

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Mark Muldoon	07/17/2006
Joan F. Brennecke	07/13/2006
Edward J. Maginn	07/13/2006

**RECEIVING PARTY DATA**

Name:	University of Notre Dame du Lac
Street Address:	511 Main Building
City:	Notre Dame
State/Country:	INDIANA
Postal Code:	46556

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	11254782

**CORRESPONDENCE DATA**

Fax Number: (703)591-5907  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 703 561 2664  
 Email: Diana.Cook@Jagtiani.com  
 Correspondent Name: Michael G. Verga  
 Address Line 1: 10363-A Democracy Ln  
 Address Line 4: Fairfax, VIRGINIA 22030

ATTORNEY DOCKET NUMBER:	UNND-0088-UT1
NAME OF SUBMITTER:	Michael G. Verga

Total Attachments: 3  
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 source=UNND0088UT1exeAssignBRENNECKE#page1.tif

**OP \$40.00 11254782**



ASSIGNMENT

WHEREAS, MARK MULDOON, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a AMINOPYRIDINIUM IONIC LIQUIDS (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed;

WHEREAS, UNIVERSITY OF NOTRE DAME DU LAC., whose post office address is 511 Main Building, Notre Dame, IN 46556, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.


ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby grants the firm of Jagtiani + Guttig of Fairfax, VA (Registration No. 35,205) the power to insert on this Assignment any further identification 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.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behalf; and for the use and behalf of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Mark Muldoon  
7 The Steading  
Coltness, Wishaw  
Lanarkshire  
Scotland, UK ML2 7DB

  
Signature

7/17/06  
Date

SSN

(Notarization preferred but not required)

Before me personally appeared said \_\_\_\_\_ and acknowledges this instrument to be his (her) free act  
and deed this \_\_\_\_\_ day of \_\_\_\_\_

Notary Public

### ASSIGNMENT

WHEREAS, JOAN F. BRENECKE, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a AMINOPYRIDINIUM IONIC LIQUIDS (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed;

WHEREAS, UNIVERSITY OF NOTRE DAME DU LAC., whose post office address is 511 Main Building, Notre Dame, IN 46556, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ASSIGNOR's hereby grants the firm of Jagtiani + Guttag of Fairfax, VA (Registration No. 35,205) the power to insert on this Assignment any further identification 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.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behalf; and for the use and behalf of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Joan F. Brennecke  
17000 Stonegate Court  
Granger, IN 46530

Joan F. Brennecke  
Signature

7/13/06  
Date

486-52-8071  
SSN

(Notarization preferred but not required)

Before me personally appeared said Joan F. Brennecke and acknowledges this instrument to be his (her) free act and deed this 13<sup>th</sup> day of July, 2006.

Paula Ann Horne  
Notary Public

PAULA ANN HORNE  
NOTARY PUBLIC STATE OF INDIANA  
ST. JOSEPH COUNTY  
MY COM. EXPIRES MAR. 7, 2007

ASSIGNMENT

WHEREAS, EDWARD J. MAGINN, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a AMINOPYRIDINIUM IONIC LIQUIDS (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed;

WHEREAS, UNIVERSITY OF NOTRE DAME DU LAC., whose post office address is 511 Main Building, Notre Dame, IN 46556, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.


ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

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ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behalf; and for the use and behalf of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Edward J. Maginn  
1603 Devon Circle  
South Bend, IN 46617

  
\_\_\_\_\_  
Signature  
  
7/13/06  
\_\_\_\_\_  
Date  
  
483-80-0780  
\_\_\_\_\_  
SSN

(Notarization preferred but not required)

Before me personally appeared said EDWARD MAGINN and acknowledges this instrument to be his (her) free act and deed this 13<sup>th</sup> day of JULY, 2006.

Notary Public

PATENT