504618271 10/30/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4664986

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HARVEY RUBIN	10/29/2012
JAMES KEITH BREWINGTON	10/29/2012
ANIL S. SAWKAR	12/17/2012
DAVID M. POTICNY	11/01/2012

RECEIVING PARTY DATA

Name:	ALL PURPOSE NETWORKS LLC
Street Address:	C/O PICATINNY TECHNOLOGY INNOVATION CENTER
Internal Address:	3159 SCHRADER ROAD
City:	DOVER
State/Country:	NEW JERSEY
Postal Code:	07801

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15797902

CORRESPONDENCE DATA

Fax Number: (612)677-3572

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: 414-333-0510

Email: gtcdocketing@cpaglobal.com, dpeterson@gtclawgroup.com

Correspondent Name: GTC LAW GROUP PC & AFFILIATES

Address Line 1: C/O CPA GLOBAL

Address Line 2: 900 SECOND AVENUE SOUTH, SUITE 600

Address Line 4: MINNEAPOLIS, MINNESOTA 55419

ATTORNEY DOCKET NUMBER:	APNS-0001-U01-C06
NAME OF SUBMITTER:	JULIE ZAVORAL
SIGNATURE:	/Julie Zavoral/
DATE SIGNED:	10/30/2017
	•

Total Attachments: 5

PATENT REEL: 043984 FRAME: 0801

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source=APNS-0001-U01-C06 CopyOfAPNS-0001-U01_Assignment Signed#page1.tif source=APNS-0001-U01-C06 CopyOfAPNS-0001-U01_Assignment Signed#page2.tif source=APNS-0001-U01-C06 CopyOfAPNS-0001-U01_Assignment Signed#page3.tif source=APNS-0001-U01-C06 CopyOfAPNS-0001-U01_Assignment Signed#page4.tif source=APNS-0001-U01-C06 CopyOfAPNS-0001-U01_Assignment Signed#page5.tif

PATENT REEL: 043984 FRAME: 0802

Application No.: 13/667,424 12/27/12 DJP

Attorney Docket No.: APNS-0001-U01

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

OPTIMIZED BROADBAND WIRELESS NETWORK PERFORMANCE THROUGH BASE STATION APPLICATION SERVER

for which a United States Patent application	was filed on	November 2, 2012	_and bears	12/27/12 DJE
Application Number 13/667,424	(hereinafter	"Application");		

AND, WHEREAS, <u>All Purpose Networks LLC</u>, a corporation of the State of <u>New Jersey</u>, having a place of business at <u>19 Chesterfield Drive</u>, <u>Chester</u>, <u>NJ 07930</u>, hereinafter called the "Assignee", is desirous of acquiring the entire right, title, and interest in and to said Application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said Assignee, the receipt and sufficiency of which is hereby acknowledged, I as a named inventor, hereinafter the Assignor, do hereby assign, sell and transfer unto said Assignee the full and exclusive right, title and interest in and to said Application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries, and all conversions, divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment also includes the right to claim priority to the Application under any law, rule, treaty, or convention. Such assignment extends to the full ends of the terms of the Application and such Letters Patent as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made. Said full and exclusive right, title, and interest referred to above includes all rights to all past, present and future claims for infringement of any patent resulting from said Application including the right to grant licenses, to bring lawsuits, and to recover damages for any past, present, and future infringement, whether known or unknown, now existing or hereafter arising. I also give permission to attorneys from the GTC Law Group LLP and Affiliates to fill in the above blanks for the application date and number, or to insert "filed concurrently herewith" as applicable, since the application number and filing date may not be known at the date of today's signing.

I, as a named inventor, covenant that I am a lawful owner of said Application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements thereof, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly, that I will communicate to said Assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but

Application No.: 13/667,424

__ 12/27/12 DJP

Attorney Docket No.: APNS-0001-U01

without expense to me, testify in any legal proceedings, sign all lawful papers, execute all conversion, divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said Assignee or by counsel for said Assignee to assist or enable said Assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the beirs, executors, administrators, successors and/or assigns, as the case may be, of said Assignee.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

1. FULL NAME OF ASSIGNOR: Harvey Rubin	RESIDENCE: Morristown, NJ
EXECUTED this 29 day 0 toluc, 2012	Havey Luber
2. FULL NAME OF ASSIGNOR: James Keith Brewington	RESIDENCE: Chester, NJ
EXECUTED this day, 20	SIGNATURE
3. FULL NAME OF ASSIGNOR: Anil S. Sawkar	RESIDENCE: Basking Ridge, NJ
EXECUTED this day, 20	SENATORE
4. FULL NAME OF ASSIGNOR: David M. Poticny	RESIDENCE: Whippany, NJ
EXECUTED thisday, 20	SIGNATURE

12/27/12 DJP

Application No.: 13/667,424
Attorney Docket No.: APNS-0001-U01

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EXECUTED this 29 day <u>10</u> , 20 <u>1</u> 2	James K Brewnight
3. FULL NAME OF ASSIGNOR: Anil S. Sawkar	RESIDENCE: Basking Ridge, NJ
EXECUTED this day, 20	SIGNATURE
4. FULL NAME OF ASSIGNOR: David M. Potieny	RESIDENCE: Whippany, NJ
EXECUTED this day, 20	SIGNATURE

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3. FULL NAME OF ASSIGNOR: Anil S. Sawkar	RESIDENCE: Basking Ridge, NJ
EXECUTED this $17 \text{ day } 12$, 2012	My S_Sankon
4. FULL NAME OF ASSIGNOR: David M. Potieny	RESIDENCE: Whippany, NJ
EXECUTED this day, 20	SIGNATURE

Application No.: 13/667,424
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3. FULL NAME OF ASSIGNOR: Anil S. Sawkar	RESIDENCE: Basking Ridge, NJ
EXECUTED thisday, 20	SIGNATURE
4. FULL NAME OF ASSIGNOR: David M. Poticny	RESIDENCE: Whippany, NJ
EXECUTED this Lad day Nov., 2012	Dais In Policy

PATENT

REEL: 043984 FRAME: 0807