## 502534039 10/16/2013

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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| NATURE OF CONVEYANCE:  |   |   | ASSIGNMENT  |         |                |  |  |
| CONVEYING PART   | / DATA  |   |   |         |                |  |  |
|  |   | N   | ame   |         | Execution Date |  |  |
| MICHIGAN MOLECULAR INSTITUTE   |   |   |   |         | 09/13/2013     |  |  |
| RECEIVING PARTY  | DATA  |   |   |         |                |  |  |
| Name:  | MICROMIDAS  | MICROMIDAS, INC.  |   |         |                |  |  |
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| Property   | у Туре  |   |   | Number  |                |  |  |
| Property   | <b>у</b> Туре   |   |   | Number  |                |  |  |
| Property Application Number  |   | 138387  | 51  | Number  |                |  |  |
|  | :   | 138387  | 51  | Number  |                |  |  |
| Application Number   | E DATA  |   |   | Number  |                |  |  |
| Application Number   | E DATA (415   | 138387<br>138387<br>268-75<br>2686237                                 |   | Number  |                |  |  |
| Application Number  CORRESPONDENC  Fax Number:  Phone:  Email:   | E DATA<br>(415<br>4152<br>vpoc  | )268-75<br>2686237<br>ble@mo  | 22<br>p.com   |         |                |  |  |
| Application Number  CORRESPONDENC  Fax Number: Phone: Email: Correspondence will   | E DATA<br>(415<br>4152<br>vpoo<br>l be sent via US Ma                   | )268-75<br>2686237<br>ble@mo  | 22<br>o.com<br>the email attempt is unsucce   |         |                |  |  |
| Application Number  CORRESPONDENC  Fax Number: Phone: Email: Correspondence with Correspondent Name  | E DATA  (415 4152 vpoc be sent via US Ma e: MICI                        | 268-75<br>2686237<br>ble@mo<br>ail when<br>HAEL R                     | 22<br>o.com<br>the email attempt is unsucce<br>WARD   |         |                |  |  |
| Application Number  CORRESPONDENC  Fax Number: Phone: Email: Correspondence will   | E DATA  (415 4152 vpood be sent via US Ma e: MICI                       | )268-75<br>2686237<br>ble@mo<br>ble@mo<br>HAEL R                      | 22<br>o.com<br>the email attempt is unsucce   |         |                |  |  |
| Application Number  CORRESPONDENC  Fax Number: Phone: Email: Correspondence will. Correspondent Name   | E DATA  (415 4152 vpood be sent via US Ma e: MICI MOF 425               | )268-75<br>2686237<br>ole@mo<br>nil when<br>HAEL R<br>RRISON<br>MARKE | 22<br>o.com<br>the email attempt is unsucce<br>WARD<br>& FOERSTER LLP   | essful. |                |  |  |
| Application Number  CORRESPONDENC  Fax Number: Phone: Email: Correspondence will Correspondent Nam Address Line 1: Address Line 2:   | E DATA  (415 4152 vpoor be sent via US Ma e: MICI MOF 425 SAN           | )268-75<br>2686237<br>ole@mo<br>nil when<br>HAEL R<br>RRISON<br>MARKE | o.com<br>the email attempt is unsucce<br>WARD<br>& FOERSTER LLP<br>I STREET   | essful. |                |  |  |
| Application Number  CORRESPONDENC  Fax Number: Phone: Email: Correspondence will. Correspondent Nam Address Line 1: Address Line 2: Address Line 4:  ATTORNEY DOCKE                  | E DATA  (415 4152 vpoor be sent via US Ma e: MICI MOF 425 SAN T NUMBER: | )268-75<br>2686237<br>ole@mo<br>nil when<br>HAEL R<br>RRISON<br>MARKE | o.com<br>the email attempt is unsucce<br>WARD<br>& FOERSTER LLP<br>I STREET<br>ISCO, CALIFORNIA 94105-              | essful. |                |  |  |
| Application Number  CORRESPONDENC  Fax Number: Phone: Email: Correspondence will Correspondent Nam Address Line 1: Address Line 2: Address Line 4:                                   | E DATA  (415 4152 vpoor be sent via US Ma e: MICI MOF 425 SAN T NUMBER: | )268-75<br>2686237<br>ole@mo<br>nil when<br>HAEL R<br>RRISON<br>MARKE | 22<br>D.com<br>the email attempt is unsucce<br>WARD<br>& FOERSTER LLP<br>ISCO, CALIFORNIA 94105-<br>657232001800    | essful. |                |  |  |
| Application Number  CORRESPONDENC  Fax Number: Phone: Email: Correspondence will Correspondent Nam- Address Line 1: Address Line 2: Address Line 4:  ATTORNEY DOCKE  NAME OF SUBMITT | E DATA  (415 4152 vpoor be sent via US Ma e: MICI MOF 425 SAN T NUMBER: | )268-75<br>2686237<br>ole@mo<br>nil when<br>HAEL R<br>RRISON<br>MARKE | D.com  the email attempt is unsucce WARD  FOERSTER LLP STREET ISCO, CALIFORNIA 94105- 657232001800  MICHAEL R. WARD | essful. |                |  |  |

PATENT REEL: 031414 FRAME: 0710

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Total Attachments: 2

Attorney Docket No.: 657232001800

## ASSIGNMENT

This Assignment is by:

Assignor: Michigan Molecular Institute

Address: 1910 W. St. Andrews Road, Midland, MI 48640

A not-for-profit corporation organized and existing under the laws of the State of Michigan

(referred to in this Assignment as "Assignor"), is the sole and exclusive owner, by assignment, of the U.S. patent application identified below:

## METHODS OF PRODUCING PARA-XYLENE AND TEREPHTHALIC ACID

Serial No.: 13/838,761

Filing Date: March 15, 2013

This Assignment is to:

Assignee: MICROMIDAS, INC.

Address: 930 Riverside Parkway, Suite 10, West Sacramento, CA 95605 A corporation duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), who desires to acquire the entire right, title and interest in, to and under said patent application and the inventions covered thereby.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

- 1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for letters patent, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all provisionals, divisions, continuations, continuations-in-part and substitutions of said application, or reissues, re-examinations or extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
- 2. Assignor shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, including, without limitation, (a) said inventions, or said application for letters patent; (b) letters patent for said inventions in any country, including any reissue, re-examination or extension of or interference proceedings; or (c) any provisional, division, continuation, continuation-in-part, or substitutions of any application for letters patent or any reissues, re-examinations, extensions or interference proceedings involving any letters patent, to be obtained thereon. To be clear, for purposes of this paragraph, "desirable" shall include, without limitation, any act necessary or useful in connection with United States laws and/or international conventions.
- 3. Assignor hereby authorize and request the Commissioner of Patents in the United States to issue the above mentioned letters patents of the United States to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
- 4. "I hereby grant Assignee's attorneys, all of Morrison & Foerster LLP, 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

sf-3267128

Attorney Docket No.: 657232001800

United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known."

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Signature:

Name: James H. Plonka Title: President & CEO

Company: Michigan Molecular Institute

sf-3267128

PATENT REEL: 031414 FRAME: 0712

**RECORDED: 10/16/2013**