

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	
M'hamed Anis Khemakhem	05/17/2011
Scott C. Kowalczyk	05/16/2011
Nicholas Torman	05/16/2011
Dominic J. Louwagie	05/16/2011
<b>RECEIVING PARTY DATA</b>	
Name:	ADC Telecommunications, Inc.
Street Address:	13625 Technology Drive
City:	EDEN PRAIRIE
State/Country:	MINNESOTA
Postal Code:	55344
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	13087022
<b>CORRESPONDENCE DATA</b>	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 1:	Merchant & Gould P.C.
Address Line 2:	PO Box 2903
Address Line 4:	Minneapolis, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	02316.3093USU1
NAME OF SUBMITTER:	David G. Schmaltz
Total Attachments: 4 source=02316-3093usu1-executed-assign#page1.tif source=02316-3093usu1-executed-assign#page2.tif source=02316-3093usu1-executed-assign#page3.tif source=02316-3093usu1-executed-assign#page4.tif	

OP \$40.00 13087022

## ASSIGNMENT

WHEREAS, we, M'hamed Anis Khemakhem, residing at 8819 Knollwood Drive, Eden Prairie, Minnesota 55347, Scott C. Kowalczyk, residing at 7628 Southridge Court, Savage, Minnesota 55378, Nicholas Torman, residing at 17197 Fairmeadow Way, Farmington, Minnesota 55024 and Dominic J. Louwagie, residing at 15980 North Hillcrest Court, Eden Prairie, Minnesota 55346, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on April 14, 2011, application Serial No. 13/087,022 which is entitled Fiber to the Antenna.

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 13625 Technology Drive, Eden Prairie, Minnesota 55344 (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.

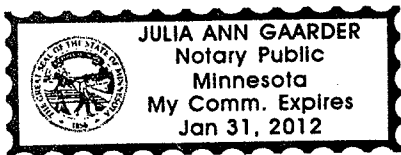
IN TESTIMONY WHEREOF, I have hereunto set my hand this 17 day of May, 2011.

M. Anis Khemakhem  
M'hamed Anis Khemakhem

STATE OF MN )  
 ) ss.  
COUNTY OF HENNEPIN )

On this 17<sup>th</sup> day of MAY, 2011, before me personally appeared M'hamed Anis Khemakhem 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]



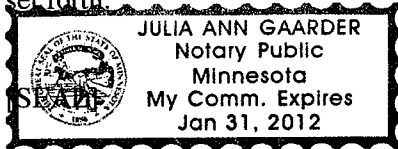
Julia A. Gaarder  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of MAY, 2011.

[Signature]  
Scott C. Kowalczyk

STATE OF MN )  
 ) ss.  
COUNTY OF HENNEPIN )

On this 16<sup>th</sup> day of MAY, 2011, before me personally appeared Scott C. Kowalczyk 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.



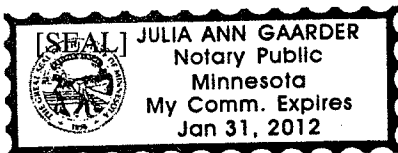
[Signature]  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16<sup>th</sup> day of MAY, 2011.

[Signature]  
Nicholas Torman

STATE OF MN )  
 ) ss.  
COUNTY OF HENNEPIN )

On this 16<sup>th</sup> day of MAY, 2011, before me personally appeared Nicholas Torman 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.



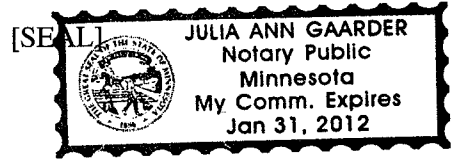
[Signature]  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of May, 2011.

Dominic J. Louwagie  
Dominic J. Louwagie

STATE OF MN )  
 ) ss.  
COUNTY OF HENNEPIN )

On this 16<sup>th</sup> day of MAY, 2011, before me personally appeared Dominic J. Louwagie 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.



Julia A. Gaarder  
Notary Public