

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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| <b>SUBMISSION TYPE:</b>  | NEW ASSIGNMENT               |
| <b>NATURE OF CONVEYANCE:</b>   | ASSIGNMENT                   |
| <b>CONVEYING PARTY DATA</b>  |                              |
| <b>Name</b>  | <b>Execution Date</b>        |
| John Thomas Slough   | 08/09/2011                   |
| David Edwin Kirtley  | 08/09/2011                   |
| <b>RECEIVING PARTY DATA</b>  |                              |
| <b>Name:</b>   | MSNW LLC                     |
| <b>Street Address:</b>   | 8551 154th Avenue NE         |
| <b>City:</b>   | Redmond                      |
| <b>State/Country:</b>  | WASHINGTON                   |
| <b>Postal Code:</b>  | 98052                        |
| <b>PROPERTY NUMBERS Total: 1</b>   |                              |
| <b>Property Type</b>   | <b>Number</b>                |
| <b>Application Number:</b>   | 13206381                     |
| <b>CORRESPONDENCE DATA</b>   |                              |
| <b>Fax Number:</b>   | (206)381-3301                |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |                              |
| <b>Phone:</b>  | 2063813300                   |
| <b>Email:</b>  | papp@blgip.com               |
| <b>Correspondent Name:</b>   | Lowe Graham Jones PLLC       |
| <b>Address Line 1:</b>   | 701 Fifth Avenue, Suite 4800 |
| <b>Address Line 4:</b>   | Seattle, WASHINGTON 98104    |
| <b>ATTORNEY DOCKET NUMBER:</b>   | MSNW-1-1003                  |
| <b>NAME OF SUBMITTER:</b>  | Raymond W. Armentrout        |
| <b>Total Attachments: 3</b><br>source=MSNW-1-1003XAsgn#page1.tif<br>source=MSNW-1-1003XAsgn#page2.tif<br>source=MSNW-1-1003XAsgn#page3.tif |                              |

OP \$40.00 13206381

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: John Thomas Slough et al. Attorney Docket No. MSNW-1-1003  
Serial No.: Group Art Unit:  
Filing Date: Examiner:  
Title: APPARATUS, SYSTEMS AND METHODS FOR ESTABLISHING PLASMA  
AND USING PLASMA IN A ROTATING MAGNETIC FIELD

**ASSIGNMENT**

WHEREAS, I, John Thomas Slough, residing at 16436 SE 39<sup>th</sup> Place, Bellevue, WA 98008, am one of the inventors named in the above-identified United States patent application;

WHEREAS, I, David Edwin Kirtley, residing at 745 N 70<sup>th</sup> Street, Seattle, WA 98103, am one of the inventors named in the above-identified United States patent application;

AND, WHEREAS, MSNW LLC, a Washington Limited Liability Company, having a principal address at 8551 154th Avenue NE, Redmond, WA 98052 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in and to the patent application and related inventions;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound, I hereby assign and transfer to ASSIGNEE the entire right, title, and interest in and to the patent application and related inventions, including all improvements, variations, derivations and inventive subject matter directly or indirectly related to the patent application and inventions, and all provisional or nonprovisional patent applications or issued patents that have been or may be granted thereon, including without limitation all reissues, divisions, continuations, continuations-in-part, and extensions of the patent applications or patents, or any other form of protection for the inventions related to the patent application, in the United States and foreign countries; all rights of action arising from the inventions and all applications and patents on the inventions; all claims for

damages by reason of past and future infringement of the inventions and all applications and patents on the inventions, and the right to sue and collect damages for such infringement; all of the foregoing assigned rights to be held and enjoyed by the ASSIGNEE for its own use and benefit and for its successors and assigns as the same would have been held by me had this assignment not been made.

I do hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to: make and prosecute any and all applications on the inventions, maintain and enforce any and all patents on the inventions, and confirm in ASSIGNEE legal title to the inventions and all applications and patents on the inventions in the United States and foreign countries, all without charge to ASSIGNEE but at no expense to me. In the event that ASSIGNEE is unable for any reason, after reasonable effort, to secure my signature on any document needed in connection with the actions specified in this paragraph, or to otherwise perfect in ASSIGNEE the entire right, title, and interest in and to the patent application and related inventions, I hereby irrevocably designate and appoint the ASSIGNEE and its duly authorized officers and agents as my agent and attorney-in-fact, to act for and in my behalf to execute, verify and file any such documents and to do all other lawfully permitted acts to further the purposes of this assignment with the same legal force and effect as if executed by me. I hereby waive and quitclaim to the ASSIGNEE any and all claims, of any nature whatsoever, which I now or may hereafter have for infringement of any proprietary rights assigned to the ASSIGNEE.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law, and the remainder of this assignment shall remain in full force and effect.

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CUSTOMER NUMBER

- 2 -

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BLACK LOWE & GRAHAM <sup>PLLC</sup>



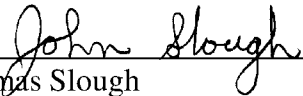
701 Fifth Avenue, Suite 4800  
Seattle, Washington 98104

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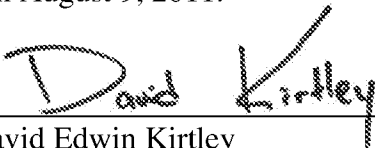
**PATENT**

**REEL: 026726 FRAME: 0628**

EXECUTED at Redmond (city), Washington (state), on August 9, 2011.

  
\_\_\_\_\_  
John Thomas Slough

EXECUTED at Redmond (city), Washington (state), on August 9, 2011.

  
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David Edwin Kirtley

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**RECORDED: 08/10/2011**

**REEL: 026726 FRAME: 0629**