

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| 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>Bryan Ringstrand</td> <td>01/25/2010</td> </tr> <tr> <td>Piotr Kaszynski</td> <td>01/25/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Bryan Ringstrand | 01/25/2010 | Piotr Kaszynski | 01/25/2010 | | | | |
| Name | Execution Date | | | | | | | | | | |
| Bryan Ringstrand | 01/25/2010 | | | | | | | | | | |
| Piotr Kaszynski | 01/25/2010 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Vanderbilt University</td> </tr> <tr> <td>Street Address:</td> <td>305 Kirkland Hall</td> </tr> <tr> <td>City:</td> <td>Nashville</td> </tr> <tr> <td>State/Country:</td> <td>TENNESSEE</td> </tr> <tr> <td>Postal Code:</td> <td>37240</td> </tr> </table> | | Name: | Vanderbilt University | Street Address: | 305 Kirkland Hall | City: | Nashville | State/Country: | TENNESSEE | Postal Code: | 37240 |
| Name: | Vanderbilt University | | | | | | | | | | |
| Street Address: | 305 Kirkland Hall | | | | | | | | | | |
| City: | Nashville | | | | | | | | | | |
| State/Country: | TENNESSEE | | | | | | | | | | |
| Postal Code: | 37240 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13456727</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13456727 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13456727 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (414)277-0656 Phone: (414)271-6560 Email: mkeipdocket@michaelbest.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Michael Best & Friedrich LLP Address Line 1: 100 East Wisconsin Avenue Address Line 2: Suite 3300 Address Line 4: Milwaukee, WISCONSIN 53202-4108</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 093386-9015-US03 | | | | | | | | | | |
| NAME OF SUBMITTER: | Michael R. Langer | | | | | | | | | | |
| <p>Total Attachments: 2 source=11274043_093386-9015-US03_As_Filed_Assignment_-_copy_from_parent#page1.tif source=11274043_093386-9015-US03_As_Filed_Assignment_-_copy_from_parent#page2.tif</p> | | | | | | | | | | | |

CH \$40.00 13456727

ASSIGNMENT

Pursuant to our obligation to Vanderbilt University (hereinafter referred to as "Assignee"), having its principal place of business at:

305 Kirkland Hall
Nashville, TN 37240

and for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works in the Vanderbilt University 1993-1994 Faculty Manual, the sufficiency and adequacy of which are hereby acknowledged, we:

Bryan Ringstrand
109 Elizabeths Court
Antioch, TN 37013

Piotr Kaszynski
9481 Chesapeake Dr
Brentwood, TN 37027

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

(1) in and to inventions described in a patent application titled "POLAR NEMATIC COMPOUNDS" for which we filed United States Provisional Patent Application No. 61/287863 (Atty. File No. 093386-9015 US00);

(2) in and to the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, and reissue applications) based upon said invention, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the U.S. provisional patent application and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on the U.S. provisional patent application.

And we hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense

incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

1/25/2010
Date

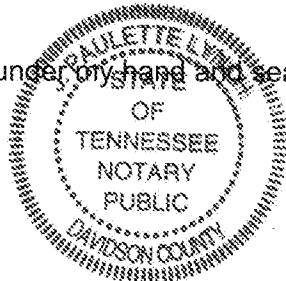
Bryan Ringstrand
Bryan Ringstrand

State of Tennessee)

County of DAVIDSON)

I do hereby certify that Bryan Ringstrand personally known to me to be the same person who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of Bryan Ringstrand, for the uses and purposes therein set forth.

Given under my hand and seal, this 25 day of January 2010.



David L. Balette exp 8/23/2011
Notary Public

1/25/2010
Date

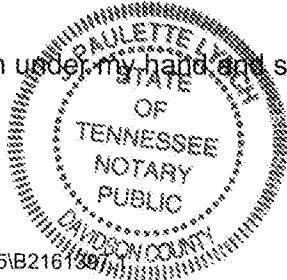
Piotr Kaszynski
Piotr Kaszynski

State of Tennessee)

County of DAVIDSON)

I do hereby certify that Piotr Kaszynski personally known to me to be the same person who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of Piotr Kaszynski, for the uses and purposes therein set forth.

Given under my hand and seal, this 25 day of January 2010.



David L. Balette exp 8/23/2011
Notary Public

X:\CLIENTB\093386\9015\B2161301