

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT6198196

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
COMMUNICATION COMPONENTS ANTENNA INC.	07/10/2020

**RECEIVING PARTY DATA**

<b>Name:</b>	BLINQ NETWORKS INC.
<b>Street Address:</b>	140 RENFREW DRIVE
<b>City:</b>	MARKHAM
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	L3R 6B6

**PROPERTY NUMBERS Total: 17**

Property Type	Number
Patent Number:	8824311
Patent Number:	8816907
Patent Number:	9345032
Patent Number:	8902808
Patent Number:	9253740
Patent Number:	9237529
Patent Number:	9338753
Patent Number:	9231678
Patent Number:	9338672
Patent Number:	9544792
Patent Number:	9877325
Patent Number:	9635571
Patent Number:	9332504
Patent Number:	9144029
Patent Number:	9749972
Patent Number:	10015788
Patent Number:	10149172

**CORRESPONDENCE DATA**

Fax Number:

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

**PATENT**

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

**Phone:** 613 715 9770  
**Email:** dewilton@dewilton.com  
**Correspondent Name:** DE WILTON INTELLECTUAL PROPERTY INC.  
**Address Line 1:** 499 TILLBURY AVENUE WEST  
**Address Line 4:** OTTAWA, CANADA K2A 4G8

<b>NAME OF SUBMITTER:</b>	ANGELA C DE WILTON
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<b>SIGNATURE:</b>	/acdewilton/
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<b>DATE SIGNED:</b>	07/14/2020
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**Total Attachments: 7**

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**ASSIGNMENT**  
(All rights, all countries worldwide)

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned

**Communication Components Antenna Inc.**

whose full post office address is

**411 Legget Drive, Suite 104, Kanata, Ontario, CANADA, K2K 3C9**

(hereafter "the Assignor")

does hereby confirm the Assignor's sale, assignment, transfer and setting over, and does hereby sell, assign, transfer and set over to

**BLiNQ Networks Inc.**

whose full post office address is

**140 Renfrew Dr, Markham, Ontario, CANADA L3R 6B3**

(hereafter "the Assignee")

its successors, assigns and legal representatives, the entire right, title and interest, including priority rights, for all countries, in and to certain inventions as fully set forth and described in the patent applications and patents identified in **Schedule A**,

together with the entire right, title and interest in and to said applications and any and all other applications for said inventions, including divisional, continuation and continuation-in-part applications, said Letters Patent and any and all other Letters Patent which may issue or be re-issued for said inventions in the United States, Canada and any other country worldwide to the full end of the term for which each said Letters Patent may be granted, including all right to sue for past infringement thereunder;

AND hereby authorizes the issuance to said Assignee of any and all said Letters Patent not already issued as the Assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said Assignee, its successors, assigns or legal representatives;


AND on behalf of the Assignor and its heirs, executors, legal representatives, assigns and administrators, hereby covenants and agrees to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications, and other instruments as may reasonably be required by said Assignee, its successors, assigns or legal representatives, to obtain any and all said Letters Patent, in any country, for said inventions and to vest the same in said Assignee, its successors, assigns or legal representatives;

AND to communicate to said Assignee, its representatives or agents, any facts relating to said inventions, including evidence for interference purposes or for other proceedings; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and likewise make these provisions binding upon the Assignor's heirs, legal representatives, administrators and assigns;

AND hereby grants to said Assignee or its patent agents and attorneys the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of a patent office for recordation of this Assignment.

Declaration of Witness

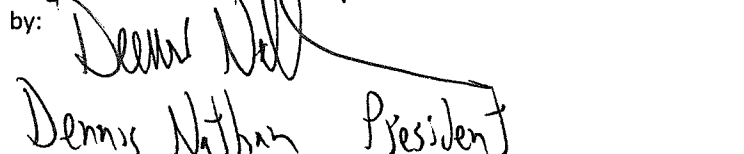
The undersigned witness hereby declares that he/she was personally present and did see the person for whom he/she is witnessing, the person being personally known to the witness, duly sign and execute the foregoing assignment.

