#### 11/14/2014 503061836

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ANUPAMA MALLIKARJUNAN	09/03/2014
ANDREW DAVID JOHNSON	09/09/2014
MEILIANG WANG	09/10/2014
RAYMOND NICHOLAS VRTIS	09/02/2014
BING HAN	09/05/2014
XINJIAN LEI	09/04/2014
MARK LEONARD O'NEILL	09/03/2014

#### **RECEIVING PARTY DATA**

Name:	Air Products and Chemicals, Inc.
Street Address:	7201 Hamilton Blvd.
Internal Address:	Patent Dept.
City:	Allentown
State/Country:	PENNSYLVANIA
Postal Code:	18195-1501

#### **PROPERTY NUMBERS Total: 2**

Property Type	Number
Application Number:	14383690
PCT Number:	US1329900

### **CORRESPONDENCE DATA**

Fax Number: (610)481-7083

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: 610-481-8761

Email: patentm@airproducts.com

**Correspondent Name: ROBIN M. WESTON** Address Line 1: 7201 HAMILTON BLVD.

Address Line 2: PATENT DEPT.

Address Line 4: ALLENTOWN, PENNSYLVANIA 18195-1501

NAME OF SUBMITTER:	ROSALEEN P. MORRIS-OSKANIAN
SIGNATURE:	/Rosaleen P. Morris-Oskanian/

PAIENI

REEL: 034173 FRAME: 0196 503061836

DATE SIGNED:	11/14/2014	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6	•	
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PATENT REEL: 034173 FRAME: 0197

Docket No. 07592ZP USA
PCT Application No. PCT/US13/29900
US Serial No. 14/383690

## **ASSIGNMENT & DECLARATION**

For value received, we,

- (1) ANUPAMA MALLIKARJUNAN whose address is 1640 WINDEMERE DRIVE SAN MARCOS, CA 92078
- (2) ANDREW DAVID JOHNSON whose address is 110 SOUTH FRANKLIN STREET DOYLESTOWN, PA 18901
- (3) MEILIANG WANG
  whose address is
  ROOM 1001, BUILDING 97, LANE 58
  YIN ZUN ROAD, PUDONG NEW
  DISTRICT
  SHANGHAI 201210
  CHINA, PR
- (4) RAYMOND NICHOLAS VRTIS whose address is 1510 RANDI LANE OREFIELD, PA 18069
- (5) BING HAN
  whose address is
  UNIT 12A, TOWER 4
  GUANGCAI INTERNATIONAL
  MANSION
  GONG TI XI LU, CHAOYANG DISTRICT
  BEIJING, CHINA 100020
- (6) XINJIAN LEI whose address is 1928 CHERRYWOOD VISTA, CA 92081

(7) MARK LEONARD O'NEILL whose address is 4723 E. IRONHORSE RD. GILBERT, AZ 85297

hereby sell, assign, and transfer to **AIR PRODUCTS AND CHEMICALS, INC.**, a corporation of the State of Delaware, having an office at 7201 Hamilton Boulevard, Allentown, PA 18195-1501, the entire right, title, and interest in and to the invention relating to:

# "Compositions and Methods for Making Silicon Containing Films"

described in our application for Letters Patent of the United States (identified by Docket No. 07592ZP USA) executed of even date herewith, in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters Patent upon said invention or improvements which may be granted in foreign countries. We hereby also assign and convey to said **AIR PRODUCTS AND CHEMICALS**, **INC.**, all the rights accruing to us by virtue of the International Convention for the Protection of Industrial Property (Art. 4), including the right to apply for and to have patents issued in its own name.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters

PATENT REEL: 034173 FRAME: 0198

And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **AIR PRODUCTS AND CHEMICALS**, **INC.**, its successors and assigns, the rights conveyed as herein set forth.

