PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| Adam J. Matzger | 05/28/2013 |
| Antek G. Wong-Foy | 05/28/2013 |
| Olivier Lebel | 05/28/2013 |

RECEIVING PARTY DATA

| Name: | The Regents of the University of Michigan |
|-----------------|---|
| Street Address: | 3003 S. State Street |
| City: | Ann Arbor |
| State/Country: | MICHIGAN |
| Postal Code: | 48109 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13775561 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | UOM 0393 PUS1 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | James W. Proscia |
| Signature: | /James W. Proscia/ |
| | PATENT |

PATENT REEL: 030503 FRAME: 0469 240 00 137

| Date: | 05/29/2013 | |
|------------------------------------|---|--|
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |
| source=Assign_Dec_UOM0393PUS1#page | source=Assign_Dec_UOM0393PUS1#page1.tif source=Assign_Dec_UOM0393PUS1#page2.tif source=Assign_Dec_UOM0393PUS1#page3.tif | |

| Attorney Docket Number | UOM 0393 PUS1 | |
|------------------------|---------------|--|

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

| litle of invention | Novel Strategies, Linkers and Coordination Polymers for Flight erformance 301 bents | | | |
|--|---|--|--|--|
| As a below named inventor, I hereby declare that: | | | | |
| This declaration is directed to. | | | | |
| ☐ The at | tached application, or | | | |
| ⊠ United13/7 inserti | I States application or PCT international application number 175.561 filed on <u>February 25, 2013</u> (I hereby authorize the on of the application filing date and number when they become known.) | | | |
| The above-identified app | lication was made or authorized to be made by me. | | | |
| I believe that I am the or | iginal inventor or an original joint inventor of a claimed invention in the application. | | | |
| I hereby state that I have | reviewed and understand the contents of the above-identified specification, including the claims. | | | |
| I am aware of the duty patentability as defined i | to disclose to the U.S. Patent and Trademark Office all information known to me to be material to a 37 C.F.R. § 1.56. | | | |
| NOW. THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged. I do hereby assign, sell and set over to _The Regents of the University of Michigan _ a non-profit organization organized and existing under the laws of the state or country of _Michigan and having a place of business at3003 S. State Street. Ann Arbor, Michigan _48109 , hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications. | | | | |
| And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over. | | | | |
| And I hereby represent a | nd warrant that I have not granted any rights inconsistent with the rights granted herein. | | | |
| I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both. | | | | |
| LEGAL NAME OF INV | S/28/13 | | | |
| Inventor: Adam J. N | | | | |
| Signature: | | | | |
| Page 1 of 2 (Supplemental Sheet with Additional Joint Inventors is attached if necessary) | | | | |
| Note: An Application Data | Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. | | | |

Attorney Docket Number UOM 0393 PUS1 Additional Inventors SUPPLEMENTAL SHEET FOR ASSIGNMENT AND Page 2 of 2 DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) Novel Strategies, Linkers and Coordination Polymers for High-Performance Sorbents Title of Invention Legal Name of Additional Joint Inventor: Date: 5/28//3Inventor: Signature: Legal Name of Additional Joint Inventor: Olivier Lebel Date: Inventor: Signature: Legal Name of Additional Joint Inventor: Date: Inventor: Signature: Legal Name of Additional Joint Inventor: Date: Inventor: Signature: Legal Name of Additional Joint Inventor: Inventor: Date: Signature: Legal Name of Additional Joint Inventor: Inventor: Date: Signature:

| Attorney Docket Number | UOM 0393 PUS1 | |
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| | | |

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

| Title of Invention | Novel Strategies, Linkers and Coordination Polymers for High-Performance Sorbents | | |
|--|---|--|--|
| | | | |
| As a below named inv | entor, I hereby declare that: | | |
| This declaration is directed to: | | | |
| ☐ The | attached application, or | | |
| _13 | ted States application or PCT international application number 3/775,561 filed on February 25, 2013 . (I hereby authorize the rtion of the application filing date and number when they become known.) | | |
| inse | ruon of the application filing date and number when they become known.) | | |
| The above-identified a | pplication was made or authorized to be made by me. | | |
| I believe that I am the | original inventor or an original joint inventor of a claimed invention in the application. | | |
| I hereby state that I have | we reviewed and understand the contents of the above-identified specification, including the claims. | | |
| I am aware of the du patentability as defined | ty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to I in 37 C.F.R. § 1.56. | | |
| NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to The Regents of the University of Michigan, a non-profit organization organized and existing under the laws of the state or country of Michigan and having a place of business at 3003 S. State Street, Ann Arbor, Michigan 48109, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications. | | | |
| And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over. | | | |
| And I hereby represent | and warrant that I have not granted any rights inconsistent with the rights granted herein. | | |
| I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both. | | | |
| LEGAL NAME OF IN | LEGAL NAME OF INVENTOR | | |
| Inventor: Adam J. | Matzger Date: | | |
| Signature: | | | |
| Page 1 of 2 (Supplemental Sheet with Additional Joint Inventors is attached if necessary) | | | |
| Note: An Application Da | ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. | | |

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|---|------------------------|---------------|--|
| | Attorney Docket Number | UOM 0393 PUS1 | |

SUPPLEMENTAL SHEET FOR ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Additional Inventors Page 2 of 2

| Title of Invention | Novel Strategies, Linkers and Coordination Polymers for High-Performance Sorbents |
|--------------------|---|
| | |
| T IN C A N | |
| Legal Name of Ad | ditional Joint Inventor: |
| Inventor: Antek C | B. Wong-Foy Date: |
| | |
| Signature: | |
| Legal Name of Ad | ditional Joint Inventor: |
| Esquiriante of the | dividual doint inventor. |
| Inventor: Olivier | Date: MAY 28, 2013 |
| Signature: | ines bold |
| | ditional Joint Inventor: |
| Legal Name of Au | dicional Joint Inventor. |
| Inventor: | Date: |
| | |
| | |
| Legal Name of Add | litional Joint Inventor: |
| | |
| Inventor: | Date: |
| Signature: | |
| | |
| Legal Name of Add | litional Joint Inventor: |
| | |
| Inventor: | Date: |
| Signature: | |
| | |
| Legal Name of Add | litional Joint Inventor: |
| | |
| Inventor: | Date: |
| Signature: | |

PATENT REEL: 030503 FRAME: 0474

RECORDED: 05/29/2013