

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ilya Fushman</td> <td>06/04/2008</td> </tr> <tr> <td>Dirk Englund</td> <td>06/05/2008</td> </tr> <tr> <td>Andrei Faraon</td> <td>06/04/2008</td> </tr> <tr> <td>Jelena Vuckovic</td> <td>06/04/2008</td> </tr> </tbody> </table>		Name	Execution Date	Ilya Fushman	06/04/2008	Dirk Englund	06/05/2008	Andrei Faraon	06/04/2008	Jelena Vuckovic	06/04/2008
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (651)686-7111</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 651-686-6633</p> <p>Email: waltigney@ip-firm.com</p> <p>Correspondent Name: CRAWFORD MAUNU PLLC</p> <p>Address Line 1: 1150 NORTHLAND DRIVE</p> <p>Address Line 2: STE 100</p> <p>Address Line 4: SAINT PAUL, MINNESOTA 55120</p>											
ATTORNEY DOCKET NUMBER:	STFD.173PA										
NAME OF SUBMITTER:	Robert J. Crawford, Esq.										

CH \$40.00 12134414

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**PATENT**  
**REEL: 021583 FRAME: 0627**

Total Attachments: 5

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## ASSIGNMENT

WHEREAS, We, Ilya Fushman, residing at 215 Swain Way, Palo Alto, California 94304; Andrei Faraon, residing at 408 Grant Ave., Apt. 105, Palo Alto, California 94306; Jelena Vuckovic, residing at 279 Swain Way, Palo Alto, California 94304; and Dirk Englund, residing at 621 Escondido Road, Stanford, CA 94305 made certain new and useful inventions and improvements for which we herewith executed an application for Letters Patent of the United States; which is entitled: **OPTICAL CAVITY EMITTER ARRANGEMENTS WITH SPECTRAL ALIGNMENT AND METHODS THEREFOR** (Attorney Docket No.: STFD.173PA).

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, conversions 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:

04 - 06 - 2008  
(day) (month) (year)

\_\_\_\_\_/Ilya Fushman/  
Ilya Fushman

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

\_\_\_\_ - \_\_\_\_ - 2008  
(day) (month) (year)

\_\_\_\_\_  
Andrei Faraon

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

       -                      -   2008    
(day)                      (month)                      (year)

\_\_\_\_\_  
Jelena Vuckovic

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

  5   -       6       -   2008    
(day)                      (month)                      (year)

\_\_\_\_\_/Dirk Englund/  
Dirk Englund

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\_\_\_\_\_  
Ilya Fushman

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

04 - June - 2008  
(day) (month) (year)

\_\_\_\_/Andrei Faraon/  
Andrei Faraon

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

04 - 06 - 2008  
(day) (month) (year)

\_\_\_\_\_/Jelena Vuckovic/\_\_\_\_\_  
Jelena Vuckovic