

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4720135

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAMESH R. BHAVE	12/05/2017
NICHOLAS N. LINNEEN	12/05/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UT-Battelle, LLC
<b>Street Address:</b>	One Bethel Valley Road
<b>Internal Address:</b>	4500N, MS-6258
<b>City:</b>	Oak Ridge
<b>State/Country:</b>	TENNESSEE
<b>Postal Code:</b>	37831-6258
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15814515
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(865)574-0381
<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>	(865) 574-0393
<b>Email:</b>	warfielde@ornl.gov
<b>Correspondent Name:</b>	EDNA I. GERGEL
<b>Address Line 1:</b>	ONE BETHEL VALLEY ROAD
<b>Address Line 2:</b>	4500N, MS-6258
<b>Address Line 4:</b>	OAK RIDGE, TENNESSEE 37831-6258
<b>ATTORNEY DOCKET NUMBER:</b>	3092.1 UTB
<b>NAME OF SUBMITTER:</b>	ELIZABETH WARFIELD
<b>SIGNATURE:</b>	/Elizabeth Warfield/
<b>DATE SIGNED:</b>	12/06/2017
<b>Total Attachments: 2</b>	
source=3092.1 UTB Assignment#page1.tif	
source=3092.1 UTB Assignment#page2.tif	

## ASSIGNMENT

WHEREAS, we the below-named inventors whose residences are as stated below, have an interest in an invention entitled:

### **Carbon Molecular Sieve Membrane for Gas Separations**

(hereinafter referred to as "Subject Invention") for which are described in United States Patent Application No. 15/814,515 filed on November 16, 2017 and

WHEREAS, UT-BATTELLE, LLC, a limited liability company of the State of Tennessee, having an office at One Bethel Valley Road, P. O. Box 2008, Oak Ridge, Tennessee 37831-6258, hereinafter referred to as "ASSIGNEE," is desirous of acquiring our entire right, title and interest of the undersigned in the same;

NOW, THEREFORE, in accordance with the terms of our employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to ASSIGNEE and its successors in interest our entire right, title and interest in the Subject Invention to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the Subject Invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or patent applications therefor on the Subject Invention.

We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, we hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said Subject Invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Invention in the United States of America and in any and all foreign countries.

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on us, our heirs, legal representatives, and assigns.

Name of Inventor: **Ramesh R. Bhawe**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

12/05/2017

Residence: \_\_\_\_\_

11644 Lanesborough Way, Apt. 1307, Knoxville, Tennessee 37934

Name of Inventor: **Nicholas N. Linneen**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

12/05/2017

Residence: \_\_\_\_\_

8408 Carl Valentine Circle, Knoxville, Tennessee 37931