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Attorney Docket Number
7981-009

TO THE h

AND TRADEMARKS

Box Assignment
Washington, DC 20231

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mohammed N. Islam

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: November 25, 1998

2. Name and address of receiving party(ies):

Name: Bandwidth Solutions, Inc.

Address: 2901 Hubbard Avenue, Ann Arbor, Michigan 48105

Country (if other than USA):

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) 09/110,696, filed July 7, 1998

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

PENNIE & EDMONDS LLP
1155 Avenue of the Americas
New York, NY 10036

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00
Please charge to the deposit account listed in Section 8.8. Deposit account number:
16-1150(12/08/1998 JSHADAZZ 00000099 161150 09110696)
01 EC:581 40.00 CH

DO NOT USE THIS SPACE

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.

Frank E. Morris

24,615

Name of Person Signing Reg. No.

Signature

December 1, 1998

Date

Total number of pages including cover sheet:

2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignment
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, I, Mohammed N. Islam, ASSIGNOR, citizen of the United States, residing at 2717 Holyoke Lane, Ann Arbor, Michigan 48103, am the inventor of the invention in BROADBAND SAGNAC RAMAN AMPLIFIERS AND CASCADE LASERS for which I have executed an application for a Patent of the United States

☒ which is executed on ☒ even date herewith or ☐ _____

☒ which is identified by Pennie & Edmonds LLP docket no. 7981-009

☒ which was filed on July 7, 1998, Application No. 09/110,696

and WHEREAS, Bandwidth Solutions, Inc. at 2901 Hubbard, Ann Arbor, Michigan 48105, ASSIGNEE is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:


NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

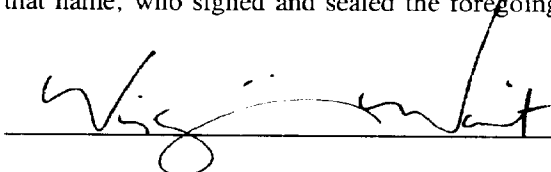
AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 25 day of November, 1998.

 L.S.

State of Michigan)
County of Washtenaw) SS.:

On this 25th day of November, 1998, before me, a Notary Public in and for the State and County aforesaid, personally appeared Mohammed N. Islam, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Notary Public.