

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Carl E. Gabrielson</td> <td>01/24/2003</td> </tr> <tr> <td>James E. Holbrook</td> <td>01/23/2003</td> </tr> <tr> <td>Dale M. Terrien</td> <td>01/24/2003</td> </tr> <tr> <td>Gary Gottlieb</td> <td>01/24/2003</td> </tr> </tbody> </table>		Name	Execution Date	Carl E. Gabrielson	01/24/2003	James E. Holbrook	01/23/2003	Dale M. Terrien	01/24/2003	Gary Gottlieb	01/24/2003
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RECEIVING PARTY DATA											
Name:	ADC DSL Systems, Inc.										
Street Address:	13625 Technology Drive										
City:	Eden Prairie										
State/Country:	MINNESOTA										
Postal Code:	55344-2252										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11958139</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11958139						
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CORRESPONDENCE DATA											
Fax Number:	(612)332-4731										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	612-332-4720										
Email:	docketing@fogglaw.com										
Correspondent Name:	FOGG & POWERS LLC										
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Address Line 2:	SUITE 1000										
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ATTORNEY DOCKET NUMBER:	100.512US02										
NAME OF SUBMITTER:	Lisa D. Gentry										
Total Attachments: 5											

OP \$40.00 11958139

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ASSIGNMENT

WHEREAS, We, Carl E. Gabrielson Jr, residing at, 1482 Treasure Lane, Santa Ana, CA 92705, James E. Holbrook, residing at, 4648 Zenith Avenue South, Minneapolis, MN 55410, Dale M. Terrien, residing at, 5332 Richfield Road, Yorba Linda, CA 92886, and Gary Gottlieb, residing at, 9 Carlton, Irvine CA 92620 made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States filed herewith which is entitled **TERMINATION FOR A LINE CARD IN A TELECOMMUNICATION SYSTEM** (the "Application").

AND WHEREAS, ADC DSL Systems, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 13625 Technology Drive, Eden Prairie, Minnesota, 55344-2252, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to the inventions, improvements and the 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 good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the 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 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 identified above, we do 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 the Assignee, its successors and representatives all facts known to us relating to the 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 the Assignee, its successors or assigns the entire right,

