

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

| SUBMISSION TYPE:   | NEW ASSIGNMENT                             |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
|--|--|-----------------------------|---------------------------------------|------------------|-------------------|-----------|-------|-----------|----------------|----------|--------------|-------|--|
| NATURE OF CONVEYANCE:  | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
| CONVEYING PARTY DATA   |  |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
| <table border="1"><tr><th>Name</th><th>Execution Date</th></tr><tr><td>Massachusetts Institute of Technology</td><td>08/03/2009</td></tr></table>  | Name                                       | Execution Date              | Massachusetts Institute of Technology | 08/03/2009       |                   |           |       |           |                |          |              |       |  |
| Name   | Execution Date                             |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
| Massachusetts Institute of Technology  | 08/03/2009                                 |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
| RECEIVING PARTY DATA   |  |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
| <table border="1"><tr><td>Name:</td><td>National Science Foundation</td></tr><tr><td>Street Address:</td><td>4201 Wilson Blvd</td></tr><tr><td>Internal Address:</td><td>Room 1265</td></tr><tr><td>City:</td><td>Arlington</td></tr><tr><td>State/Country:</td><td>VIRGINIA</td></tr><tr><td>Postal Code:</td><td>22230</td></tr></table> | Name:                                      | National Science Foundation | Street Address:                       | 4201 Wilson Blvd | Internal Address: | Room 1265 | City: | Arlington | State/Country: | VIRGINIA | Postal Code: | 22230 |  |
| Name:  | National Science Foundation                |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
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| PROPERTY NUMBERS Total: 1  |  |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
| <table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>10731702</td></tr></table>   | Property Type                              | Number                      | Application Number:                   | 10731702         |                   |           |       |           |                |          |              |       |  |
| Property Type  | Number                                     |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
| Application Number:  | 10731702                                   |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |
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| Total Attachments: 1<br>source=Conf_lic59595#page1.tif   |  |                             |                                       |                  |                   |           |       |           |                |          |              |       |  |

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PATENT  
REEL: 023071 FRAME: 0359

CONFIRMATORY INSTRUMENT

Application for: LIGANDS FOR METALS AND IMPROVED METAL-CATALYZED  
PROCESSES BASED THEREON

Inventor(s): Stephen L. Buchwald, Xiaohua Huang and Danilo Zim

Serial Number: 10/731702

Filing Date: 12/9/2003

Grant No.: CHE-9421982

Contractor: MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Case No.: 11860

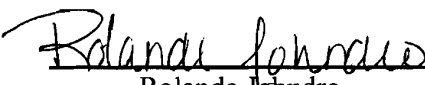
The invention identified above is a "Subject Invention" under Patent Rights clause included in CHE-9421982 with the NSF.

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 3<sup>rd</sup> day of August, 2009.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

By   
Rolande Johndro  
Patent Compliance Administrator  
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