  
Witness' Signature  
ALLEN COHEN  
Witness' Name

SIGNED AT S. Hackensack, NJ, USA (City/Country)

This 10<sup>th</sup> day of July 2020


Assignor: **Communication Components Antenna Inc.**

by:   
Dennis Nathan President  
(Name) (title)

**The undersigned Assignee hereby accepts this assignment**

Declaration of Witness


The undersigned witness hereby declares that he/she was personally present and did see the person for whom he/she is witnessing, the person being personally known to the witness, duly sign and execute the foregoing assignment.

  
Witness' Signature  
ALLEN COHEN  
Witness' Name

SIGNED AT S. Hackensack, NJ, USA (City/Country)

This 10<sup>th</sup> day of July 2020

Assignee: **BLINQ Networks Inc.**

by:   
Dennis Nathan President  
(Name) (title)

Schedule A

Patent Family	Title	Inventors	Patent application Serial No.	Filing date	Patent no.	Issue Date
1	SYSTEM AND METHOD FOR CO-CHANNEL INTERFERENCE MEASUREMENT AND MANAGED ADAPTIVE RESOURCE ALLOCATION FOR WIRELESS BACKHAUL	Steve Andre Beaudin	US61/382,217	13-Sep-10		
	SYSTEM AND METHOD FOR CO-CHANNEL INTERFERENCE MEASUREMENT AND MANAGED ADAPTIVE RESOURCE ALLOCATION FOR WIRELESS BACKHAUL	Steve Andre Beaudin	US13/230,368	12-Sep-11	US8824311 B2	02-Sep-14
	SYSTEM AND METHOD FOR CO-CHANNEL INTERFERENCE MEASUREMENT AND MANAGED ADAPTIVE RESOURCE ALLOCATION FOR WIRELESS BACKHAUL	Steve Andre Beaudin	PCT/CA2011/001020	12-Sep-11		
	SYSTEM AND METHOD FOR CO-CHANNEL INTERFERENCE MEASUREMENT AND MANAGED ADAPTIVE RESOURCE ALLOCATION FOR WIRELESS BACKHAUL	Steve Andre Beaudin	CA2809721	12-Sep-11	CA2809721 C	14-Jan-14
2	SYSTEM AND METHOD FOR HIGH PERFORMANCE BEAM FORMING WITH SMALL ANTENNA FORM FACTOR	Steve Andre Beaudin	US61/411,033	08-Nov-10		
	SYSTEM AND METHOD FOR HIGH PERFORMANCE BEAM FORMING WITH SMALL ANTENNA FORM FACTOR	Steve Andre Beaudin	US13/290,659	07-Nov-11	US8816907 B2	26-Aug-14
3	METHOD AND APPARATUS FOR DETERMINING NETWORK CLUSTERS FOR WIRELESS BACKHAUL NETWORKS	Taiwen Tang, Hayssam Dahrouj, Jerry Chow, Wei Yu	US61/503,336	30-Jun-11		
	METHOD AND APPARATUS FOR DETERMINING NETWORK CLUSTERS FOR WIRELESS BACKHAUL NETWORKS	Taiwen Tang, Hayssam Dahrouj, Jerry Chow, Wei Yu	PCT/CA2012/000621	29-Jun-12		
	METHOD AND APPARATUS FOR DETERMINING NETWORK CLUSTERS FOR WIRELESS BACKHAUL NETWORKS	Taiwen Tang, Hayssam Dahrouj, Jerry Chow, Wei Yu	US14/129,150	29/06/2012 (US national entry 24Dec2013)	US9345032 B2	17-May-16

