

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | |
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| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>William E. Drummond</td> <td>02/28/2008</td> </tr> <tr> <td>David R. Fahrbach</td> <td>03/06/2008</td> </tr> <tr> <td>James V. Howard</td> <td>02/28/2008</td> </tr> <tr> <td>James R. Hyatt</td> <td>02/28/2008</td> </tr> <tr> <td>Kevin K. Kim</td> <td>02/28/2008</td> </tr> <tr> <td>Mark E. Misenheimer</td> <td>02/28/2008</td> </tr> <tr> <td>Dean A. Stocker</td> <td>02/28/2008</td> </tr> </tbody> </table> | | Name | Execution Date | William E. Drummond | 02/28/2008 | David R. Fahrbach | 03/06/2008 | James V. Howard | 02/28/2008 | James R. Hyatt | 02/28/2008 | Kevin K. Kim | 02/28/2008 | Mark E. Misenheimer | 02/28/2008 | Dean A. Stocker | 02/28/2008 |
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| Mark E. Misenheimer | 02/28/2008 | | | | | | | | | | | | | | | | |
| Dean A. Stocker | 02/28/2008 | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | |
| Name: | Thermo Electron Scientific Instruments LLC | | | | | | | | | | | | | | | | |
| Street Address: | 5225 Verona Road | | | | | | | | | | | | | | | | |
| City: | Madison | | | | | | | | | | | | | | | | |
| State/Country: | WISCONSIN | | | | | | | | | | | | | | | | |
| Postal Code: | 53711 | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12023960</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12023960 | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | |
| Application Number: | 12023960 | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | |
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| Correspondent Name: | Diane Kizer | | | | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 2812US1/NAT | | | | | | | | | | | | | | | | |

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NAME OF SUBMITTER:

Diane Kizer

Total Attachments: 4

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ASSIGNMENT

WHEREAS WE, WILLIAM E. DRUMMOND of 1623 Begen Avenue, Mountain View, California 94040; DAVID R. FAHRBACH of 233 East Sunset Court, Madison, Wisconsin 53705; JAMES V. HOWARD of 38 N. Harwood Circle, Madison, Wisconsin 53717; JAMES R. HYATT of 716 Edgewood Ave, Madison, Wisconsin 53717; KEVIN K. KIM of 3802 Country Grove Drive, Madison, Wisconsin 53719; MARK E. MISENHEIMER of 7224 Knoll Court, Middleton, Wisconsin 53562, and DEAN A. STOCKER of 5812 Chesapeake Circle, Fitchburg, Wisconsin 53719, have invented certain new and useful improvements, entitled Feedback Circuit for Output Control in a Semiconductor X-Ray Detector for which invention we have executed an application for Letters Patent in the United States that was filed on 01/31/2008 with the U.S. Patent and Trademark Office as Serial No. 12/023,960 which discloses and identifies the invention.

Whereas, THERMO ELECTRON SCIENTIFIC INSTRUMENTS LLC, a limited liability company formed in the State of Delaware, having a place of business at 5225 Verona Road, Madison, Wisconsin 53711, (hereinafter referred to as assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application and the Letters Patent to be obtained therefor;

Now, therefore, for good and value consideration, the receipt and sufficiency whereof are hereby acknowledged, we hereby sell, assign, and set over unto the assignee and said assignee's successors, assigns, and designees, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above-mentioned assignee.

We hereby authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, we convey to said assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of said United States application (or other application if any there be) in priority to other applications; and we do hereby covenant and agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will at any time upon request, at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, renewal, continuation, continuation-

in-part, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such application or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties.

Date: 02/28/2008 Name of Inventor: William E. Drummond
William E. Drummond

Date: _____ Name of Inventor: _____
David R. Fahrbach

Date: _____ Name of Inventor: _____
James V. Howard

Date: _____ Name of Inventor: _____
James R. Hyatt

Date: _____ Name of Inventor: _____
Kevin K. Kim

Date: _____ Name of Inventor: _____
Mark E. Misenheimer

Date: _____ Name of Inventor: _____
Dean A. Stocker

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Date: _____ Name of Inventor: _____
William E. Drummond

Date: 6 March 2008 Name of Inventor: David R. Fahrbach
David R. Fahrbach

Date: 2/28/08 Name of Inventor: James V. Howard
James V. Howard

Date: 2/28/08 Name of Inventor: James R. Hyatt
James R. Hyatt

Date: 2/28/08 Name of Inventor: Kevin K. Kim
Kevin K. Kim

Date: 28 Feb 2008 Name of Inventor: Mark E. Misenheimer
Mark E. Misenheimer

Date: 28 FEB 2008 Name of Inventor: Dean A. Stocker
Dean A. Stocker