

## PATENT ASSIGNMENT

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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>Olan S. Fruchey</td> <td>12/07/2012</td> </tr> <tr> <td>Brian T. Keen</td> <td>12/06/2012</td> </tr> <tr> <td>Brooke A. Albin</td> <td>12/06/2012</td> </tr> <tr> <td>Nye A. Clinton</td> <td>12/07/2012</td> </tr> <tr> <td>Bernard D. Dombek</td> <td>12/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Olan S. Fruchey	12/07/2012	Brian T. Keen	12/06/2012	Brooke A. Albin	12/06/2012	Nye A. Clinton	12/07/2012	Bernard D. Dombek	12/06/2012
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<table border="1"> <tr> <td>Name:</td> <td>Mid-Atlantic Technology Research &amp; Innovation Centre (MATRIC)</td> </tr> <tr> <td>Street Address:</td> <td>3200 Kanawha Turnpike</td> </tr> <tr> <td>City:</td> <td>South Charleston</td> </tr> <tr> <td>State/Country:</td> <td>WEST VIRGINIA</td> </tr> <tr> <td>Postal Code:</td> <td>25303</td> </tr> </table>		Name:	Mid-Atlantic Technology Research & Innovation Centre (MATRIC)	Street Address:	3200 Kanawha Turnpike	City:	South Charleston	State/Country:	WEST VIRGINIA	Postal Code:	25303		
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CORRESPONDENCE DATA													
<p>Fax Number: 2156562498  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 215-656-3381        Email: pto.phil@dlapiper.com        Correspondent Name: T. Daniel Christenbury        Address Line 1: One Liberty Place        Address Line 2: 1650 Market Street, Suite 4900        Address Line 4: Philadelphia, PENNSYLVANIA 19103</p>													
ATTORNEY DOCKET NUMBER:	DNP-10-1209WO-US												
NAME OF SUBMITTER:	Carol Coney												
<p>Total Attachments: 1        source=DNP-10-1209WO-US#page1.tif</p>													

CH \$40.00 13701570

## ASSIGNMENT

WHEREAS, we, Olan S. Fruchey, Brian T. Keen, Brooke A. Albin, Nye A. Clinton and Bernard D. Dombek, all citizens of the United States of America, residing at 13 Greenbrier Avenue, Hurricane, WV 25526; 108 Hughes Drive, Pinch, WV 25156, 1026 Gordon Drive, Charleston, WV 25303; 16 Christopher Drive, Hurricane, WV 25526 and 1620 Woodvale Drive, Charleston, WV 25314, respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF, identified in International Application No. PCT/US11/39903, and in US Application No. 13/701,570,

WHEREAS, Mid-Atlantic Technology Research and Innovation Center (MATRIC), a West Virginia corporation, with offices at 3200 Kanawha Turnpike, South Charleston, WV 25303 (hereinafter referred to as "the assignee"), is desirous of acquiring the entire right, title and interest in said invention, said US application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said US application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

**EXECUTED** on the date(s) set forth below.

12/7-12  
Date

12-6-12  
Date

12-6-12  
Date

12-7-12  
Date

Dec 6, 2012  
Date

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Olan S. Fruchey  
Olan S. Fruchey

Brian T. Keen  
Brian T. Keen

Brooke A. Albin  
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Nye A. Clinton  
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Bernard D. Dombek  
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