

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4247006

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ILAVARASAN M. PALANIAPPA	01/27/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IRONWOOD ELECTRONICS, INC.
<b>Street Address:</b>	1335 EAGANDALE COURT
<b>City:</b>	EAGAN
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55121
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15417673
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)305-1225
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	612-305-1220
<b>Email:</b>	cberling@mrgiplaw.com
<b>Correspondent Name:</b>	MUETING, RAASCH & GEBHARDT, P.A.
<b>Address Line 1:</b>	111 THIRD AVE SOUTH - SUITE 350
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55401
<b>ATTORNEY DOCKET NUMBER:</b>	267.00200101
<b>NAME OF SUBMITTER:</b>	MARK J. GEBHARDT
<b>SIGNATURE:</b>	/Mark J. Gebhardt/
<b>DATE SIGNED:</b>	01/27/2017
<b>Total Attachments: 2</b>	
source=Assignment-amended#page1.tif	
source=Assignment-amended#page2.tif	

**ASSIGNMENT**

Whereas I, **Havarasan M. Palaniappa**, with residence and citizenship as indicated below, have made an invention in

**ADAPTER APPARATUS WITH SOCKET CONTACTS HELD IN OPENINGS BY HOLDING STRUCTURES**

Filed: ~~Herewith~~ **January 27, 2017**

U.S. Application Serial No.: ~~Unassigned~~ **15/417,673**

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

Now, therefore, for good and valuable consideration, receipt and sufficiency of which are hereby acknowledged, I have individually 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 Ct., Eagan, Minnesota 55121**, 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 me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment by the Company), 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 me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I 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 I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted upon any of said applications, to **Ironwood Electronics, Inc.** as the assignee of the entire right, title, and interest therein.

Further, I covenant and agree with the Assignee, and its successors and assigns, that I have not assigned, granted, mortgaged, licensed, or executed any other agreement affecting the rights and property herein conveyed to others and that I possess the full right to convey these rights and property as herein expressed.

I and the Assignee authorize and empower **Mueting, Raasch & Gebhardt, P.A.**, whose complete address is **111 Third Avenue South, Suite 350, Minneapolis, MN 55401, USA**, to insert on this Assignment any further identification, to prepare any translation that may be necessary or desirable to comply with the rules for recordation of this document in any country, and to correct any clerical error in this assignment.

Assignment

Application No. ~~Unassigned~~ 15/447,673

Filing Date: Herewith

For: ADAPTER APPARATUS WITH SOCKET CONTACTS HELD IN OPENINGS BY HOLDING STRUCTURES

In witness whereof, I have hereunto signed my name on the day and year set forth below.

PM. Havarasan M. Palaniappa

Jan 27, 2017

Name: Havarasan M. Palaniappa  
Address: 1334 76<sup>th</sup> Street West  
Inver Grove Heights, MN 55077  
Citizenship: US

Date

STATE OF Minnesota )  
COUNTY OF Dakota ) ss.

On this 27 day of January 2017, before me personally appeared Havarasan 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.

Sahin Mansoor

Notary Public

