

## PATENT ASSIGNMENT

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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>Konstantin L. Vodopyanov</td><td>11/02/2007</td></tr><tr><td>Martin M. Fejer</td><td>11/02/2007</td></tr></tbody></table> | Name   | Execution Date | Konstantin L. Vodopyanov | 11/02/2007 | Martin M. Fejer | 11/02/2007 |  |
| Name   | Execution Date   |                |                          |            |                 |            |  |
| Konstantin L. Vodopyanov   | 11/02/2007   |                |                          |            |                 |            |  |
| Martin M. Fejer  | 11/02/2007   |                |                          |            |                 |            |  |
| RECEIVING PARTY DATA   |  |                |                          |            |                 |            |  |
| Name:  | The Board of Trustees of the Leland Stanford Junior University |                |                          |            |                 |            |  |
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| State/Country:   | CALIFORNIA   |                |                          |            |                 |            |  |
| Postal Code:   | 94306-1106   |                |                          |            |                 |            |  |
| 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>11357722</td></tr></tbody></table>   | Property Type  | Number         | Application Number:      | 11357722   |                 |            |  |
| Property Type  | Number   |                |                          |            |                 |            |  |
| Application Number:  | 11357722   |                |                          |            |                 |            |  |
| CORRESPONDENCE DATA  |  |                |                          |            |                 |            |  |
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| Correspondent Name:  | David S Alavi  |                |                          |            |                 |            |  |
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| ATTORNEY DOCKET NUMBER:  | MCTC01NP   |                |                          |            |                 |            |  |
| NAME OF SUBMITTER:   | David S Alavi Reg No 40310                                     |                |                          |            |                 |            |  |
| Total Attachments: 2<br>source=MCTC01NP KV-MF-stanford assignment#page1.tif<br>source=MCTC01NP KV-MF-stanford assignment#page2.tif   |  |                |                          |            |                 |            |  |

OP \$40.00 11357722

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PATENT  
REEL: 020305 FRAME: 0458

## ASSIGNMENT

WHEREAS, I/we, Konstantin L. Vodopyanov, residing at 1093 Lenor Way, San Jose, California 95128; and Martin M. Fejer, residing at 120 East Creek Drive, #9, Menlo Park, California 94025 made certain new and useful inventions and improvements for which we herewith file an application for Letters Patent of the United States; which is entitled: **GENERATION OF TERAHERTZ RADIATION IN ORIENTATION-PATTERNED SEMICONDUCTORS (DOCKET NO. MCTC01NP)**, which was filed on February 17, 2006, and assigned patent application USPTO Serial Number 11/357,722.

AND WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 1705 El Camino Real, Palo Alto, California 94306-1106 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

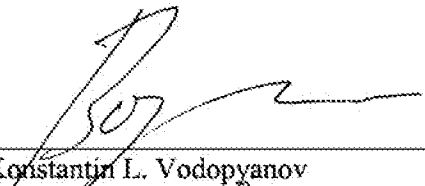
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions,

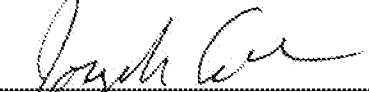
applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

2 - November - 2007.  
(day) (month) (year)

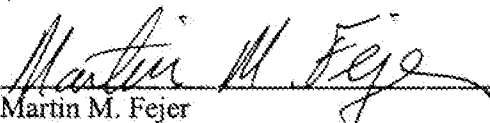
  
Konstantin L. Vodopyanov

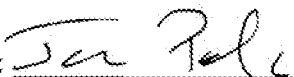
Witnessed by: 

Witnessed by: Joseph Schaar

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

2 - November - 2007.  
(day) (month) (year)

  
Martin M. Fejer

Witnessed by: 

Witnessed by: Jason