503748853 03/22/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
PAUL KMIT	04/24/2014
THOMAS PARSONS	04/23/2014
ERIK GRONVALL	05/21/2014
DOUGLAS C. ELLENS	05/08/2014
PANAYIOTIS TOUNDAS	05/21/2014
TIMOTHY G. BADAR	05/21/2014
TREVOR D. SMITH	05/21/2014
THOMAS G. LEBLANC	05/21/2014
TODD LOEFFELHOLZ	05/21/2014

RECEIVING PARTY DATA

Name:	ADC TELECOMMUNICATIONS, INC.	
Street Address:	1050 WESTLAKES DRIVE	
City:	BERWYN	
State/Country:	PENNSYLVANIA	
Postal Code:	19312	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14285949	

CORRESPONDENCE DATA

Fax Number: (612)332-9801

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 6123325300

Email: crogers@merchantgould.com **Correspondent Name:** MERCHANT & GOULD P.C.

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER: 02316.3446USI1_P3

NAME OF SUBMITTER: DAVID G. SCHMALTZ

PATENT 503748853 REEL: 038071 FRAME: 0951

SIGNATURE:	/DAVID G. SCHMALTZ/
DATE SIGNED:	03/22/2016
Total Attachments: 10	
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PATENT REEL: 038071 FRAME: 0952

ASSIGNMENT

WHEREAS, we, Paul Kmit, residing at 15476 Tarleton Crest, Maple Grove, Minnesota 55311, Thomas Parsons, residing at 183 Walnut Street, Leominster, Massachusetts 01453, Erik Gronvall, residing at 4217 West 100th Street, Bloomington, Minnesota 55437, Douglas C. Ellens, residing at 686 Halsey Avenue SE, Buffalo, Minnesota 55313, Panayiotis Toundas, residing at 354 14th Avenue West, Vancouver, British Columbia V5Y 1X4, Timothy G. Badar, residing at 1733 Bayard Avenue, St. Paul, Minnesota 55116, Trevor D. Smith, residing at 18790 Vogel Farm Trail, Eden Prairie, Minnesota 55347, Thomas G. LeBlanc, residing at 246A Worcester Road, Westminster, Massachusetts 01473 and Todd Loeffelholz, residing at 10005 Kingman Lane, Minnetonka, Minnesota 55305, made certain new and useful inventions and improvements for which we filed a provisional application in the United States Patent and Trademark Office on March 27, 2014, as application Serial No. 61/971,390, which is entitled Passive Distribution System Using Fiber Indexing.

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 1050 Westlakes Drive, Berwyn, Pennsylvania 19312 (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 good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/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 the right(s) to claim priority thereto, and in and to said application, all patent applications based upon said Provisional 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 said 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 I/we do hereby authorize and request the Commissioner of Patents and

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PATENT REEL: 038071 FRAME: 0953 Attorney Docket No. 02316.3446USP3

Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/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 me/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 said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I/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 me/us and that full right to convey the same as herein expressed is possessed by me/us.

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IN TESTIMONY WHEREOF, I have 2014.	ve hereunto set my hand this 24 ¹⁰ day of
	Paul Kunt
<u> </u>	ul Kmit
STATE OF (STATE OF)ss.	
On this 24 day of April	, 2014 before me personally appeared Paul
Kmit to me known and known to me to be the pers	on described in and who executed the
foregoing instrument, and he/she duly acknowledg	ed to me that he/she executed the same for the
uses and purposes therein set forth.	
STACY LYNN SCHMITZ NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2015	Otary Public (1) hmits
IN TESTIMONY WHEREOF, I ha	ve hereunto set my hand this day of
T	homas Parsons
STATE OF) COUNTY OF)	
	, 2014 before me personally appeared
Thomas Parsons to me known and known to me to	
the foregoing instrument, and he/she duly acknow	
the uses and purposes therein set forth.	•
[SEAL]	Notary Public