And we hereby declare that the above-identified application was made or authorized to be made by me/us. I/we believe I/we am/are the original inventor(s) or an original joint inventor of a claimed invention in the application. I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(a) Signature	anum -	09/03/14
(b) Name	ANUPAMA MALLIKARJUNAN	Date
(a) Signature		
(b) Name	ANDREW DAVID JOHNSON	Date
(a) Signature		
(b) Name	MEILIANG WANG	Date
(a) Signature		
(b) Name	RAYMOND NICHOLAS VRTIS	Date
(a) Signature		
(b) Name	BING HAN	Date
(a) Signature	Kinjian Lei	Sept 4, 2014
(b) Name	MNJIAN LEI	Date /
(a) Signature		
(b) Name	MARK LEONARD O'NEILL	Date

PATENT

**REEL: 034173 FRAME: 0199** 

And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **AIR PRODUCTS AND CHEMICALS**, **INC.**, its successors and assigns, the rights conveyed as herein set forth.

And we hereby declare that the above-identified application was made or authorized to be made by me/us. I/we believe I/we am/are the original inventor(s) or an original joint inventor of a claimed invention in the application. I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(a) Signature		
(b) Name	ANUPAMA MALLIKARJUNAN	Date
(a) Signature (b) Name	Andrew David Johnson	09 September 2011 Date
(a) Signature		
(b) Name	MEILIANG WANG	Date
(a) Signature (b) Name	RAYMOND NICHOLAS VRTIS	02 September 2014 Date
(a) Signature (b) Name	BING HAN	Date
(a) Signature (b) Name	XINJIAN LEI	Date
(a) Signature (b) Name	MARK LEONARD O'NEILL	Date

PATENT

REEL: 034173 FRAME: 0200

And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **AIR PRODUCTS AND CHEMICALS, INC.**, its successors and assigns, the rights conveyed as herein set forth.

And we hereby declare that the above-identified application was made or authorized to be made by me/us. I/we believe I/we am/are the original inventor(s) or an original joint inventor of a claimed invention in the application. I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(a) Signature		
(b) Name	ANUPAMA MALLIKARJUNAN	Date
(a) Signature		
(b) Name	ANDREW DAVID JOHNSON	Date
(a) Signature		
(b) Name	MEILIANG WANG	Date
(a) Signature		
(b) Name	RAYMOND NICHOLAS VRTIS	Date
(a) Signature		
(b) Name	BING HAN	Date
(a) Signature		
(b) Name	, XINJIAN LEI	Date
(a) Signature	Made level Oliny	Sept 3, 2014
(b) Name	MARK LEONARD O'NEILL	Dáte

And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **AIR PRODUCTS AND CHEMICALS**, **INC.**, its successors and assigns, the rights conveyed as herein set forth.

And we hereby declare that the above-identified application was made or authorized to be made by me/us. I/we believe I/we am/are the original inventor(s) or an original joint inventor of a claimed invention in the application. I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(a) Signature (b) Name	ANUPAMA MALLIKARJUNAN	
(b) Ivalije	ANOFAIVIA IVIALLIKARJONAN	Date
(a) Signature		
(b) Name	ANDREW DAVID JOHNSON	Date
(a) Signature (b) Name	Meiliang Wang	Soptember 10th, 2014 Date
(a) Signature		
(b) Name	RAYMOND NICHOLAS VRTIS	Date
(a) Signature		
(b) Name	BING HAN	Date
(a) Signature		
(b) Name	XINJIAN LEI	Date
(a) Signature		
(b) Name	MARK LEONARD O'NEILL	Date

PATENT REEL: 034173 FRAME: 0202

And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **AIR PRODUCTS AND CHEMICALS**, **INC.**, its successors and assigns, the rights conveyed as herein set forth.

And we hereby declare that the above-identified application was made or authorized to be made by me/us. I/we believe I/we am/are the original inventor(s) or an original joint inventor of a claimed invention in the application. I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(a) Signature		
(b) Name	ANUPAMA MALLIKARJUNAN	Date
(a) Signature		
(b) Name	ANDREW DAVID JOHNSON	Date
(a) Signature		
(b) Name	MEILIANG WANG	Date
(a) Signature		
(b) Name	RAYMOND NICHOLAS VRTIS	Date
(a) Signature	h.h.	2014/09/05
(b) Name	BING HAN	Date
(a) Signature		
(b) Name	XINJIAN LEI	Date
(a) Signature		
(b) Name	MARK LEONARD O'NEILL	Date

PATENT REEL: 034173 FRAME: 0203

RECORDED: 11/14/2014