

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6171683

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PANGO INC.	06/18/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PACIFIC WESTERN BANK
<b>Street Address:</b>	406 BLACKWELL STREET
<b>Internal Address:</b>	SUITE 240
<b>City:</b>	DURHAM
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27701
<b>PROPERTY NUMBERS Total: 53</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	10511521
Patent Number:	10469410
Patent Number:	10425356
Patent Number:	10404618
Patent Number:	10356040
Patent Number:	10182020
Patent Number:	10142262
Patent Number:	10140428
Patent Number:	10135792
Patent Number:	10135791
Patent Number:	10135790
Patent Number:	10135720
Patent Number:	10122676
Patent Number:	10021065
Patent Number:	9942204
Patent Number:	9819513
Patent Number:	9807100
Patent Number:	9763099
Patent Number:	9692734

PATENT

Property Type	Number
Patent Number:	9686302
Patent Number:	9633360
Patent Number:	9626683
Patent Number:	9602411
Patent Number:	9577995
Patent Number:	9553926
Patent Number:	9384463
Patent Number:	9286240
Patent Number:	9203810
Patent Number:	8856886
Patent Number:	8850326
Patent Number:	8799364
Patent Number:	8700603
Patent Number:	8543561
Patent Number:	8191117
Patent Number:	7895297
Patent Number:	7747619
Patent Number:	7693872
Patent Number:	7647305
Patent Number:	9571462
Patent Number:	9769126
Patent Number:	10581839
Patent Number:	10547591
Patent Number:	10542029
Patent Number:	10541976
Application Number:	13846856
Application Number:	15219289
Application Number:	16058511
Application Number:	16058567
Application Number:	16058610
Application Number:	16145831
Application Number:	16149928
Application Number:	16589839
Application Number:	16542130

**CORRESPONDENCE DATA**

Fax Number: (919)282-3941

*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.*

**PATENT**

**REEL: 053039 FRAME: 0418**

**Phone:** 919-314-3086  
**Email:** diligencereview@square1bank.com  
**Correspondent Name:** PACIFIC WESTERN BANK  
**Address Line 1:** 406 BLACKWELL STREET  
**Address Line 2:** SUITE 240  
**Address Line 4:** DURHAM, NORTH CAROLINA 27701

**NAME OF SUBMITTER:** NICHOLAS NANCE

**SIGNATURE:** /NicholasNance- TKF/

**DATE SIGNED:** 06/25/2020

**Total Attachments: 9**

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**AMENDED AND RESTATED  
INTELLECTUAL PROPERTY SECURITY AGREEMENT**

**THIS AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT** is entered into as of June 18, 2020 by and between **PACIFIC WESTERN BANK**, (“**Bank**”) and **PANGO INC.**, a Delaware corporation, formerly known as AnchorFree Inc. (“**Grantor**”).

**RECITALS**

**A.** Reference is made to that certain Amended and Restated Loan Agreement (as the same may be amended, restated, modified or supplemented from time to time, the “**Loan Agreement**”; capitalized terms used herein are used as defined in the Loan Agreement), dated as of even date herewith, among Grantor, and Bank, which Loan Agreement amends and restated that certain Loan and Security Agreement, dated November 27, 2018 among Pacific Western Bank and Grantor.

**B.** Bank has agreed to make certain additional advances of money and to extend certain financial accommodation to Grantor (the “**Loans**”) in the amounts and manner set forth in the Loan Agreement

**C.** Extension of credit by the Bank pursuant to the Loan Agreement is subject to the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

**D.** Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor’s right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

**NOW, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and all other agreements now existing or hereafter arising between Grantor, on the one hand and Bank, on the other hand, Grantor hereby represents, warrants, covenants and agrees as follows:

**AGREEMENT**

To secure all of its present and future indebtedness, liabilities and obligations under the Loan Agreement and under any other agreement now existing or hereafter arising between Bank, on the one hand and Grantor, on the other hand, Grantor grants and pledges to Bank, a security interest in all of Grantor’s right, title and interest in, to and under its Intellectual Property (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof (collectively, “**Intellectual Property Collateral**”).