Patent Family	Title	Inventors	Patent application Serial No.	Filing date	Patent no.	Issue Date
4	INTERFERENCE MITIGATION WITH SCHEDULING AND MARA-BASED DYNAMIC POWER SPECTRUM ALLOCATION FOR (NLOS) WIRELESS BACKHAUL NETWORKS	Hayssam Dahrouj, Wei Yu, Taiwen Tang, Steve Andre Beaudin	US61/483,417	06-May-11		
	INTERFERENCE MITIGATION WITH SCHEDULING AND DYNAMIC POWER SPECTRUM ALLOCATION FOR WIRELESS NETWORKS	Hayssam Dahrouj, Wei Yu, Taiwen Tang, Steve Andre Beaudin	US61/506,895	12-Jul-11		
	INTERFERENCE MITIGATION WITH SCHEDULING AND DYNAMIC POWER SPECTRUM ALLOCATION FOR WIRELESS NETWORKS	Hayssam Dahrouj, Wei Yu, Taiwen Tang, Steve Andre Beaudin	US13/463,478	03-May-12	US8902808 B2	02-Dec-14
5	METHOD AND APPARATUS FOR POWER-ZONE-ASSIGNMENT IN WIRELESS NETWORKS	Hayssam Dahrouj, Wei Yu, Taiwen Tang, Jerry Chow, Radu Selea	US61/731,429	29-Nov-12		
	METHOD AND APPARATUS FOR POWER-ZONE-ASSIGNMENT IN WIRELESS NETWORKS	Hayssam Dahrouj, Wei Yu, Taiwen Tang, Jerry Chow, Radu Selea	US61/793,551	15-Mar-13		
	METHOD AND APPARATUS FOR COORDINATED POWER-ZONE-ASSIGNMENT IN WIRELESS NETWORKS	Hayssam Dahrouj, Wei Yu, Taiwen Tang, Jerry Chow, Radu Selea	US14/093,011	28-Nov-13	US9253740 B2	2-Feb-16
6	METHOD AND APPARATUS FOR MITIGATING WIRELESS INTERFERENCE VIA POWER CONTROL WITH ONE-POWER-ZONE CONSTRAINTS	Hayssam Dahrouj, Wei Yu, Taiwen Tang, Jerry Chow, Radu Selea	US61/617,670	30-Mar-12		
	METHOD AND APPARATUS FOR MANAGING INTERFERENCE IN WIRELESS BACKHAUL NETWORKS VIA POWER CONTROL WITH A ONE-POWER-ZONE CONSTRAINT	Hayssam Dahrouj, Wei Yu, Taiwen Tang, Jerry Chow, Radu Selea	US13/852,765	28-Mar-13	US9,237,529 B2	12-Jan-16
7	INTER-CLUSTER POWER MANAGEMENT	Taiwen Tang, Hayssam Dahrouj, Jerry Pak Lup Chow, Radu Bogdan Selea	US61/723,494	07-Nov-12		
	METHOD AND APPARATUS FOR PERFORMANCE MANAGEMENT IN A WIRELESS BACKHAUL NETWORK VIA POWER CONTROL	Taiwen Tang, Hayssam Dahrouj, Jerry Pak Lup Chow, Radu Bogdan Selea	US14/073,459	06-Nov-13	US9338753 B2	10-May-16

Patent Family	Title	Inventors	Patent application Serial No.	Filing date	Patent no.	Issue Date
8	METHOD AND APPARATUS FOR PRECODING IN A TWO TRANSMIT ANTENNA CLOSED-LOOP MIMO FIXED WIRELESS BACKHAUL NETWORK	Taiwen Tang, Ahikam Aharony, Ho Ting Cheng, Jeroen Stroobach	US14/215,798	17-Mar-2014	US9,231,678 B2	5-Jan-2016
9	SYSTEM AND METHOD FOR COORDINATING HUB-BEAM SELECTION IN FIXED WIRELESS BACKHAUL NETWORKS	Ho Ting Cheng, Akram Bin Sediq, Radu Bogdan Selea, Xiaochang Wu, Taiwen Tang, Terasan Niyomsataya, Sorin Alexandru Michnea	US14/255,068	17-Apr-14	US9338672 B2	10-May-16
10	SYSTEM AND METHOD FOR JOINT SCHEDULING IN DUAL-CARRIER WIRELESS BACKHAUL NETWORKS	Ho Ting Cheng, Alexandru Moraru, Akram Bin Sediq, Radu Bogdan Selea	14/314,878	25-Jun-14	US9544792 B2	10-Jan-17
	SYSTEM AND METHOD FOR JOINT SCHEDULING IN DUAL-CARRIER WIRELESS BACKHAUL NETWORKS	Ho Ting Cheng, Alexandru Moraru, Akram Bin Sediq, Radu Bogdan Selea	15/392,270	28-Dec-16	US9877325 B2	23-Jan-18
11	SYSTEM AND METHOD FOR RECEPTION MODE SWITCHING IN DUAL-CARRIER WIRELESS BACKHAUL NETWORKS	Ho Ting Cheng, Ovidiu Mihai Leulescu, Radu Bogdan Selea	14/314,996	25-Jun-14	US9635571 B2	27-Apr-17
12	SYSTEM AND METHOD FOR SELF-OPTIMIZED UPLINK POWER CONTROL IN WIRELESS BACKHAUL NETWORKS	Ho Ting Cheng, Taiwen Tang, Terasan Niyomsataya, Radu Bogdan Selea	US61/868,771	22-Aug-13		
	SYSTEM AND METHOD FOR SELF-OPTIMIZED UPLINK POWER CONTROL IN A FIXED WIRELESS BACKHAUL NETWORK	Ho Ting Cheng, Taiwen Tang, Terasan Niyomsataya, Radu Bogdan Selea	US14/462,859	19-Aug-14	US9332504 B2	03-May-16

