

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4418290

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHARLES MICHAEL BIRTCHE	12/14/2015
GILDARDO VIVANCO	12/16/2015
WILLIAM JON SHEEHY	12/14/2015
RECEIVING PARTY DATA	
Name:	AIR PRODUCTS AND CHEMICALS, INC.
Street Address:	7201 HAMILTON BOULEVARD
City:	ALLENTOWN
State/Country:	PENNSYLVANIA
Postal Code:	18195
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15526867
CORRESPONDENCE DATA	
Fax Number:	(610)680-3312
<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>	
Phone:	610-395-4900
Email:	assignments@designip.com
Correspondent Name:	DAMON A. NEAGLE
Address Line 1:	5050 W. TILGHMAN STREET, SUITE 435
Address Line 4:	ALLENTOWN, PENNSYLVANIA 18104
ATTORNEY DOCKET NUMBER:	07828ZP USA
NAME OF SUBMITTER:	DAMON A. NEAGLE
SIGNATURE:	/Damon A. Neagle/
DATE SIGNED:	05/17/2017
Total Attachments: 4	
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ASSIGNMENT AND AGREEMENT

ASSIGNOR(S): Charles Michael Birtcher of Valley Center, California, US
Gildardo Vivanco of San Diego, California, US
William Jon Sheehy of Valley Center, California, US

ASSIGNEE: Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, Pennsylvania 18195-1501
US

PCT INTERNATIONAL APPLICATION:

Title: IMPROVED VALVE BLOCK HAVING MINIMAL DEADLEG

Serial Number: PCT/US15/60656

International Filing Date: November 13, 2015

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) have sold, assigned and transferred, and do hereby sell, assign and transfer unto ASSIGNEE and its successors, assigns, and legal representatives, the entire right, title and interest for all of our inventions and discoveries described in the PCT INTERNATIONAL APPLICATION identified above and all other patent applications in all countries and regions that are national phases of, or claiming priority from, the PCT INTERNATIONAL APPLICATION, all continuations and divisions of all of said patent applications, all patents that are granted on any of said patent applications, all registrations and confirmations of, and importation certificates based on, one or more of said patents and all reissues, renewals and extensions of said patents, reexamination certificates issued for said patents and supplementary protection certificates based on said patents, including the right to file patent applications on said inventions and discoveries in the name of ASSIGNEE, their successors, assigns and legal representatives, to the full ends of the terms for which all patents therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

ASSIGNOR(S) hereby authorize ASSIGNEE or ASSIGNEE'S representative to insert the application serial number and the filing date on this assignment if either is unknown at the time of execution of this assignment.

ASSIGNOR(S) agree that, when requested, they will, without charge to ASSIGNEE, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in ASSIGNEE, its successors, assigns and legal representatives or nominees.

ASSIGNOR(S) covenant with ASSIGNEE, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Charles Michael Birtcher
CHARLES MICHAEL BIRTCHER

DATE: 12/14/2015

STATE OF Pennsylvania
COUNTY OF Lehigh)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that CHARLES MICHAEL BIRTCHER, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 14th day of December, 2015.


[Seal]

Virginia K. Reda
Notary Public Signature

Printed Name of Notary Public

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL
VIRGINIA K. REDA, Notary public
City of Allentown, Lehigh County
My Commission Expires Nov. 26, 2018


GILDARDO VIVANCO

DATE: 12/16/2015

STATE OF Pennsylvania
COUNTY OF Lehigh)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that GILDARDO VIVANCO, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 16th day of December, 2015.

My commission expires:

[Seal]

Virginia K. Reda
Notary Public Signature

Printed Name of Notary Public

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL
VIRGINIA K. REDA, Notary public
City of Allentown, Lehigh County
My Commission Expires Nov. 26, 2018

William Jon Sheehy
WILLIAM JON SHEEHY
STATE OF Pennsylvania
COUNTY OF Lehigh)ss

DATE: 12/14/2015

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that WILLIAM JON SHEEHY, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 14th day of December, 2015.

My commission expires:

[Seal]

Virginia K. Reda
Notary Public Signature

Printed Name of Notary Public

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL
VIRGINIA K. REDA, Notary public
City of Allentown, Lehigh County
My Commission Expires Nov. 26, 2018