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or

remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights of Grantor which are registered with or subject to an application filed with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

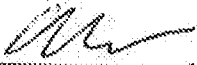
This Amended and Restated Intellectual Property Security Agreement amends and restated the Intellectual Property Security Agreement dated November 27, 2018 executed by the Grantor in favor of Pacific Western Bank.

**SIGNATURE PAGE FOLLOWS**

IN WITNESS WHEREOF, the parties have caused this Amended and Restated Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Grantor:

PANGO INC.


By   
Name ALOH POWDEY  
Title TREASURER

Address of Grantor:

541 Jefferson Avenue, Suite 100  
Redwood City, CA 94063

Bank:

PACIFIC WESTERN BANK

By   
Name Stephen J. Bevers  
Title SVP

Address of Bank:

406 Blackwell Street, Suite 240  
Durham, NC 27701  
Attn: Loan Documentation Department

*[Signature Page—Amended and Restated Intellectual Property Security Agreement]*

**EXHIBIT A**  
**COPYRIGHTS**

<b>Description</b>	<b>Registration Number</b>	<b>Registration Date</b>
None.		

**EXHIBIT B****PATENTS**

<b>Description</b>	<b>Registration OR Serial Number</b>	<b>Registration OR Filing Date</b>
System and method for virtual multipath data transport	10,511,521	12/17/19
	15/402,049	01/09/17
System and method for improving an aggregated throughput of simultaneous connections	10,469,410	11/05/19
	16/022,369	06/28/18
System and method for improving an aggregated throughput of simultaneous connections	10,425,356	09/24/19
	16/022,335	06/28/18
System and method for improving an aggregated throughput of simultaneous connections	10,404,618	09/03/19
	16/156,784	10/10/18
System and method for suppressing DNS requests	10,356,040	07/16/19
	16/000,700	06/05/18
System and method for improving an aggregated throughput of simultaneous connections	10,182,020	01/15/19
	15/254,732	09/01/16
System and method for improving an aggregated throughput of simultaneous connections	10,142,262	11/27/18
	15/254,583	09/01/16
Systems and methods for implementing self-destructing content links	10,140,428	11/27/18
	14/556,091	11/28/14
Secure communications with internet-enabled devices	10,135,792	11/20/18
	15/040,762	02/10/16
Secure communications with internet-enabled devices	10,135,791	11/20/18
	15/040,697	02/10/16
Secure communications with internet-enabled devices	10,135,790	11/20/18
	15/040,655	02/10/16
System and method for virtual multipath data transport	10,135,720	11/20/18
	15/402,024	01/09/17


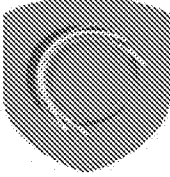



<b>Description</b>	<b>Registration OR Serial Number</b>	<b>Registration OR Filing Date</b>
System and method for suppressing DNS requests	10,122,676	11/06/18
	15/426,906	02/07/17
System and method for suppressing DNS requests	10,021,065	07/10/18
	14/606,566	01/27/15
Secure personal server system and method	9,942,204	04/10/18
	14/676,601	04/01/15
System and method for suppressing DNS requests	9,819,513	11/14/17
	14/606,610	01/27/15
System and method for private social networking	9,807,100	10/31/17
	13/190,286	07/25/11
System and method for security and quality assessment of wireless access points	9,763,099	09/12/17
	14/574,240	12/17/14
Secure personal server system and method	9,692,734	06/27/17
	14/676,625	04/01/15
System and method for security and quality assessment of wireless access points	9,686,302	06/20/17
	14/574,117	12/17/14
Method and apparatus for implementing search engine with cost per action revenue model	9,633,360	04/25/17
	14/034,529	09/23/13
Method and system for advanced messaging	9,626,683	04/18/17
	11/684,560	03/09/07
System and method for suppressing DNS requests	9,602,411	03/21/17
	14/606,651	01/27/15
Systems and methods for enabling secure communication between endpoints in a distributed computerized infrastructure for establishing a social network	9,577,995	02/21/17
	13/757,866	02/04/13
System and method for peer to peer social networking	9,553,926	01/24/17
	14/451,241	08/04/14
SSL HTTPS browser	9,384,463	07/05/16
	13/190,296	07/25/11
Systems and methods for controlling access to content in a distributed computerized infrastructure for establishing a social network	9,286,240	03/15/16
	13/757,868	02/04/13

