

04-17-2003



To the Honorable Commissioner of Patents

102422322

original documents or copy thereof.

1. Name of conveying party(ies):

415-03

Michael K. Barth, Charles G. Ham, Gene Tennis, Matthew Kusz, Chad J. Sjodin, Matthew Ferris, Cyle D. Petersen

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

Name: ADC DSL Systems, Inc.

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

Street Address: 13625 Technology Drive

3. Nature of conveyance:

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

City: Eden Prairie State: MN ZIP: 55344-2252

Execution Date: January 23, 2003; February 3, 2003, March 5, 2003, April 8, 2003

Additional name(s) & address(es) attached? ☒ Yes ☐ No

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). 10/289,132

B. Patent No(s).

Title: **METHODS AND SYSTEMS OF HEAT TRANSFER FOR ELECTRONIC ENCLOSURES**

Additional numbers attached? ☐ Yes ☒ No

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

Name: Laura A. Ryan  
Address: Fogg & Associates, LLC  
P.O. Box 581339  
Minneapolis, MN 55458-1339

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR §3.41): \$ 40.00

☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to Deposit account number: 502432

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 an original or a true copy of the original document.

Laura A. Ryan/ Reg. #49,055  
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document(s): 9

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents  
Box Assignments  
Washington, D.C. 20231

04/16/2003 LMUELLER 00000130 10289132

01 FC:8021

40.00 OP

## ASSIGNMENT

WHEREAS, We, Michael K. Barth, residing at, 616 Milwaukee Court, Shakopee, MN 55379, Charles G. Ham, residing at, 4717 Hampton Road, Mound, MN 55364, Gene Tennis, residing at, 1879 59th Court East, Inver Grove Heights, MN 55077, Matthew Kusz, residing at, 4348 34th Avenue South, Minneapolis, MN 55406, Chad J. Sjodin, residing at, 868 Sarazin St., Shakopee, MN 55379, Matthew Ferris, residing at, 206 Adam Circle, Carver, MN 55315, and Cyle D. Petersen, residing at, 809 Elm Street South, Belle Plaine, MN 56011 made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States filed November 5, 2002 which is entitled **METHODS AND SYSTEMS OF HEAT TRANSFER FOR ELECTRONIC ENCLOSURES** (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;

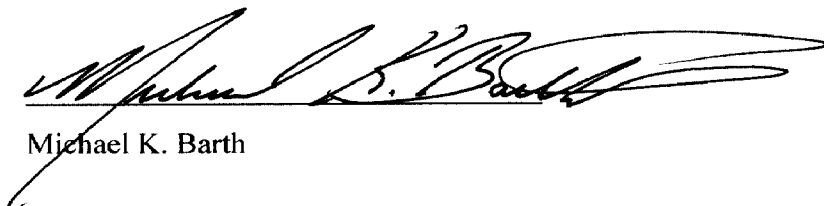
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors or assigns, the entire 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, 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 the 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 23<sup>rd</sup> day of January, 2003.

  
Michael K. Barth

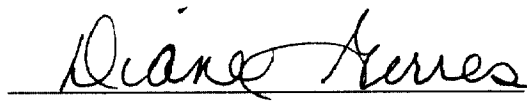
STATE of Minnesota

COUNTY of Scott )ss.

On this 23<sup>rd</sup> day of January, 2003, before me personally appeared Michael K. Barth 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.

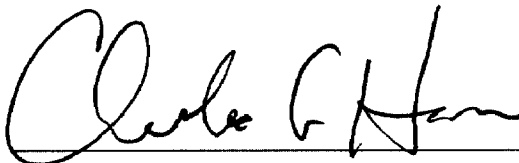
[SEAL]



  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of JANUARY,

2003.



Charles G. Ham

STATE of MN )

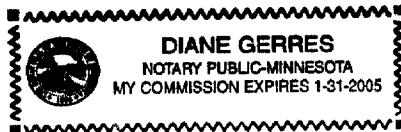
COUNTY of Scott )ss.

On this 23<sup>rd</sup> day of JANUARY, 2003, before me personally appeared Charles G. Ham 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]



Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this 8 day of APRIL

2003.

Gene Tennis

Gene Tennis

Sign &

STATE of MD

)ss.

COUNTY of Dakota

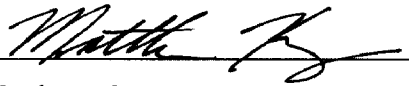
On this 8<sup>th</sup> day of April, 2003, before me personally appeared Gene Tennis to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



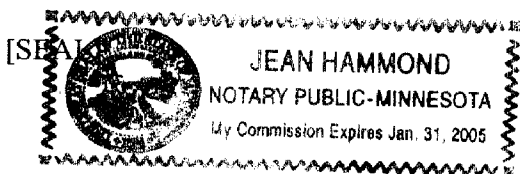
Michele Pawlenty  
Notary Public

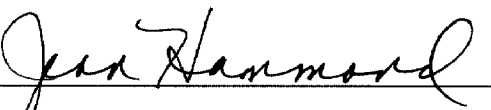
IN TESTIMONY WHEREOF, I have hereunto set my hand this 3 day of FEBRUARY,  
2003.

  
Matthew Kusz

STATE of Minnesota)  
)ss.  
COUNTY of Hennepin

On this 3 day of February, 2003, before me personally appeared Matthew Kusz 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.



  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5 day of MARCH, 2003  
2003.

Chad J. Sjodin  
Chad J. Sjodin

STATE of Minnesota

COUNTY of Scott )ss.

On this 5th day of March, 2003, before me personally appeared Chad J. Sjodin 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]



Betty A. Hvidsten  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of January,  
2003.

Matthew Ferris

Matthew Ferris

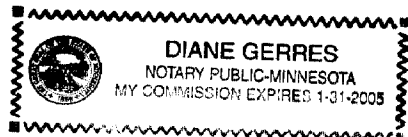
STATE of Minnesota

)ss.

COUNTY of Scott

On this 23<sup>rd</sup> day of January, 2003, before me personally appeared Matthew Ferris  
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]

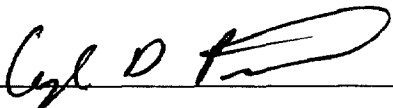


Diane Gerres

Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of January, 2003.

  
Cyle D. Petersen


STATE of Minnesota

COUNTY of Scott )ss.

On this 23<sup>rd</sup> day of January, 2003, before me personally appeared Cyle D. Petersen 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]



  
Notary Public