IN	TESTIMONY , 2014.	WHEREOF, I ha	ave hereunto set n	ny hand this	day of
		- P	aul Kmit		
STATE OF) _)ss.			
COUNTY OF	•)			
Or	this day	y of	, 2014 before	me personally appe	ared Paul
Kmit to me know	n and known to	me to be the per	son described in a	and who executed the	e
foregoing instrum	ent, and he/she	duly acknowled	ged to me that he/	she executed the san	ne for the
uses and purposes	therein set for	th.			
[SEAL]					
		Ī	Notary Public		
April	TESTIMONY , 2014.	WHEREOF, I ha	ave hereunto set r	ny hand this	day of
1.	a 1 l	Ī	Thomas Parsons		
STATE OF COUNTY OF	us. Parcester) _)ss.)			
Or	n this <u>2311</u> day	y of April	, 2014 before	e me personally appe	ared
Thomas Parsons	to me known ar	nd known to me t	o be the person de	escribed in and who	executed
the foregoing inst	rument, and he	she duly acknow	vledged to me tha	t he/she executed the	same for
the uses and purp	oses therein set	t forth.			
[SEAL Cor	ADELITA NEGR Notory Ruffe nmonwealth of Mann My Commission Bet My Commission Bet		Moletan Notary Public	Egriori	

May IN TESTI	MONY WHEREOI 14.	F, I have hereunto set my hand this 215 day of Erik Gronvall
STATE OF)	
COUNTY OF)ss.)	
On this	day of	, 2014 before me personally appeared Erik
Gronvall to me known ar	nd known to me to b	be the person described in and who executed the
foregoing instrument, and	d he/she duly ackno	wledged to me that he/she executed the same for the
uses and purposes therein	set forth.	
[SEAL]		
		Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of
Javalas C Ellens
STATE OF Douglas C. Ellens
COUNTY OF)ss.
On this day of, 2014 before me personally appeared
Douglas C. Ellens to me known and known to me to be the person described in and who
executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the
same for the uses and purposes therein set forth.
[SEAL] Notary Public
STACY LYNN SCHMITZ NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2015

IN TESTIMONY WHEREOF, I	I have hereunto set my hand this <u>21</u> day of
MAY . 2014.	
	Tastal
	Panayiotis Toundas
VANCOUVER, BC, CANAD	A. The second of
STATE OF)	
)ss.	
COUNTY OF)	
On this day of	, 2014 before me personally appeared
Panayiotis Toundas to me known and known to	o me to be the person described in and who
executed the foregoing instrument, and he/she	duly acknowledged to me that he/she executed the
same for the uses and purposes therein set forth	1.
FOUND A T. T.	
[SEAL]	Notary Public
	NOISTV PHOTIC

Mary	IN TESTIMONY, 2014.	WHEREOF, I h	have hereunto set my hand this 21 day of
	·		THORE
			Timothy G/Badar
STATE OF		·)	
COUNTY OF)ss.)	
	On this day	of	, 2014 before me personally appeared
Timothy G. Ba	adar to me known a	and known to me	e to be the person described in and who
executed the fe	oregoing instrumer	nt, and he/she du	ly acknowledged to me that he/she executed the
same for the u	ses and purposes th	nerein set forth.	
[SEAL]			
[DDI ID]		;]	Notary Public

	EOF, I have hereunto set my hand this day of
	Trevor D. Smith
STATE OF)	
COUNTY OF)ss.	
On this day of	, 2014 before me personally appeared
Frevor D. Smith to me known and known	n to me to be the person described in and who executed
the foregoing instrument, and he/she duly	acknowledged to me that he/she executed the same for
the uses and purposes therein set forth.	
[SEAL]	Notary Public
IN TESTIMONY WHERE May , 2014.	EOF, I have hereunto set my hand this day of
	The state of the s
	Thomas G. LeBlanc
STATE OF)	
COUNTY OF)	
	, 2014 before me personally appeared
	own to me to be the person described in and who
	e/she duly acknowledged to me that he/she executed the
ame for the uses and purposes therein set	
SEAL]	
·	Notary Public

May	IN TESTIM , 2014		OF, I have hereunto set my hand this 2/ day of
,			Todd Loeffelhoiz
STATE OF)	
COUNTY OF	1)ss.)	
	On this	day of	, 2014 before me personally appeared
Todd Loeffell	olz to me kn	own and known	to me to be the person described in and who executed
the foregoing	instrument, a	and he/she duly a	cknowledged to me that he/she executed the same for
the uses and p	urposes there	ein set forth.	
[SEAL]			
-			Notary Public