notary Public, State of New York  
01HA8081288  
Qualified in Nassau County  
My Commission Expires September 27, 2017

My Commission Expires: Sept. 27, 2017

Date August 15, 2014
  
 Hassan AIT-HADDOU
STATE OF New York  
COUNTY OF NASSAU

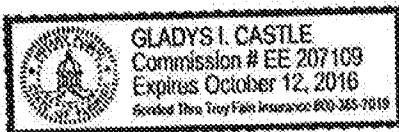
On this 15<sup>th</sup> day of August, 2014, before me, a Notary Public in and for said county, appeared Hassan AIT-HADDOU, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

MARY HARKINS  
Notary Public, State of New York  
01HA6031298  
{SEAL} Qualified in Nassau County  
My Commission Expires September 27, 20 17

  
 Notary Public
My Commission Expires: Sept. 27, 2017Date August 5, 2014
  
 Frank ONYEMAUWA
STATE OF Florida  
COUNTY OF Escambia

On this 5 day of August, 2014, before me, a Notary Public in and for said county, appeared Frank ONYEMAUWA, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

{SEAL}

  
 Notary Public
My Commission Expires: 10/12/2016

Date August 5, 2014 Lauren Spielman  
Lauren A. SPIELMAN

STATE OF New York  
COUNTY OF NASSAU

On this 5<sup>th</sup> day of August, 2014, before me, a Notary Public in and for said county, appeared Lauren A. SPIELMAN, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

{SEAL} MARY HARKINS  
Notary Public, State of New York  
01HA6031298  
Qualified in Nassau County  
My Commission Expires September 27, 2017

Cheryl Harkins  
Notary Public  
My Commission Expires: Sept. 27, 2017

Date 8/5/14 Shant M. Hambarsoomian  
Shant M. HAMBARSOOMIAN


STATE OF New York  
COUNTY OF NASSAU

On this 5<sup>th</sup> day of August, 2014, before me, a Notary Public in and for said county, appeared Shant M. HAMBARSOOMIAN, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

{SEAL} MARY HARKINS  
Notary Public, State of New York  
01HA6031298  
Qualified in Nassau County  
My Commission Expires September 27, 2017

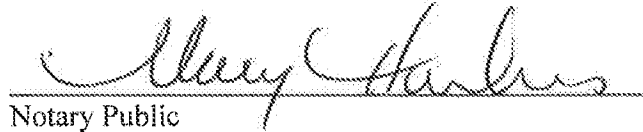
Cheryl Harkins  
Notary Public  
My Commission Expires: Sept. 27, 2017

Date 22-Aug-2014

  
Name: Michael J. Forzano  
Title: Senior Intellectual Property Counsel  
Officer or Authorized Representative of Assignee

STATE OF New York )  
COUNTY OF Nassau )

On this 22<sup>nd</sup> day of August, 2014, before me, a Notary Public in and for said county, appeared Michael J. Forzano, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/~~she~~ signed and delivered the document as his/~~her~~ free and voluntary act for the uses and purposes therein set forth.

  
Notary Public

{SEAL} MARY HARKINS  
Notary Public, State of New York  
01HA0031298  
Qualified in Nassau County  
My Commission Expires September 27, 2017

My Commission Expires: Sept. 27, 2014