

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DEAN W. KRATZER	07/05/2017
MADHAVA R. KOSURI	07/05/2017
CANGHAI MA	07/07/2017
RECEIVING PARTY DATA	
Name:	AMERICAN AIR LIQUIDE, INC.
Street Address:	46409 LANDING PARKWAY
City:	FREMONT
State/Country:	CALIFORNIA
Postal Code:	94538
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14827064
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ATTORNEY DOCKET NUMBER:	SERIE 10086 NP
NAME OF SUBMITTER:	CHRISTOPHER J. CRONIN
SIGNATURE:	/Christopher J. Cronin/
DATE SIGNED:	07/11/2017
Total Attachments: 2	
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source=S10086_US_NP1_2017-07-11_ASSIGNMENT_Inventors_to_AAL_as_recorded_CJC#page2.tif	

Assignment of Invention

WHEREAS WE, **Dean W. KRATZER**, **Madhava R. KOSURI**, and **Canghai MA**, have invented certain new and useful improvements documented in a patent application entitled, **COMPOSITE CARBON MOLECULAR SIEVE MEMBRANES HAVING ANTI-SUBSTRUCTURE COLLAPSE PARTICLES LOADED IN A CORE THEREOF**, for which a United States patent application was filed on August 14, 2015, having Application No. 14/827,064;

WHEREAS, **American Air Liquide, Inc.** (hereinafter referred to as "ASSIGNEE") having a place of business at 46409 Landing Parkway, Fremont, CA. 94538, U.S.A., desires to acquire from **Dean W. KRATZER**, **Madhava R. KOSURI**, and **Canghai MA**, the entire right, title and interest WE have in and to said invention and in and to any Letters Patent that may be granted thereof in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, WE, by these presents do sell, assign and transfer unto said ASSIGNEE, effective as of the first priority date, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries, including the right to claim priority of the above-mentioned patent application(s) in patent applications filed in or for any such foreign country, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all subsequent provisionals, non-provisionals, divisions, reissues, continuations, continuations-in-part, reexaminations, substitutions and renewals thereof.

WE hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, WE agree that WE will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all non-provisional, divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grants authorized representatives of the above identified ASSIGNEE the power to insert on this assignment any further identification, **INCLUDING ANY SUBSEQUENT DATE OF APPLICATION FILING AND THE APPLICATION SERIAL NUMBER**, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: July 5, 2017


 Dean W. KRATZER (Inventor)

Date: July 5, 2017


 Madhava R. KOSURI (Inventor)

Date: _____

 Canghai MA (Inventor)

Assignment of Invention

WHEREAS WE, **Dean W. KRATZER**, **Madhava R. KOSURI**, and **Canghai MA**, have invented certain new and useful improvements documented in a patent application entitled, COMPOSITE CARBON MOLECULAR SIEVE MEMBRANES HAVING ANTI-SUBSTRUCTURE COLLAPSE PARTICLES LOADED IN A CORE THEREOF, for which a United States patent application was filed on August 14, 2015, having Application No. 14/827,064;

WHEREAS, **American Air Liquide, Inc.** (hereinafter referred to as "ASSIGNEE") having a place of business at 46409 Landing Parkway, Fremont, CA. 94538, U.S.A., desires to acquire from **Dean W. KRATZER**, **Madhava R. KOSURI**, and **Canghai MA**, the entire right, title and interest WE have in and to said invention and in and to any Letters Patent that may be granted thereof in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, WE, by these presents do sell, assign and transfer unto said ASSIGNEE, effective as of the first priority date, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries, including the right to claim priority of the above-mentioned patent application(s) in patent applications filed in or for any such foreign country, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all subsequent provisionals, non-provisionals, divisions, reissues, continuations, continuations-in-part, reexaminations, substitutions and renewals thereof.

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Date: _____

Dean W. KRATZER (Inventor)

Date: _____

Madhava R. KOSURI (Inventor)Date: 7/7/17_____
Canghai MA (Inventor)