

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>Chia-Chen FAN</td> <td>06/18/2012</td> </tr> <tr> <td>Joanne Sarah WILSON</td> <td>08/13/2012</td> </tr> <tr> <td>Antonius Maria Bernardus VAN MOL</td> <td>08/13/2012</td> </tr> <tr> <td>Stephan HARKEMA</td> <td>08/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chia-Chen FAN	06/18/2012	Joanne Sarah WILSON	08/13/2012	Antonius Maria Bernardus VAN MOL	08/13/2012	Stephan HARKEMA	08/14/2012
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CORRESPONDENCE DATA											
<p>Fax Number: 2028243001</p> <p>Email: csmits@bannerwitcoff.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Banner & Witcoff</p> <p>Address Line 1: 1100 13th Street N.W.</p> <p>Address Line 2: Suite 1200</p> <p>Address Line 4: Washington D.C., DISTRICT OF COLUMBIA 20005</p>											
ATTORNEY DOCKET NUMBER:	007938.00018										
NAME OF SUBMITTER:	Benjamin C. Spehlmann										
<p>Total Attachments: 2</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p>											

CH \$40.00 13389058

Application No: 13/389,058

BW: 007938.00018

ASSIGNMENT

WHEREAS, WE, Chia-Chen FAN, residing in the Netherlands, Joanne Sarah WILSON, residing in the Netherlands, Antonius Maria Bernardus VAN MOL, residing in the Netherlands, and Stephan HARKEMA, residing in the Netherlands (ASSIGNORS), are the inventors of certain inventions and improvements described in a U.S. patent application identified by having the title:

OPTO-ELECTRIC DEVICE AND METHOD FOR MANUFACTURING THE SAME

which application was filed as U.S. Application Serial Number 13/389,058 on February 6, 2012, and filed as PCT International Application PCT/NL2010/050498 (published as WO 2011/016724 A1) on August 6, 2010.

and WHEREAS

Nederlandse Organisatie voor toegepast-
natuurwetenschappelijk onderzoek TNO
Schoemakerstraat 97
2628 VK Delft
The Netherlands

ASSIGNEE, desires to acquire the entire right, title and interest in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named ASSIGNEE, its successors, assign and legal representatives (NOMINEES) the entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

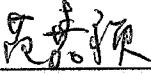

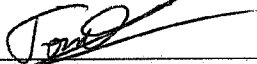
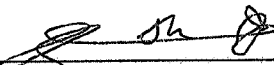
And we covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting

said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And we authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And we hereby grant our attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

Date: ²⁰¹² <u>6/18</u>	Inventor: <u></u> Chia-Chen FAN
Date: <u>13/8/2012</u>	Inventor: <u></u> Joanne Sarah WILSON
Date: <u>13/8/2012</u>	Inventor: <u></u> Antonius Maria Bernardus VAN MOL
Date: <u>14/8/2012</u>	Inventor: <u></u> Stephan HARKEMA

Note: No legalization or other witness required.