

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4001761

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JASON E. BARA	02/13/2012
TREVOR K. CARLISLE	03/12/2012
EVAN S. HATAKEYAMA	03/14/2012
DOUGLAS L. GIN	02/22/2012
RICHARD D. NOBLE	02/16/2012
ROBERT L. KERR	03/16/2012
ANDREW L. LAFRATE	03/12/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE
<b>Street Address:</b>	1800 GRANT STREET
<b>Internal Address:</b>	8TH FLOOR
<b>City:</b>	DENVER
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80203
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14590690
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)972-1936
<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>	215-972-1089
<b>Email:</b>	patents@saul.com
<b>Correspondent Name:</b>	DOMINGOS J. SILVA
<b>Address Line 1:</b>	SAUL EWING LLP
<b>Address Line 2:</b>	1500 MARKET STREET, 38TH FLOOR
<b>Address Line 4:</b>	PHILADLEPHIA, PENNSYLVANIA 19102
<b>ATTORNEY DOCKET NUMBER:</b>	205948-0021US2 (00054)
<b>NAME OF SUBMITTER:</b>	DOMINGOS J. SILVA

<b>SIGNATURE:</b>	/Domingos J. Silva/
<b>DATE SIGNED:</b>	08/10/2016
<b>Total Attachments: 9</b> source=205948-0021US2_Executed_Assignment_Parent_13386780#page1.tif source=205948-0021US2_Executed_Assignment_Parent_13386780#page2.tif source=205948-0021US2_Executed_Assignment_Parent_13386780#page3.tif source=205948-0021US2_Executed_Assignment_Parent_13386780#page4.tif source=205948-0021US2_Executed_Assignment_Parent_13386780#page5.tif source=205948-0021US2_Executed_Assignment_Parent_13386780#page6.tif source=205948-0021US2_Executed_Assignment_Parent_13386780#page7.tif source=205948-0021US2_Executed_Assignment_Parent_13386780#page8.tif source=205948-0021US2_Executed_Assignment_Parent_13386780#page9.tif	

**ASSIGNMENT**

WHEREAS, WE:

1. **Jason E. BARA**, residing at 4340 Evangeline Way, Tuscaloosa, AL 35406 USA;
2. **Trevor K. CARLISLE**, residing at 2880 Kalmia Avenue, Apt. 303, Boulder, CO 80301 USA;
3. **Evan S. HATAKEYAMA**, residing at 2174 NW Thorncroft Drive, Apt 1016, Hillsboro, OR 97124 USA;
4. **Douglas L. GIN**, residing at 708 Teal Circle, Longmont, CO 80503 USA;
5. **Richard D. NOBLE**, residing at 1262 Bear Mountain Court, Boulder, CO 80305 USA;
6. **Robert L. KERR**, residing at 666 E. Dyer Rd., Santa Ana, CA 92705 USA;
7. **Andrew L. LaFRATE**, residing at 1176-A Monroe Drive, Boulder, CO 80303 USA;

(herein called "ASSIGNORS"), are the inventors of the invention entitled:

**"Imidazolium-Based Room-Temperature Ionic Liquids, Polymers, Monomers, and Membranes Incorporating Same";**

for which the following patent application(s):

Application Type	Application Serial No.	Filing Date
United States Provisional Patent Application	61/228,669	July 27, 2009
United States Provisional Patent Application	61/228,433	July 24, 2009
United States Patent Application	13/386,780	January 24, 2012
International Application (WO)	PCT/US2010/043124	July 23, 2010

were submitted or filed (collectively, the "LISTED APPLICATIONS");

AND WHEREAS, **The Regents of the University of Colorado**, a body corporate (herein called "ASSIGNEE"), an entity organized and existing under the laws of the State of Colorado, having a principal place of business at:

**1800 Grant Street, 8<sup>th</sup> Floor  
Denver, CO 80203,**

is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application(s);

NOW, THEREFORE, in consideration of my contractual and other legal obligations, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, a said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said

**GS Docket No. 66-09  
Assignment**

ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States Application and all divisions, renewals, continuations and subsequent applications thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to claim for the same the priority of said patent applications listed herein and applications thereof and therefrom under The International Union for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application and applications thereof and therefrom is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application(s) or any other information that 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;

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all continuing and subsequent applications, including divisional, reissue and foreign applications, make all rightful oaths, and generally cooperate and do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain, maintain, and enforce proper protection for said invention in any and all countries;

IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the day and year set opposite my signature.

2/13/12  
Date

JEB  
Jason E. BARA

STATE OF Alabama )  
) ss.  
COUNTY OF Incalosa )

BEFORE ME, the undersigned authority, on this 13 day of February (month), 2012 (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: 2/13/12 My Commission Expires July 29, 2015  
T. L. Lumpkin  
Notary Public

\_\_\_\_\_  
Date Trevor K. CARLISLE

STATE OF \_\_\_\_\_ )  
) ss.  
COUNTY OF \_\_\_\_\_ )

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: \_\_\_\_\_  
Notary Public

My Commission expires: \_\_\_\_\_

Additional Assignors on additional sheets: Yes

GS Docket No. 66-09  
Assignment

Date \_\_\_\_\_ Jason E. BARA \_\_\_\_\_  
STATE OF \_\_\_\_\_ )  
  ) ss.  
COUNTY OF \_\_\_\_\_ )

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_ (month),  
\_\_\_\_\_ (year), personally appeared the above person, known to me to be the  
person whose name is subscribed to this instrument and who acknowledged to me that  
s/he executed the same of his/her own free will for the purposes and consideration  
herein expressed.