<b>Description</b>	<b>Registration OR Serial Number</b>	<b>Registration OR Filing Date</b>
Web VPN	9,203,810	12/01/15
	13/190,275	07/25/11
Location-targeted online services	8,856,886	10/07/14
	13/481,726	05/25/12
System and method for using web browser to display advertising materials to user	8,850,326	09/30/14
	12/796,538	06/08/10
System and method for peer to peer social networking	8,799,364	08/05/14
	13/218,334	08/25/11
Computerized system and method for advanced advertising	8,700,603	04/15/14
	12/825,239	06/28/10
Method and apparatus for implementing search engine with cost per action revenue model	8,543,561	09/24/13
	12/685,504	01/11/10
Location-targeted online services	8,191,117	05/29/12
	12/259,147	10/27/08
System and method for enabling wireless internet access in public areas	7,895,297	02/22/11
	11/687,600	03/16/07
Computerized system and method for advanced advertising	7,747,619	06/29/10
	11/291,688	11/30/05
Software web crawler and method therefor	7,693,872	04/06/10
	11/839,789	08/16/07
Method and apparatus for implementing search engine with cost per action revenue model	7,647,305	01/12/10
	11/291,442	11/30/05
Systems and methods for controlling access to content in a distributed computerized infrastructure for establishing a social network	9,286,240	03/15/16
	13/757,868	02/04/13
Extensible personality-based messaging system in a distributed computerized infrastructure for establishing a social network	9,571,462	02/14/17
	13/757,867	02/04/13
Secure Personal Server System And Method	9,769,126	09/19/17
	14/676,648	07/07/16
Secure communications with internet-enabled devices	10,581,839	03/03/20
	16/161,817	10/16/18

<b>Description</b>	<b>Registration OR Serial Number</b>	<b>Registration OR Filing Date</b>
Secure communications with internet-enabled devices	10,547,591	01/28/20
	16/161,757	10/16/18
System and method for security and quality assessment of wireless access points	10,542,029	01/21/20
	15/597,036	05/16/17
Secure communications with internet-enabled devices	10,541,976	01/21/20
	16/161,865	10/16/18
Method And System For Statistical Access Control With Data Aggregation	20130263230	10/03/13
	13/846,856	03/18/13
Protocol For Data Transfer Between Two Nodes Of Partially Connected Limited Network	20180034937	02/01/18
	15/219,289	07/26/18
Local Interception Of Traffic To A Remote Forward Proxy	20190173848	06/06/19
	16/058,511	08/08/18
Local Interception Of Traffic To A Remote Forward Proxy	20190173849	06/06/19
	16/058,567	08/08/18
Local Interception Of Traffic To A Remote Forward Proxy	20190173839	06/06/19
	16/058,610	08/08/19
System And Method For Virtual Multipath Data Transport	20190036811	01/31/19
	16/145,831	09/28/18
System And Method For Suppressing DNS Requests	20190036871	01/31/19
	16/149,928	10/02/18
System And Method For Improving An Aggregated Throughput of Simultaneous Connections	20200036653	03/11/20
	16/589,839	10/01/19
System And Method For Improving An Aggregated Throughput of Simultaneous Connections	20190372910	05/22/20
	16/542,130	08/15/19

**EXHIBIT C**  
**TRADEMARKS**

<b>Description</b>	<b>Registration/ Application Number</b>	<b>Registration/ Application Date</b>
	87450797 5520723	05/16/17 07/17/18
	87320460 5294807	02/01/17 09/26/17
HOTSPOT SHIELD	87320440 5294805	02/01/17 09/26/17
ANCHORFREE	85564730 4225414	03/08/12 10/16/12
TOUCH VPN	88786129	02/05/20
HEXATECH	88786118	02/05/20
BETTERNET	88786107	02/05/20
PANGO	88773446	01/25/20
TWINGATE	88771305	01/23/20
	88655855	10/15/19
FIRESHIELD	88348617	03/20/19
SPY SHIELD	88320757	02/28/19
ROBO SHIELD	88276722	01/25/19
VPN 360	87735039 5620570	12/27/17 12/04/18