

## 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>JAMES A. LOTT</td> <td>03/15/2011</td> </tr> <tr> <td>NIKOLAI LEDENTSOV</td> <td>03/15/2011</td> </tr> <tr> <td>VITALY SHCHUKIN</td> <td>03/15/2011</td> </tr> </tbody> </table> |                               | Name          | Execution Date | JAMES A. LOTT       | 03/15/2011 | NIKOLAI LEDENTSOV | 03/15/2011 | VITALY SHCHUKIN | 03/15/2011 |
| Name   | Execution Date                |               |                |                     |            |                   |            |                 |            |
| JAMES A. LOTT  | 03/15/2011                    |               |                |                     |            |                   |            |                 |            |
| NIKOLAI LEDENTSOV  | 03/15/2011                    |               |                |                     |            |                   |            |                 |            |
| VITALY SHCHUKIN  | 03/15/2011                    |               |                |                     |            |                   |            |                 |            |
| RECEIVING PARTY DATA   |                               |               |                |                     |            |                   |            |                 |            |
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| Postal Code:   | RI-194242                     |               |                |                     |            |                   |            |                 |            |
| 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>12951667</td> </tr> </tbody> </table>  |                               | Property Type | Number         | Application Number: | 12951667   |                   |            |                 |            |
| Property Type  | Number                        |               |                |                     |            |                   |            |                 |            |
| Application Number:  | 12951667                      |               |                |                     |            |                   |            |                 |            |
| CORRESPONDENCE DATA  |                               |               |                |                     |            |                   |            |                 |            |
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| ATTORNEY DOCKET NUMBER:  | XVIS-9292 PCT US              |               |                |                     |            |                   |            |                 |            |
| NAME OF SUBMITTER:   | RALPH E. LOCHER               |               |                |                     |            |                   |            |                 |            |
| Total Attachments: 1<br>source=XVIS-9292 PCTUS-signed assignment#page1.tif   |                               |               |                |                     |            |                   |            |                 |            |

OP \$40.00 12951667

PATENT

**ASSIGNMENT**

WHEREAS We, <sup>A.</sup> **JAMES LOTT, NIKOLAI LEDENTSOV** and **VITALY SHCHUKIN**, all residing at Berlin, Germany, have invented certain new and useful improvements in a

**METHOD FOR ATTACHING OPTICAL COMPONENTS ONTO SILICON-BASED INTEGRATED CIRCUITS**

described in international application PCT/US2009/045041, filed May 22, 2009, and for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, **CONNECTOR OPTICS LLC**, a Russian limited liability company doing business at St. Petersburg, Russia, is desirous of acquiring the entire interest in the invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said limited liability company, its legal representatives, successors and assigns, the full and exclusive right to the said invention as fully set forth and described in the above-mentioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said limited liability company, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by us, had this assignment and sale not been made.

AND WE hereby authorize the Commissioner for Patents to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said limited liability company as the assignee of the entire right, title and interest in and to the same.

*L. v. Berg*  
Witness

*[Signature]*  
JAMES LOTT

(L.S.) 15 MARCH 2011  
Date

*L. v. Berg*  
Witness

*[Signature]*  
NIKOLAI LEDENTSOV

(L.S.) 15.03.2011  
Date

*L. v. Berg*  
Witness

*[Signature]*  
VITALY SHCHUKIN

(L.S.) 15.03.2011  
Date