

## PATENT ASSIGNMENT

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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>Ilavarasan M. Palaniappa</td> <td>06/10/2013</td> </tr> <tr> <td>Vinayak Reddy Panavala</td> <td>06/10/2013</td> </tr> <tr> <td>Mickiel P. Fedde</td> <td>06/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ilavarasan M. Palaniappa	06/10/2013	Vinayak Reddy Panavala	06/10/2013	Mickiel P. Fedde	06/10/2013
Name	Execution Date								
Ilavarasan M. Palaniappa	06/10/2013								
Vinayak Reddy Panavala	06/10/2013								
Mickiel P. Fedde	06/10/2013								
RECEIVING PARTY DATA									
Name:	Ironwood Electronics, Inc.								
Street Address:	1335 Eagandale Court								
City:	Eagan								
State/Country:	MINNESOTA								
Postal Code:	55121								
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>13916025</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13916025				
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Application Number:	13916025								
CORRESPONDENCE DATA									
Fax Number:	6123051228								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	612-305-1216								
Email:	swigant@mrgiplaw.com								
Correspondent Name:	Mark J. Gebhardt								
Address Line 1:	PO Box 581336								
Address Line 4:	Minneapolis, MINNESOTA 55458-1336								
ATTORNEY DOCKET NUMBER:	267.00170101								
NAME OF SUBMITTER:	Mark J. Gebhardt								
Signature:	/Mark J. Gebhardt/								
Date:	06/12/2013								
Total Attachments: 3 source=17-assign#page1.tif source=17-assign#page2.tif source=17-assign#page3.tif									

CH \$40.00 13916025

ASSIGNMENT

Whereas We, Ilavarasan M. Palaniappa, Vinayak Reddy Panavala, and Mickiel P. Fedde, with residences and citizenships as indicated below; have made an invention in

ADAPTER APPARATUS WITH DEFLECTABLE ELEMENT SOCKET CONTACTS

Filed: Herewith

Application No.: Unassigned

and executed an application for Letters Patent of the United States of America based thereon;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto Ironwood Electronics, Inc. ("Company"), a corporation of Minnesota, having its principal office at 1335 Eagandale Court, Eagan MN 55121, USA, its successors and assigns, the entire right, title, and interest in and to said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in said invention made by us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by the Company of whichever of us, solely or jointly with one or more others, has made the same), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by us or any of us had this assignment and transfer not been made;

We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to Ironwood Electronics, Inc. as the assignee of the entire right, title, and interest therein.

In witness whereof, we have hereunto signed our names on the days and years set forth below.

*PM. Ilavarasan*

6/10/13

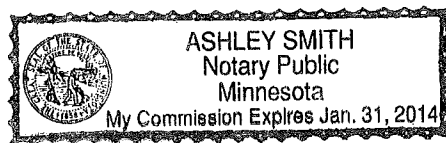
Name: Ilavarasan M. Palaniappa  
Address: 13312 Couchtown Ct.  
Rosemount, MN 55068  
Citizenship: US

Date

STATE OF Minnesota )  
COUNTY OF Dakota ) ss.

On this 10 day of June 2013 before me personally appeared Ilavarasan M. Palaniappa, to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.

*Ashley Smith*  
Notary Public



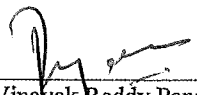
**Assignment**

Application No.: Unassigned

Filed: Herewith

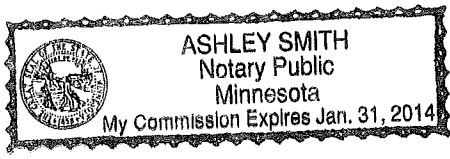
For: ADAPTER APPARATUS WITH DEFLECTABLE ELEMENT SOCKET CONTACTS

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Name: Vinayak Reddy Panavala  
Address: 4680 Bulrush Blvd.  
Shakopee, MN 55379  
Citizenship: IN

Date 6/10/13

STATE OF Minnesota )  
COUNTY OF Dakota ) ss.



On this 10 day of June 20B before me personally appeared Vinayak Reddy Panavala, to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.

**Assignment**

Application No.: Unassigned

Filed: Herewith

For: ADAPTER APPARATUS WITH DEFLECTABLE ELEMENT SOCKET CONTACTS

Mickiel P. Fedde  
Name: Mickiel P. Fedde

6/10/13  
Date

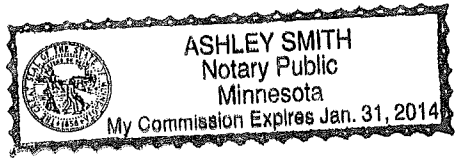
Address: 1662 Norwood Drive

Eagan, MN 55122

Citizenship: US

STATE OF Dakota - Minnesota

COUNTY OF Dakota ) ss.



On this \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, before me personally appeared Mickiel P. Fedde, to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.