PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| 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 |

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

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11958139 |

CORRESPONDENCE DATA

Fax Number: (612)332-4731

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 612-332-4720

Email: docketing@fogglaw.com

Correspondent Name: FOGG & POWERS LLC

Address Line 1: 10 SOUTH FIFTH STREET

Address Line 2: SUITE 1000

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

| ATTORNEY DOCKET NUMBER: | 100.512US02 |
|-------------------------|----------------|
| NAME OF SUBMITTER: | Lisa D. Gentry |

Total Attachments: 5

PATENT REEL: 020258 FRAME: 0129

500421943

source=00111618#page1.tif source=00111618#page2.tif source=00111618#page3.tif source=00111618#page4.tif source=00111618#page5.tif

> PATENT REEL: 020258 FRAME: 0130

ASSIGNMENT

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

AND WHEREAS, <u>ADC DSL Systems</u>, <u>Inc.</u>, a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having an office and place of business at <u>13625 Technology Drive</u>, <u>Eden Prairie</u>, <u>Minnesota</u>, <u>55344-2252</u>, (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,

PATENT REEL: 020258 FRAME: 0131

Title: TERMINATION FOR A LINE CARD IN A TELECOMMUNICATION SYSTEM

ATTORNEY DOCKET: 100,512US01

PAGE 2 OF 5

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 I covenant and agree with the Assignce, 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 me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of There was 2003.

Carl E. Gabrielson Jr.

STATE OF ALTONIO

)ss.

COUNTY OF OTHIRE)

On this M day of MMMH, , 2003, before me personally appeared Carl E. Gabrielson Jr. 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]

HSA D. SMITH
Commission ≢ 1328788
Notary Public - California
Orange County
My Corryn Expires Nov 6, 2005

Notary Public

PATENT ΘΕΡΙ : 020258 FRAME: 0132

Title: TERMINATION FOR A LINE CARD IN A TELECOMMUNICATION SYSTEM

ATTORNEY DOCKET: 100.512US01

PAGE 3 OF 5

IN TESTIMONY WHEREOF, I have hereunto set my hand this 33 day of January, 2003.

James E. Holbrook

STATE of MINNEGOTA)

)ss.

COUNTY of HENNEPIN)

On this <u>23rd</u> day of <u>January</u>, 2003, before me personally appeared <u>James E.</u>

<u>Holbrook</u> 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]

Carry Public

Notary Public

CARRIE A. NEIBURG
NOTARY PUBLIC
My Commission Expires Jan. 31, 2005

PATENT REEL: 020258 FRAME: 0133

Title: TERMINATION FOR A LINE CARD IN A TELECOMMUNICATION SYSTEM

ATTORNEY DOCKET: 100,512US01

PAGE 4 OF 5

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of January ______, 2003.

Dale M. Terrien

STATE OF CALIFORNIA

)ss.

COUNTY OF THEIRE

On this $\frac{1}{2}U$ day of $\frac{1}{2}U$ day of $\frac{1}{2}U$, 2003, before me personally appeared $\frac{1}{2}$ Date M. Terrien 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]

LISA D. SMITH
Commission # 1328786
Notary Public - California
Orange County
My Comm. Expires Nov 6, 2005

Notary Public

Title: TERMINATION FOR A LINE CARD IN A TELECOMMUNICATION SYSTEM

ATTORNEY DOCKET: 100.512US01

PAGE 5 OF 5

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of January

2003.

ary Goulich

STATE OF WILLIAM

COUNTY OF LYCLINGES

On this 24 day of 400 day, 2003, before me personally appeared Gary Gottlieb 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]

I ISA D. SMITH
Commission # 1328786
Notary Public - California
Crange County
My Comm. Expires Nov 5, 2005

Notary Public

PATENT V6+: OI E0-+2-uer REEL: 020258 FRAME: 0135