

MAD
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FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
M&G- 2316.973US01

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

<p>1. Name of conveying party(ies):</p> <p>B. Barry Zhang Liang-Ju Lu</p>	<p>2. Name and address of receiving party(ies):</p> <p>ADC Telecommunications, Inc. 12501 Whitewater Drive Minnetonka, Minnesota 55343</p>
<p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: November 13, 1998 and November 19, 1998

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:

<p>A. Patent Application No.(s)</p> <p>09/179,588</p>	<p>B. Patent No.(s)</p>
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Additional numbers attached? Yes No

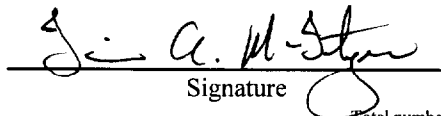
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Iain A. McIntyre Address: Merchant, Gould, Smith, Edell, Welter & Schmidt 3100 Norwest Center 90 South Seventh Street Minneapolis, MN 55402-4131</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725</p>
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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.

<p>Iain A. McIntyre Name of Person Signing</p>	 Signature	<p>December 16, 1998 Date</p>
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Total number of pages including cover sheet, attachments, and document: 5

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PATENT
REEL: 9653 FRAME: 0994

ASSIGNMENT

WHEREAS, we, B. Barry Zhang, residing at 10 Stonicker Drive, Lawrenceville, New Jersey 08648 and Liang-Ju Lu, residing at 15815 Scenic Heights Road, Eden Prairie, Minnesota 55344, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on October 27, 1998, which is entitled MULTIPLE PORT, FIBER OPTIC ISOLATOR, Attorney Docket No. 2316.973-US-01.

AND WHEREAS, ADC Telecommunications, Inc., a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 12501 Whitewater Drive, Minnetonka, Minnesota 55343 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be

necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 17th day of

November, 1998.

B. Barry Zhang

B. Barry Zhang

STATE OF New Jersey)
) ss.
COUNTY OF Mercer)

On this 19th day of Nov., 1998, before me personally appeared B. Barry Zhang to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

Debrah Drummond
Notary Public

(Faint notary seal stamp)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13th day of

November, 1998.

x Liang-Ju Lu
Liang-Ju Lu

STATE OF Minnesota)
) ss.
COUNTY OF Hennepin)

On this 13th day of November, 1998, before me personally appeared Liang-Ju Lu to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



Kaye M. Park
Notary Public