

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Nicola Schulz</td> <td>09/20/2010</td> </tr> <tr> <td>Marcel Rattunde</td> <td>09/20/2010</td> </tr> <tr> <td>Joachim Wagner</td> <td>09/20/2010</td> </tr> <tr> <td>Benno Rosener</td> <td>09/20/2010</td> </tr> </tbody> </table>		Name	Execution Date	Nicola Schulz	09/20/2010	Marcel Rattunde	09/20/2010	Joachim Wagner	09/20/2010	Benno Rosener	09/20/2010
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Nicola Schulz	09/20/2010										
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Benno Rosener	09/20/2010										
RECEIVING PARTY DATA											
Name:	Fraunhofer-Gesellschaft Zur Forderung Der Angewandten Forschung E.V.										
Street Address:	Hansastrasse 27C										
City:	Munchen										
State/Country:	GERMANY										
Postal Code:	80686										
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>12855767</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12855767						
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Application Number:	12855767										
CORRESPONDENCE DATA											
Fax Number:	(617)426-2275										
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NAME OF SUBMITTER:	Matthew E. Connors										
Total Attachments: 4											

OP \$40.00 12855767

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**PATENT
 REEL: 025060 FRAME: 0343**

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ASSIGNMENT

Know all men by these presents that:

WHEREAS we, Nicola Schulz
Johanna-Kohlund-Strasse 10
7911a Freiburg
DE

and

Marcel Rattunde
Gumpensteige 12
79104 Freiburg
DE

and

Joachim Wagner
Seilerweg 55
79108 Freiburg
DE

and

Benno Rösener
Schwimmbadstrasse 46
79100 Freiburg
DE

have made an invention for

INFRARED SEMICONDUCTOR LASER

described in the application filed with the United States Patent and Trademark Office on August 13, 2010 as Serial No. 12/855,767. This application is a Continuation of PCT Application No. PCT/EP2009/001066, filed February 16, 2009, which claims priority to German Patent Application Number 102008009412.9 filed February 15, 2008, and

WHEREAS FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., a corporation duly organized and existing under the laws of Munchen, Germany, and having a place of business at Hansastrasse 27c, 80686, Munchen, Germany, for the benefit of itself, its successors and assigns, all inclusively hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to the said invention, the said application, all inventions disclosed in said application and any and all Letters Patent of the United States and of all other countries which may be granted for the said invention or inventions, or any of them;

NOW, THEREFORE, for good and valuable consideration provided by said Assignee, the receipt whereof is hereby acknowledged, we do hereby sell, assign and transfer to the said Assignee the entire right, title and interest in and to the said invention, inventions and application, including all priority rights arising therefrom, all inventions disclosed in said application, and any and all Letters Patent of the United States, and of all other countries, together with the right to apply for such Letters Patent, which may be granted for the said invention, inventions or any of them,

TO HAVE, HOLD AND ENJOY the said invention, the said application, and the said Letters Patent, to said

**FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN
FORSCHUNG E.V.**

its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

AND we hereby authorize and request the Commissioner of Patents of the United States and the appropriate officers of all foreign patent offices to issue any and all Letters Patent which may be granted on the said application or applications above referred to, or for the said invention, or any of them, to the said Assignee in accordance with the terms of this instrument.

AND we hereby agree to execute and sign without further consideration any other legal document and any other assignments and any divisional, continuing, renewal, reissue or other application in and for all patents that may be appropriate and may be deemed necessary by the Assignee fully to secure to said Assignee its interests as aforesaid in and to the said invention or any part thereof and in and to the said patents or any of them.

AND we further covenant and agree that we will at any time upon request communicate to the said Assignee, its successors, assigns or other legal representatives, any facts known to us relating to the said invention and any patent that may be granted thereon, and will testify as to the same in any interference or litigation when requested to do so.

AND we hereby covenant for ourselves and our legal representatives that we have not hitherto assigned or granted any license to make, use or sell said invention, and that we will not henceforth purport to assign, license or execute any instrument to that effect in conflict with this assignment.

Sep 20, 2010
Date

N. Schulz
Nicola Schulz

Date

Marcel Rattunde

Date

Joachim Wagner

Date

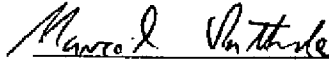
Bernd Rösener

Date

Nicola Schulz

20.9.2010

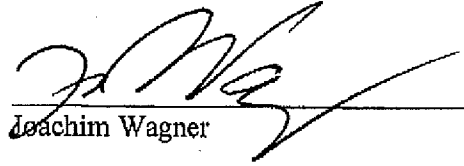
Date



Marcel Rattunde

20.9.2010

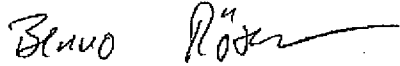
Date



Joachim Wagner

20.9.2010

Date



Benno Rösener