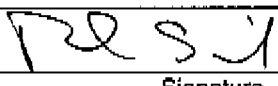


RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies) Tom W. Hawkins Gregory W. Drake Adam J. Brand Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>The United States of America as represented by the Secretary of the Air Force</u> Internal Address: <u>AFMCLO/JAZ</u> <u>Bldg 11, Room 100</u> Street Address: <u>2240 B Street</u> City: <u>Wright-Patterson Air Force Base</u> State: <u>Ohio</u> Country: <u>U.S.A.</u> Zip: <u>45433-7109</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>03/20/2006, 03/23/2006, and 03/20,2006</u> <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input checked="" type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <div style="text-align: center;">11/398,746</div> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Fredric L. Sinder</u> Internal Address: <u>AFMCLO/JAZ</u> <u>Bldg 11, Room 100</u> Street Address: <u>2240 B Street</u> City: <u>Wright-Patterson AFB</u> State: <u>Ohio</u> Zip: <u>45433-7109</u> Phone Number: <u>(937) 255-2838</u> Fax Number: <u>(937) 255-3733</u> Email Address: <u>fredric.sinder@wpafb.af.mil</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit card Last 4 Numbers _____ Expiration Date: _____ b. Deposit Account Number <u>AF01-0465</u> Authorized User Name <u>Fredric L. Sinder</u>
9. Signature: <u></u> <u>Sept 12, 2006</u> <div style="display: flex; justify-content: space-between;"> Signature Date </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <u>FREDRIC L. SINDER</u> Name of Person Signing </div> <div style="text-align: center;"> Total number of pages including cover sheet, attachments, and documents: 4 </div> </div>	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

700286419

PATENT
REEL: 018248 FRAME: 0331

CH \$40.00 010465 11398746

AFB00739

D102

ASSIGNMENT

(x gov)

WHEREAS, we, **Tom W. Hawkins, Gregory W. Drake and Adam J. Brand**, while employed by the Government of the United States, made an invention entitled **Energetic Ionic Liquids** and described in application for Letters Patent of the United States executed by us on or about the 20th day of March, 2006, on the 23 day of MARCH, 2006, and on the 20th day of March, 2006.

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under paragraph 1 (a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, we, **Tom W. Hawkins, Gregory W. Drake and Adam J. Brand**, the inventors, have sold, assigned and transferred and by these presents do sell, assign and transfer unto the Government of the United States of America as represented by the Secretary of the Air Force, our entire right, title and interest throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, and all Letters Patent issuing thereon and any continuations, divisions and reissues or extensions thereof; we hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the Government of the United States of America, as represented by the Secretary of the Air Force, and his/her successors, as assignee of our entire right, title and interest in and to the same throughout the United States of America, its territories and dependencies, for the sole use for the full term or terms for which said Letters Patent and any continuations, divisions and reissues or extensions thereof are, or may be granted as fully and entirely as the same would have been held by us had this assignment not been made; and we do hereby also grant unto the Government of the United States as represented by the Secretary of the Air Force, our right, title, and interest in said invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to us of any further consideration; provided, however, that this grant to take foreign rights in our invention, or application for Letters Patent thereon, shall have force and effect only as to such applications filed in foreign countries, and that all foreign rights not exercised under this grant are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in

1

PATENT

REEL: 018248 FRAME: 0332

any patent which may issue on said invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government of the United States and/or in furtherance of the foreign policies of the Government of the United States; and we hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary for the preparation and filing of such applications, or for the Government to exercise its option granted hereunder, except that it shall be understood that we shall not be subject to any out-of-pocket expense relative to such action.

Inventor

Tom W. Hawkins
TOM W. HAWKINS

STATE OF CALIFORNIA

SS.

COUNTY OF Kern

Before me, a Notary Public in and for the county of Kern and state of CALIFORNIA, on this 28th day of March, 2006, personally appeared **TOM W. HAWKINS** to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledges said instrument to be his free act and deed.

(Seal)



Dody R. Jones
Notary Public

Inventor

Gregory W. Drake
GREGORY W. DRAKE

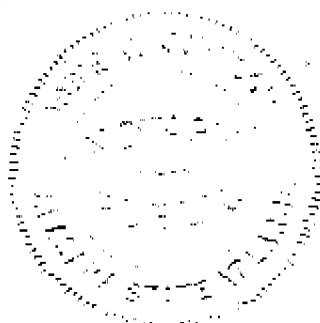
STATE OF ALABAMA

SS.

COUNTY OF Madison

Before me, a Notary Public in and for the county of Madison and state of ALABAMA, on this 23rd day of March, 2006, personally appeared **GREGORY W. DRAKE** to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledged said instrument to be his free act and deed.

(Seal)



Abbie J. Johnson
Notary Public
ABBIE J. JOHNSON
NOTARY PUBLIC, ALABAMA STATE AT LARGE
MY COMMISSION EXPIRES 3-7-2007

2

Inventor 
ADAM J. BRAND

STATE OF CALIFORNIA

SS.

COUNTY OF Kern

Before me, a Notary Public in and for the county of Kern and state of CALIFORNIA, on this 20th day of March, 2006, personally appeared **ADAM J. BRAND** to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledged said instrument to be his free act and deed.


Notary Public

(Seal)

