

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dr. Christopher H. Grein</td> <td>05/12/2004</td> </tr> <tr> <td>Dr. Silviu Velicu</td> <td>05/10/2004</td> </tr> <tr> <td>Dr. Sivalingam Sivananthan</td> <td>05/10/2004</td> </tr> </tbody> </table>		Name	Execution Date	Dr. Christopher H. Grein	05/12/2004	Dr. Silviu Velicu	05/10/2004	Dr. Sivalingam Sivananthan	05/10/2004
Name	Execution Date								
Dr. Christopher H. Grein	05/12/2004								
Dr. Silviu Velicu	05/10/2004								
Dr. Sivalingam Sivananthan	05/10/2004								
RECEIVING PARTY DATA									
Name:	EPIR Technologies, Inc.								
Street Address:	590 Territorial Dr., Unit B								
City:	Bolingbrook								
State/Country:	ILLINOIS								
Postal Code:	60440								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10354687</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10354687				
Property Type	Number								
Application Number:	10354687								
CORRESPONDENCE DATA									
Fax Number:	(630)990-4511								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	630								
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Address Line 4:	Oak Brook, ILLINOIS 60523								
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Total Attachments: 2 source=EPIRTech_AssgtPage_1#page1.tif source=EPIRTech_AssgtPage_2#page1.tif									

CH \$40.00 10354687

ASSIGNMENT

WHEREAS, I, one of the undersigned joint inventors, of residence as listed, having invented certain new and useful improvements as below entitled, for which I have applied for a United States patent, said application having been assigned serial no. 10/354,687 and having been executed on the date set forth below; and

WHEREAS, EPIR Technologies, Inc. (hereinafter referred to as "Assignee"), a corporation of the State of Illinois, with an address of 590 Territorial Drive, Unit B, Bolingbrook, Illinois 60440, desires to acquire our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, and continuations-in-part thereof; and we authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention insofar as my interest is concerned, to Assignee.

We also assign to Assignee, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications for and obtain patents, utility models, industrial models and designs for said invention in EPIR Technologies, Inc.'s own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention: NONEQUILIBRIUM PHOTODECTOR
WITH SUBERLATTICE EXCLUSION
LAYER

Patent Application Serial No.: 10/354,687

Attorney Docket No.: 303176-00003

Signature of Inventor:  _____

Inventor's Name: Christopher H. GREIN

Residence (City, Province or State, Country): 230 Bates Street
Wheaton, Illinois 60187

Date of Assignment: 5/12/2004

Date Application Executed: December 20, 2002

Signature of Inventor:  _____

Inventor's Name: Silviu VELICU

Residence (City, Province or State, Country): 821 S. Williams, A402
Westmont, Illinois 60559

Date of Assignment: 05/10/04

Date Application Executed: December 20, 2002

Signature of Inventor:  _____

Inventor's Name: Sivalingam SIVANANTHAN

Residence (City, Province or State, Country): 1416 Dunrobin Road
Naperville, Illinois 60540

Date of Assignment: 5/10/04

Date Application Executed: December 24, 2002