Patent Family	Title	Inventors	Patent application Serial No.	Filing date	Patent no.	Issue Date
13	SYSTEM AND METHOD FOR DOWNLINK POWER OPTIMIZATION WITH OUT-OF-NEIGHBOURHOOD UTILITY EVALUATION IN PARTITIONED WIRELESS BACKHAUL NETWORKS	Ho Ting Cheng, Taiwen Tang, Terasan Niyomsataya, Sorin Alexandru Michnea, Radu Bogdan Selea	US61/868,787	22-Aug-13		
	SYSTEM AND METHOD FOR DOWNLINK POWER OPTIMIZATION IN A PARTITIONED WIRELESS BACKHAUL NETWORK WITH OUT-OF-NEIGHBOURHOOD UTILITY EVALUATION	Ho Ting Cheng, Taiwen Tang, Terasan Niyomsataya, Sorin Alexandru Michnea, Radu Bogdan Selea	US14/462,912	19-Aug-14	US9,144,029 B2	22-Sep-15
14	SYSTEM AND METHOD FOR CLOCK SYNCHRONIZATION IN WIRELESS BACKHAUL NETWORKS BASED ON IEEE1588 STANDARD	Akram Bin Sediq, Ho Ting Cheng	US62/055045	25-Sep-14		
	SYSTEM AND METHOD FOR CLOCK SYNCHRONIZATION IN WIRELESS BACKHAUL NETWORKS BASED ON IEEE1588 STANDARD	Akram Bin Sediq, Ho Ting Cheng	US14/865,300	25-Sep-15	US9,749,972 B2	29-Aug-17
15	METHOD AND SYSTEM AND METHOD OF SIGNALLING FOR POINT-TO-MULTIPOINT (PTMP) TRANSMISSION IN FIXED WIRELESS BACKHAUL NETWORKS	Alexandru Moraru, Ho Ting Cheng, Radu Bogdan Selea	US14/643,022	10-Mar-15	US10,015,788 B2	03-Jul-18
16	METHOD AND SYSTEM FOR NETWORK PLANNING IN FIXED WIRELESS BACKHAUL NETWORKS	Ho Ting Cheng, Terasan Niyomsataya, Radu Bogdan Selea	US14/643,389	10-Mar-15	US10,149,172 B2	4-Dec-18



Patent Family	Title	Inventors	Patent application Serial No.	Filing date	Patent no.	Issue Date
17	SYSTEM, APPARATUS AND METHOD FOR DYNAMIC CARRIER AGGREGATION TO MULTI-BEAM ANTENNA MAPPING	Ovidiu Mihai Leulescu, Radu Bogdan Selea, Terasan Niyomsataya	US62/699,531	17-Jul-18		
	SYSTEM, APPARATUS AND METHOD FOR DYNAMIC CARRIER AGGREGATION TO MULTI-BEAM ANTENNA MAPPING	Ovidiu Mihai Leulescu, Radu Bogdan Selea, Terasan Niyomsataya	US16/451,833	25-Jun-19		
	SYSTEM, APPARATUS AND METHOD FOR DYNAMIC CARRIER AGGREGATION TO MULTI-BEAM ANTENNA MAPPING	Ovidiu Mihai Leulescu, Radu Bogdan Selea, Terasan Niyomsataya	CA3,048,109	25-Jun-19		
18	SYSTEM, APPARATUS AND METHODS FOR CBRS CPE INSTALLATION	Radu Bogdan Selea, Alexandru Moraru, Terasan Niyomsataya, Yigit Ozcan	US62/977,420	17-Feb-20		