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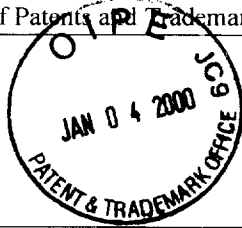
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Martin Morris
Rajiv Kumar
Lyn Nguyen
Hiep Pham



2. Name and address of receiving party(ies):
Widcomm, Inc.
9645 Scranton Road
San Diego, California 92121

3. Nature of Conveyance:

[X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other:

Additional name(s) attached? [] Yes [X] No

Execution Date: 11/08/99

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:

A. Patent Application No.(s)
09/347,894

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Kevin J. Zimmer
Cooley Godward LLP
4365 Executive Drive
Suite 1100
San Diego, CA 92121-2128

6. Total number of application and patents involved: 1

7. Total Fee (37 CFR 3.41).....\$40.00
[X] Enclosed

[] Authorized to be charged to deposit account

8. Deposit account number: 03-3117
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Reg. No.: 36,977 Name of Person Signing: Kevin J. Zimmer

Signature: [Handwritten Signature] Date: 1/4/00
Total number of pages including cover sheet, attachments, and document: 3

Express Mail Label No. EL415391555US Date of Deposit: January 4, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Honorable Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231.

Date: Jan 4, 2000 By: Stephanie Sharrett
Stephanie Sharrett

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PATENT
REEL: 010474 FRAME: 0258

ASSIGNMENT**Whereas,**

Martin Morris residing in San Diego, California;
Rajiv Kumar residing in San Diego, California;
Lyn Nguyen residing in San Diego, California;
Hiep Pham residing in San Diego, California;
(hereinafter referred to individually and collectively as "Inventor") have made an invention relating to certain new and useful improvements in:

DISTRIBUTED MANAGEMENT OF AN EXTENDED NETWORK CONTAINING
SHORT-RANGE WIRELESS LINKS

and executed therefor an Application for Letters Patent of the United States and

[] having an oath or declaration executed on even date herewith;
[X] bearing Serial No. 09/347,894 and filed on July 6, 1999
[] issued as a Patent No. ___ on ___

Whereas, Widcomm, Inc. (hereinafter "Assignee"), a corporation of California, and having a principal place of business at 9645 Scranton Road, San Diego, CA 92121, is desirous of acquiring the entire right, title, and interest in and to said invention, said Application, and the Letters Patent to be obtained therefor:

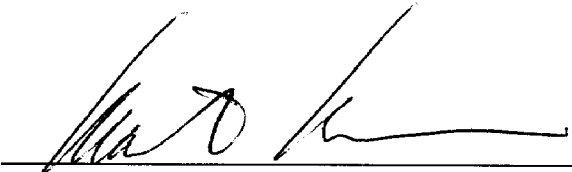
Now, therefore, for and in consideration of One Dollar and other good and valuable considerations, to Inventor in hand paid, the receipt and sufficiency whereof are hereby acknowledged, Inventor has sold, assigned, and set over and by these presents does hereby sell, assign, and set over unto Assignee and Assignee's legal representatives, successors and assigns, the entire right, title, and interest in and to said invention, said Application and any other application, domestic or foreign, that claims said invention, as well as any Letters Patent, domestic or foreign, that may or shall issue thereon; and Inventor does hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned Assignee agreeably with the terms of this Assignment.

The terms "Application" and "Application for Letters Patent" as used herein include both provisional and non-provisional applications.

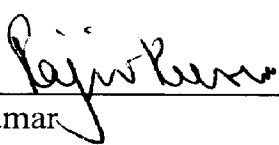
Inventor hereby authorizes the above-mentioned Assignee or its legal representative to insert in this instrument the filing date and serial number of said Application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, Inventor conveys to Assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of the United States application (or other application if any there be) in priority to other applications; and **Inventor does hereby covenant** and agree with Assignee that Inventor will not execute any writing or do any act whatsoever conflicting with these presents, and that Inventor will at any time upon request, without further or additional consideration, but at the expense of Assignee, execute such additional assignments and other writings and do such additional acts as Assignee may deem necessary or desirable to perfect Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuation-in-part, renewal, reexamined, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of both parties.

Date: 11/8/99

By: 
Martin Morris

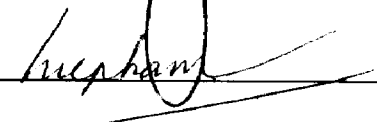
Date: 11/8/99

By: 
Rajiv Kumar

Date: 11/8/99

By: 
Lyn Nguyen

Date: 11/05/99

By: 
Hiep Pham