

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2687065

| SUBMISSION TYPE:   | NEW ASSIGNMENT          |               |                         |                 |                       |                  |            |                |               |                 |            |
|--|-------------------------|---------------|-------------------------|-----------------|-----------------------|------------------|------------|----------------|---------------|-----------------|------------|
| NATURE OF CONVEYANCE:  | ASSIGNMENT              |               |                         |                 |                       |                  |            |                |               |                 |            |
| CONVEYING PARTY DATA   |                         |               |                         |                 |                       |                  |            |                |               |                 |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>URSZULA TYLUS</td> <td>01/14/2014</td> </tr> <tr> <td>SANJEEV MUKERJEE</td> <td>01/14/2014</td> </tr> <tr> <td>ELISE MINER</td> <td>01/14/2014</td> </tr> <tr> <td>KARA STRICKLAND</td> <td>01/14/2014</td> </tr> </tbody> </table>  |                         | Name          | Execution Date          | URSZULA TYLUS   | 01/14/2014            | SANJEEV MUKERJEE | 01/14/2014 | ELISE MINER    | 01/14/2014    | KARA STRICKLAND | 01/14/2014 |
| Name   | Execution Date          |               |                         |                 |                       |                  |            |                |               |                 |            |
| URSZULA TYLUS  | 01/14/2014              |               |                         |                 |                       |                  |            |                |               |                 |            |
| SANJEEV MUKERJEE   | 01/14/2014              |               |                         |                 |                       |                  |            |                |               |                 |            |
| ELISE MINER  | 01/14/2014              |               |                         |                 |                       |                  |            |                |               |                 |            |
| KARA STRICKLAND  | 01/14/2014              |               |                         |                 |                       |                  |            |                |               |                 |            |
| RECEIVING PARTY DATA   |                         |               |                         |                 |                       |                  |            |                |               |                 |            |
| <table border="1"> <tr> <td>Name:</td> <td>NORTHEASTERN UNIVERSITY</td> </tr> <tr> <td>Street Address:</td> <td>360 HUNTINGTON AVENUE</td> </tr> <tr> <td>City:</td> <td>BOSTON</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02115</td> </tr> </table>  |                         | Name:         | NORTHEASTERN UNIVERSITY | Street Address: | 360 HUNTINGTON AVENUE | City:            | BOSTON     | State/Country: | MASSACHUSETTS | Postal Code:    | 02115      |
| Name:  | NORTHEASTERN UNIVERSITY |               |                         |                 |                       |                  |            |                |               |                 |            |
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| City:  | BOSTON                  |               |                         |                 |                       |                  |            |                |               |                 |            |
| State/Country:   | MASSACHUSETTS           |               |                         |                 |                       |                  |            |                |               |                 |            |
| Postal Code:   | 02115                   |               |                         |                 |                       |                  |            |                |               |                 |            |
| PROPERTY NUMBERS Total: 1  |                         |               |                         |                 |                       |                  |            |                |               |                 |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2014010502</td> </tr> </tbody> </table>  |                         | Property Type | Number                  | PCT Number:     | US2014010502          |                  |            |                |               |                 |            |
| Property Type  | Number                  |               |                         |                 |                       |                  |            |                |               |                 |            |
| PCT Number:  | US2014010502            |               |                         |                 |                       |                  |            |                |               |                 |            |
| CORRESPONDENCE DATA  |                         |               |                         |                 |                       |                  |            |                |               |                 |            |
| <p>Fax Number:</p> <p>Phone: 781-904-2700</p> <p>Email: judith.simen@mclane.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: LIN J. HYMEL</p> <p>Address Line 1: 300 TRADECENTER, SUITE 7000</p> <p>Address Line 2: MCLANE, GRAF, RAULERSON &amp; MIDDLETON, PA</p> <p>Address Line 4: WOBURN, MASSACHUSETTS 01801</p> |                         |               |                         |                 |                       |                  |            |                |               |                 |            |
| ATTORNEY DOCKET NUMBER:  | 96642                   |               |                         |                 |                       |                  |            |                |               |                 |            |
| NAME OF SUBMITTER:   | LIN J. HYMEL            |               |                         |                 |                       |                  |            |                |               |                 |            |

|   |                |
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| Signature:  | /Lin J. Hymel/ |
| Date:   | 01/17/2014     |
| <b>Total Attachments: 5</b><br>source=Executed-assignment-96642#page1.tif<br>source=Executed-assignment-96642#page2.tif<br>source=Executed-assignment-96642#page3.tif<br>source=Executed-assignment-96642#page4.tif<br>source=Executed-assignment-96642#page5.tif |                |

ASSIGNMENT

We,

|                   |             |   |
|-------------------|-------------|---|
| Urszula Tylus,    | residing at | 14 Pelham Terrace<br>Arlington, Massachusetts 02476   |
| Sanjeev Mukerjee, | residing at | 393 Franklin Street<br>Mansfield, Massachusetts 02048 |
| Elise Miner,      | residing at | 1505 Muirfield Cove<br>Milton, Georgia 30004          |
| Kara Strickland,  | residing at | 16 Battery Street, 4F<br>Boston, Massachusetts 02109  |

Assignors, for good and valuable consideration, receipt of which is hereby acknowledged, hereby sell, assign, and transfer to **Northeastern University**, (Assignee) a Massachusetts university, having a principal place of business at 360 Huntington Avenue, Boston, Massachusetts 02115 and its successors and assigns, the entire right, title and interest in and to the invention

**Non-Noble Metal Electrocatalysts for Oxygen Depolarized Cathodes and Their Uses**

and to the patent application filed therefor, **PCT Application No. PCT/US2014/010502**, filed on **January 7, 2014**, and any other patent applications filed therefor, and such patents, reissues, reexaminations, and extensions thereof which issue in any country upon said patent applications, which correspond with or claim priority from said applications, or any divisional, continuation, or continuation-in-part thereof, including the right to sue and collect for past infringement; the same to be held and enjoyed by Assignee for its own use, and for the use of its legal representatives, to the full term for which such patents are entitled, as fully and entirely as the same would have been held by us had this assignment not been made.

We hereby further covenant and agree that we will not execute any writing or do any act whatsoever conflicting with this agreement, and that we, our successors and assigns, will at any time upon request without further additional consideration, but at the expense of Assignee, its successors and assigns, execute such additional writings and do such additional acts as Assignee, its successors and assigns, may determine as necessary or desirable in the enjoyment of this grant, and in any proceedings or transactions involving such invention, patent applications or patents.

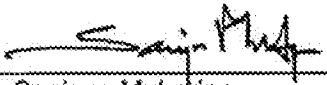
By:

Ursula Tylus  
Ursula Tylus

Date: 1-14-14

Robert J. Allen  
(Witness Signature)

Robert Allen  
(Witness Printed Name)

  
\_\_\_\_\_  
Sanjeev Mukerjee

Date: 1/14/2014

  
\_\_\_\_\_  
(Witness Signature)

**ROBERT ALLEN**  
\_\_\_\_\_  
(Witness Printed Name)

  
\_\_\_\_\_  
Elise Miner

Date: 1/14/2014

  
\_\_\_\_\_  
(Witness Signature)

Robert Allen  
\_\_\_\_\_  
(Witness Printed Name)

Kara M. Strickland  
Kara Strickland

Date: 01-14-14

Robert J. Allen  
(Witness Signature)

Robert Allen  
(Witness Printed Name)