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FORM PTO 1595  
1-31-92U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name and Address of Conveying Party(ies):

Mohammed A. Islam  
1408 Miner Circle  
Endicott, Broome County, New York  
Citizenship: United States of America

Additional name(s) of conveying party(ies) attached?

☒ Yes ☐ No

2 Name and Address of receiving Party(ies):

Name: Xtera Communications, Inc.

Internal Address: 500 West Bethany Drive

Street Address: 500 West Bethany Drive

City: Allen

State: Texas Zip: 75013-3704

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherAdditional name(s) &  
Address(es) attached?☐ Yes ☒ No

Execution Date: 02/05/2002

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): 09/719,591

B. Patent No.(s):

Additional Numbers ☐ Yes ☒ No

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

Name: Douglas M. Kubehl, Esq.  
Internal Address: BAKER BOTTS L.L.P.  
Street Address: 2001 Ross Avenue, Suite 600  
City: Dallas  
State: Texas Zip: 75201-2980

6. Total number of application and patents involved: One

7. Total Fee (37C.F.R. 3.41): \$40.00

☒ Enclosed  
☐ Authorized to be charged to 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.

Name Douglas M. Kubehl

Signature

Date March 4, 2002

Total number of pages including cover sheet

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## ASSIGNMENT

### WHEREAS,

- |  |   |   |
|--|---|---|
| 1. ISLAM, Mohammed N.<br>907 Twin Creeks Drive<br>Allen, TX 95013; | 2. ISLAM, Mohammed A.<br>1408 Miner Circle<br>Endicott, NY 13760; and | 3. SLAWSON, Michael R.<br>6260 Bannerhorn Run<br>Alpharetta, GA 30005 |
|--|---|---|

hereinafter termed "joint inventors," have invented certain new and useful inventions and improvements in

### FIBER-OPTIC COMPENSATION FOR DISPERSION, GAIN TILT, AND BAND PUMP NONLINEARITY

for which applications for patent have been filed:

on June 16, 1999, Patent Cooperative Treaty Patent Application No. PCTUS99/13551, Attorney Docket No. 20434-732;

on June 16, 1999, Canadian Patent Application No. 2335289, Attorney Docket No. 20434-733;

on June 16, 1999, EPO Patent Application No. 99930301.9, Attorney Docket No. 20434-734;

on June 16, 1999, Japanese Patent Application No. 00-555336, Attorney Docket No. 20434-735;

on December 12, 2000, United States Patent Application No. 09/719,591, Attorney Docket No. 20434-736; and

**WHEREAS**, I, the undersigned joint inventor, of residence as listed, having participated with the individuals named above in the invention of certain new and useful improvements as below entitled; and

**WHEREAS**, XTERA COMMUNICATIONS, INC. (hereinafter referred to as "Assignee"), a Delaware Corporation, with an address of 500 West Bethany Drive, Allen, Texas 75013-1225, desires to acquire my entire right, title and interest in and to the invention, and in and to the said applications and any Letters Patent that may issue thereon;

**NOW, THEREFORE**, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all of my right, title and interest in and to said invention and improvements and in and to the applications listed above and all patents which may be granted therefor including but not limited to patents issuing from any of the patent applications listed above, and including all provisionals, divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all of my right, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions and improvements in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said inventions and improvements and all rights to register said inventions and improvements in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all provisionals, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said inventions and improvements in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention: *Fiber-Optic Compensation for Dispersion, Gain Tilt, and Band Pump Nonlinearity*

Signature of Inventor:

Inventor's Name:

Mohammed A. Islam  
Mohammed A. Islam

Date Assignment executed:

2/5/02