To the Honorable Commissioner of Patents

1. Name of conveying party(ies):
   Michael J. TULLY
   Ranjit R. PATIL
   Additional name(s) of conveying party(ies) attached? _Yes _No

2. Name and address of receiving party(ies):
   Name: Ironwood Electronics, Inc.
   Street Address: 990 Lone Oak Road, Suite 120
   City: Eagan State: MN ZIP: 55121
   Additional name(s) & address(es) attached? _Yes _No

3. Nature of conveyance:
   X Assignment _ Merger
   _ Security Agreement _ Change of Name
   _ License _ Other ________________

Execution Date: 24 March 2005

4. Application number(s) or patent number(s):
   If this document is being filed together with a new application, the execution date of the application is: 24 March 2005
   A. Patent Application No(s).
   B. Patent No(s).

Title: SURFACE MOUNT ADAPTER APPARATUS AND METHODS REGARDING SAME

Additional numbers attached? _Yes _No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Mark J. GEBHARDT
   Address: MUETING, RAASCH & GEBHARDT, P.A.
   P.O. Box 581415
   Minneapolis, MN 55458-1415
   Customer Number 26813

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR §3.41): $ 40.00
   __ Enclosed
   X Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to Deposit account number: 13-4895

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   Mark J. GEBHARDT Reg. No. 35,518
   Name of Person Signing

   ________________________________
   Signature

   24 March 2005
   Date

Total number of pages including cover sheet, attachments, and document(s): 3

Mail documents to be recorded with required cover sheet information to:
   Mail Stop Assignment Recordation Services
   Director, United States Patent and Trademark Office
   P.O. Box 1450
   Alexandria, VA 22313-1450

PATENT
REEL: 016423 FRAME: 0114
ASSIGNMENT

Whereas We, Michael J. TULLY and Ranjit R. PATIL, with residences and citizenships as indicated below;

have made an invention in

***SURFACE MOUNT ADAPTER APPARATUS AND METHODS REGARDING SAME***

Filed: Herewith

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

Now, therefore, for good and valuable consideration, receipt of which is 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 990 Lone Oak Road, Suite 120, Eagan, MN 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 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.

Name: Michael J. TULLY
Address: 4024 Drew Avenue South, Minneapolis, Minnesota 55410
United States of America
Citizenship: United States of America
STATE OF
COUNTY OF

On this 24 day of March, 2005, before me personally appeared Michael J. TULLY, 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.

Sylvia V. Kelly
Notary Public

Notary Public—Minnesota
My Commission Expires Jan. 30, 2009
Assignment
Serial No. Unassigned
Filed: Herewith
For: SURFACE MOUNT ADAPTER APPARATUS AND METHODS REGARDING SAME

Name: Ranjit R. PATIL
Address: 3035 Eagandale Place, Apartment 319, Eagan, Minnesota 55121
United States of America
Citizenship: India

STATE OF Minnesota
COUNTY OF Dakota

On this 24 day of March 2005, before me personally appeared Ranjit R. PATIL, 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.

Sylvia V. Kelly
Notary Public

Sylvia V. Kelly
Notary Public-Minnesota

RECORDED: 03/24/2005
PATENT
REEL: 016423 FRAME: 0116