PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Scott McLuckey | 03/04/2009 |
| Sharon Pitteri | 03/02/2009 |

RECEIVING PARTY DATA

| Name: | Purdue Research Foundation | |
|-----------------|----------------------------|--|
| Street Address: | 3000 Kent Avenue | |
| City: | West Lafayette | |
| State/Country: | INDIANA | |
| Postal Code: | 47906 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11920062 |

CORRESPONDENCE DATA

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NAME OF SUBMITTER: Jeffrey A. Marx

Total Attachments: 5

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PATENT REEL: 022812 FRAME: 0421

<u>ASSIGNMENT</u>

WHEREAS, Scott A. Mcluckey, Paul A. Chrisman and Sharon J. Pitteri, hereinafter called the "Assignors," have made the invention described in the United States patent application entitled "Parallel Ion Parking in Ion Traps," for a full description of which reference is here made to an application for Letters Patent of the United States filed on November 7, 2007, and assigned Application Serial No. 11/920,062;

WHEREAS, Purdue Research Foundation, a not-for-profit entity existing under the laws of the State of Indiana, having a place of business at 3000 Kent Avenue, West Lafayette, Indiana 47906-1075, hereinafter called the "Assignee," desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages. including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the

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prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

| DATED: | 3/4/2009 | Scott A. Mcluckey |
|--------|----------|-------------------|
| DATED: | | Paul A. Chrisman |
| DATED: | | Sharon J. Pitteri |

prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

| DATED: | | |
|--------|--------|-------------------|
| | | Scott A. Mcluckey |
| DATED: | | |
| | | Paul A. Chrisman |
| DATED: | 3/2/09 | Sharon Pitteri |
| | | Sharon J. Pitteri |

| STATE OF INDIANA) SS. COUNTY OF TUPPECANOE) | | |
|---|--|--|
| COUNTY OF TUPPECANOE) | | |
| County and State aforesaid, do hereby certify that to me to be the same person whose name is su appeared before me this day in person and acknowledivered the said instrument as his free and volutherein set forth. IN WITNESS WHEREOF, I have hereunto the day of MARCH, 2 | Scott A. Mcluckey, personally known bscribed to the foregoing instrument, owledged that he signed, sealed and untary act for the uses and purposes | |
| | Danna D. Wilkinson | |
| DONNA D. WILKINSON NOTARY PUBLIC, STATE OF INDIANA MY COMMISSION EXPIRES FEBRUARY 25, 2015 My Commission Expires: | Panna D. W. Kunson Pary Public | |
| STATE OF) | | |
| COUNTY OF) ss. | | |
| I, | | |
| Not | ary Public | |
| My Commission Expires: | | |

| STATE OF |) | |
|---|------------------------------------|---|
| |) ss. | |
| COUNTY OF , |) | • |
| County and State aforesai | d, do hereby certif | , a Notary Public in and for the fy that Sharon J. Pitteri, personally known to |
| me to be the same pers appeared before me this of | on whose name day in person and | is subscribed to the foregoing instrument, acknowledged that she signed, sealed and and voluntary act for the uses and purposes |
| therein set forth. | | • |
| IN WITNESS WHE | REOF, I have he | ereunto set my hand and Notarial Seal, this |
| | | |
| | | Jessica C Fleenor |
| | | Notary Public |
| My Commission Expires: _ | 1/13/13 | · |