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 Rayadurgam Ravikanth--Dimitry Haskin
 Kenneth J. Schroder--Zbigniew Opalka
 Mukesh Chatter
 Peter Marconi
 Jeffrey Parker
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
 Name: Axiowave Networks, Inc.
 Internal Address: _____
 Street Address: 200 Nickerson Road
 City: Marlborough State: MA ZIP: 01752
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
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Execution Date: December 21, 2001

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)

B. Patent No.(s)

USSN 10/034,020, December 28, 2001

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Robert H. Rines, Esquire
 Internal Address: Rines and Rines
 Street Address: 81 North State Street
 City: Concord State: NH ZIP: 03301

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):..... \$40.00

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ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS:

That Whereas we, Rayadurgam Ravikanth, of 88 Seminole Road, Acton, MA 01720, Kenneth J. Schroder, of 115 Bishops Forest Drive, Waltham, MA, Mukesh Chatter of 6 Gina Drive, Hopkinton, MA 01749, Peter Marconi of 7 Andrea Drive, Hopkinton, MA 01748, Jeffrey Parker of 67 Lewis Street, Newton, MA 02458, Dimitry Haskin of 7 Garfield Lane East, Andover, MA 01810 and Zbigniew Opalka of 25 Quarry Lane, Harvard, MA 01451 02452-8800, have invented certain improvements in "Method of and Operating Architectural Enhancement For Combining Optical (Photonic) And Data Packet-based Electrical Switch Fabric Networks With A Common Software Control Plane While Providing Increased Utilization of Such Combined Networks", and have described and claimed the same in an application for Letters Patent of the United States therefor, said application having been executed by us of even date herewith; and filed in the USPTO on December 28, 2001--USSN 10/034,020

Whereas, Axiowave Networks, Inc., a corporation duly organized under the laws of Delaware and having a principal place of business at 200 Nickerson Road, Marlborough, Massachusetts, hereinafter called the Company, is desirous of acquiring the entire and exclusive right, title and interest of, to and under the said invention, the said application for Letters Patent of the United States and any and all Letters Patent of the United States and of all other countries that may be granted for the said invention;

Now, Therefore, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations to us paid by the Company, the receipt of which in full is hereby acknowledged, we, the Rayadurgam Ravikanth and Kenneth J. Schroder have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over unto the company, its respective successors and assigns, the entire and exclusive right, title and interest in, to and under the said invention, the said application for Letters Patent of the United States and all other countries that may be granted for the said invention, and all other patent rights that may be based thereon, including all renewals, divisions, reissues, continuations, and extensions thereof;

To Have, Hold and Enjoy the same to the Company, its successors and assigns, to its and their own use and behoof, to the full end of the term or terms for which the said Letters Patent or other patent rights may be granted, as fully and entirely as the same might have been held and enjoyed by us if no sale or assignment thereof had been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks or other proper governmental authority to issue all Letters Patent or other patent rights for the said invention resulting therefrom to the Company, its successors and assigns, in accordance with this assignment, as assignee of the entire right, title and interest therein and thereto, and covenant that we have full right so to do.

And for the considerations aforesaid, we agree that we will communicate to the Company, or its representatives, any facts known to us respecting the said invention, whenever requested, and will testify in any legal proceeding, sign all lawful papers, make all rightful oaths, and generally do everything possible to aid the Company, its successors, assigns and nominees, to obtain and enforce proper patent protection for the said invention in all countries, or to perfect or defend its or their title in the premises.

Witness our hands and seals at Marlborough, MA

this 21st day of December, 2001.

R. Ravikanth
Rayadurgam Ravikanth

Kenneth J. Schroder
Kenneth J. Schroder

Mukesh Chatter
Mukesh Chatter

Peter Marconi
Peter Marconi

Jeffrey Parker
Jeffrey Parker

Dimitry Haskin
Dimitry Haskin

Zbigniew Opalka
Zbigniew Opalka

ACKNOWLEDGMENT

Commonwealth of Massachusetts:

County of Middlesex ss.

On this 21 day of December, 2001, before me personally appeared, Rayadurgam Ravikanth, Kenneth J. Schroder, Rayadurgam Ravikanth, Kenneth J. Schroder, Mukesh Chatter, Peter Marconi, Jeffrey Parker, Dimitry Haskin and Zbigniew Opalka to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

Notary Public
Notary Public

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