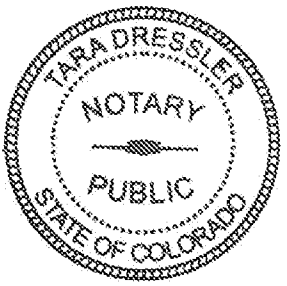
Date: \_\_\_\_\_  
My Commission expires: \_\_\_\_\_  
Notary Public

3/12/12  
Date \_\_\_\_\_ Trevor K. CARLISLE \_\_\_\_\_  
Trevor K. CARLISLE

STATE OF Colorado )  
  ) ss.  
COUNTY OF Boulder )

BEFORE ME, the undersigned authority, on this 12<sup>th</sup> day of March (month),  
2012 (year), personally appeared the above person, known to me to be the  
person whose name is subscribed to this instrument and who acknowledged to me that  
s/he executed the same of his/her own free will for the purposes and consideration  
herein expressed.

Date: 3/12/2012 \_\_\_\_\_ Tara Dressler \_\_\_\_\_  
Tara Dressler Notary Public  
My Commission expires: 7/6/2015



Additional Assignors on additional sheets: Yes

GS Docket No. 66-09  
Assignment

March 14<sup>th</sup> 2012  
Date

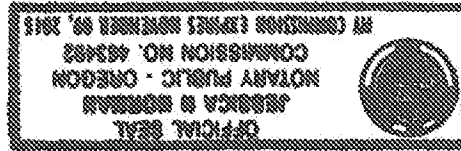
Evan S. Hatakeyama  
Evan S. HATAKEYAMA

STATE OF Oregon )  
 ) ss.  
COUNTY OF Washington )

BEFORE ME, the undersigned authority, on this 14<sup>th</sup> day of March (month), 2012 (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: March 14, 2012 Jessica Noren  
Notary Public

My Commission expires: Nov. 9, 2015



\_\_\_\_\_  
Date Douglas L. GIN

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: \_\_\_\_\_  
Notary Public

My Commission expires: \_\_\_\_\_

Additional Assignors on additional sheets: Yes





GS Docket No. 66-09  
Assignment

Feb 16, 2012  
Date

Richard D. Noble  
Richard D. NOBLE

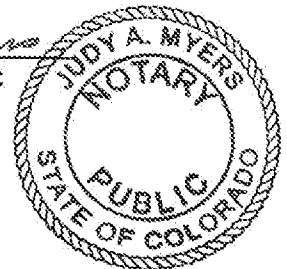
STATE OF Colorado )  
                                  ) ss.  
COUNTY OF Boulder )

BEFORE ME, the undersigned authority, on this 16 day of February (month), 2012 (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: 2/16/2012

Judy A. Myers  
Notary Public

My Commission expires: 10/27/2012



My Commission Expires 10/27/2012

\_\_\_\_\_ Date

\_\_\_\_\_ Robert L. KERR

STATE OF \_\_\_\_\_ )  
                                  ) ss.  
COUNTY OF \_\_\_\_\_ )

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

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

\_\_\_\_\_  
Notary Public

My Commission expires: \_\_\_\_\_

Additional Assignors on additional sheets: Yes

GS Docket No. 66-09  
Assignment

Date \_\_\_\_\_

Richard D. NOBLE

STATE OF \_\_\_\_\_ )

) ss.

COUNTY OF \_\_\_\_\_ )

BEFORE ME, the undersigned authority, on this \_\_\_\_\_ day of \_\_\_\_\_ (month),  
\_\_\_\_\_ (year), personally appeared the above person, known to me to be the  
person whose name is subscribed to this instrument and who acknowledged to me that  
s/he executed the same of his/her own free will for the purposes and consideration  
herein expressed.

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

Notary Public

My Commission expires: \_\_\_\_\_

Date \_\_\_\_\_

3/16/12

Robert L. Kerr  
Robert L. KERR

STATE OF California )

) ss.

COUNTY OF Orange )

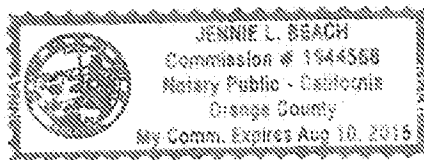
BEFORE ME, the undersigned authority, on this 16 day of March (month),  
2012 (year), personally appeared the above person, known to me to be the  
person whose name is subscribed to this instrument and who acknowledged to me that  
s/he executed the same of his/her own free will for the purposes and consideration  
herein expressed.

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

March 16, 2012

Jennie L. Beach  
Notary Public

My Commission expires: August 10, 2015



Additional Assignors on additional sheets: Yes

3-12-12

Date

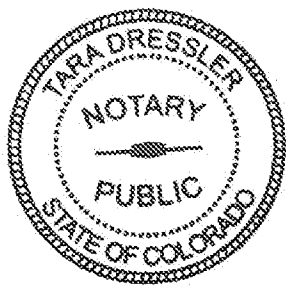
Andrew L. LaFRATE

STATE OF Colorado )  
  ) ss.  
COUNTY OF Boulder )

BEFORE ME, the undersigned authority, on this 12<sup>th</sup> day of MARCH (month),  
2012 (year), personally appeared the above person, known to me to be the  
person whose name is subscribed to this instrument and who acknowledged to me that  
s/he executed the same of his/her own free will for the purposes and consideration  
herein expressed.

Date: 3/12/2012 Tara Dressler  
Notary Public

My Commission expires: 3/6/2015



Additional Assignors on additional sheets: No