

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Akira Fujimura</td> <td>05/13/2013</td> </tr> <tr> <td>Anatoly Aadamov</td> <td>07/24/2013</td> </tr> <tr> <td>Eldar Khaliullin</td> <td>05/21/2013</td> </tr> <tr> <td>Ingo Bork</td> <td>05/20/2013</td> </tr> </tbody> </table> |                                   | Name          | Execution Date | Akira Fujimura      | 05/13/2013 | Anatoly Aadamov | 07/24/2013 | Eldar Khaliullin | 05/21/2013 | Ingo Bork | 05/20/2013 |
| Name   | Execution Date                    |               |                |                     |            |                 |            |                  |            |           |            |
| Akira Fujimura   | 05/13/2013                        |               |                |                     |            |                 |            |                  |            |           |            |
| Anatoly Aadamov  | 07/24/2013                        |               |                |                     |            |                 |            |                  |            |           |            |
| Eldar Khaliullin   | 05/21/2013                        |               |                |                     |            |                 |            |                  |            |           |            |
| Ingo Bork  | 05/20/2013                        |               |                |                     |            |                 |            |                  |            |           |            |
| RECEIVING PARTY DATA   |                                   |               |                |                     |            |                 |            |                  |            |           |            |
| Name:  | D2S, Inc.                         |               |                |                     |            |                 |            |                  |            |           |            |
| Street Address:  | 4040 Moorpark Avenue, #250        |               |                |                     |            |                 |            |                  |            |           |            |
| City:  | San Jose                          |               |                |                     |            |                 |            |                  |            |           |            |
| State/Country:   | CALIFORNIA                        |               |                |                     |            |                 |            |                  |            |           |            |
| Postal Code:   | 95117                             |               |                |                     |            |                 |            |                  |            |           |            |
| 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>13862472</td> </tr> </tbody> </table>  |                                   | Property Type | Number         | Application Number: | 13862472   |                 |            |                  |            |           |            |
| Property Type  | Number                            |               |                |                     |            |                 |            |                  |            |           |            |
| Application Number:  | 13862472                          |               |                |                     |            |                 |            |                  |            |           |            |
| CORRESPONDENCE DATA  |                                   |               |                |                     |            |                 |            |                  |            |           |            |
| Fax Number:<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |                                   |               |                |                     |            |                 |            |                  |            |           |            |
| Phone:   | 8584811883                        |               |                |                     |            |                 |            |                  |            |           |            |
| Email:   | grace@themuellerlawoffice.com     |               |                |                     |            |                 |            |                  |            |           |            |
| Correspondent Name:  | Grace Schulz                      |               |                |                     |            |                 |            |                  |            |           |            |
| Address Line 1:  | The Mueller Law Office            |               |                |                     |            |                 |            |                  |            |           |            |
| Address Line 2:  | 12707 High Bluff Drive, Suite 200 |               |                |                     |            |                 |            |                  |            |           |            |
| Address Line 4:  | San Diego, CALIFORNIA 92130       |               |                |                     |            |                 |            |                  |            |           |            |
| ATTORNEY DOCKET NUMBER:  | D2SIP041B                         |               |                |                     |            |                 |            |                  |            |           |            |
| NAME OF SUBMITTER:   | Grace Schulz                      |               |                |                     |            |                 |            |                  |            |           |            |
| Signature:   | /Grace Schulz/                    |               |                |                     |            |                 |            |                  |            |           |            |

OP \$40.00 13862472

PATENT

Date:

07/25/2013

Total Attachments: 2

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**ASSIGNMENT**

For good and valuable consideration, we, **Akira Fujimura**, residing at 15220 Sobey Road, Saratoga, California 95070, **Anatoly Aadamov**, residing at 101 Alma St., #501, Palo Alto, California 94301, **Eldar Khaliullin**, residing at 1863 Willow St., San Jose, California 95125, and **Ingo Bork**, residing at 115 Beacon St., Mountain View, California 94040;


Hereby sell, assign and transfer to **D2S, Inc.**, having a principal place of business at **4040 Moorpark Ave., #250, San Jose, California 95117**, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for a United States Patent, which was filed in the U.S. Patent and Trademark Office on April 15, 2013 and bears the Application No. 13/862,472 and is entitled:

**METHOD AND SYSTEM FOR FORMING PATTERNS USING CHARGED PARTICLE BEAM LITHOGRAPHY**



and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

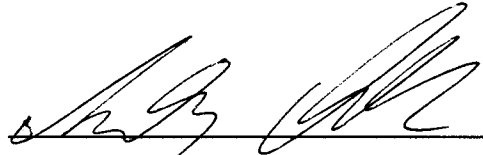
Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

  
\_\_\_\_\_  
Akira Fujimura

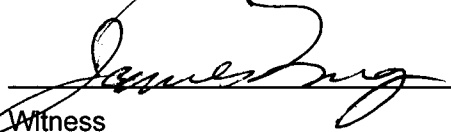
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Date

  
Anatoly Aadamov

07/24/13  
Date

  
Witness

7/24/13  
Date

Michael G. Tucker  
Witness

7/24/2013  
Date

EW  
Eldar Khaliullin

05/21/13  
Date

  
Witness

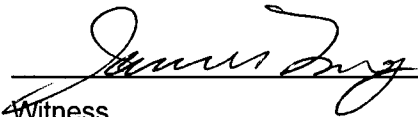
5/21/13  
Date

Michael G. Tucker  
Witness

5/21/2013  
Date

Leo Bork  
Ingo Bork

20-May-2013  
Date

  
Witness

5/20/2013  
Date

Michael G. Tucker  
Witness

5/20/2013  
Date