

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6923945

<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>
WINDSTREAM INTELLECTUAL PROPERTY SERVICES, LLC	08/26/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT
<b>Street Address:</b>	MAIL CODE NY1-C413, 4CMC
<b>Internal Address:</b>	CIB DMO WLO
<b>City:</b>	BROOKLYN
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	11245
<b>PROPERTY NUMBERS Total: 8</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	6766009
Patent Number:	6839422
Patent Number:	7206582
Patent Number:	7636431
Patent Number:	8787353
Patent Number:	6795835
Patent Number:	6892221
Patent Number:	8095624
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	800-494-5225
<b>Email:</b>	ipteam@cogencyglobal.com
<b>Correspondent Name:</b>	JAY DASILVA
<b>Address Line 1:</b>	1025 CONNECTICUT AVE., NW, STE. 712
<b>Address Line 2:</b>	COGENCY GLOBAL INC.
<b>Address Line 4:</b>	WASHINGTON, D.C. 20036
<b>ATTORNEY DOCKET NUMBER:</b>	1477025 PAT
<b>NAME OF SUBMITTER:</b>	KAREN COTTRELL

PATENT

<b>SIGNATURE:</b>	/Karen Cottrell/
<b>DATE SIGNED:</b>	09/20/2021
<b>Total Attachments: 6</b> source=#94977104v1 - (PSA for Recording)#page2.tif source=#94977104v1 - (PSA for Recording)#page3.tif source=#94977104v1 - (PSA for Recording)#page4.tif source=#94977104v1 - (PSA for Recording)#page5.tif source=#94977104v1 - (PSA for Recording)#page6.tif source=#94977104v1 - (PSA for Recording)#page7.tif	

**PATENT SECURITY AGREEMENT**

**(Patents, Patent Applications and Patent Licenses)**

WHEREAS, Windstream Intellectual Property Services, LLC, a Delaware limited liability company (herein referred to as the “**Grantor**”) owns, or in the case of licenses is a party to, the Patent Collateral (as defined below);

WHEREAS, Windstream Services, LLC (f/k/a Windstream Services II, LLC) (the “**Borrower**”), Windstream Holdings II, LLC, as holdings, the Lenders party thereto, and JPMorgan Chase Bank, N.A., as Administrative Agent and Collateral Agent, are parties to that certain Credit Agreement, dated as of September 21, 2020 (as amended from time to time, the “**Credit Agreement**”); and

WHEREAS, pursuant to that certain Security Agreement, dated as of September 21, 2020, (as amended and/or supplemented from time to time, the “**Security Agreement**”) among the Borrower, the Guarantors party thereto and JPMorgan Chase Bank, N.A., as Collateral Agent for the Secured Parties referred to therein (in such capacity, together with its successors in such capacity, the “**Grantee**”), the Grantor has secured certain of its obligations (its “**Secured Obligations**”) by granting to the Grantee for the benefit of such Secured Parties a continuing security interest (the “**Transaction Liens**”) in personal property of the Grantor, including all right, title and interest of the Grantor in, to and under the Patent Collateral (as defined below);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor grants to the Grantee, to secure its Secured Obligations, a continuing security interest in all of the Grantor’s right, title and interest in, to and under the following to the extent it constitutes Collateral (including giving effect to the proviso in Section 2(a) thereof) (all of the following items or types of Collateral being herein collectively referred to as the “**Patent Collateral**”), whether now owned or existing or hereafter acquired or arising:

- (i) each Patent owned by the Grantor, including, without limitation, each Patent referred to in Schedule 1 hereto;
- (ii) each Patent License to which the Grantor is a party, including, without limitation, each Patent License identified in Schedule 1 hereto; and
- (iii) all Proceeds of the foregoing.

The Grantor irrevocably appoints the Grantee its true and lawful attorney, with full power of substitution, in the name of the Grantor, any Secured Party or otherwise, for the sole use and benefit of the Secured Parties, but at the Borrower’s expense, to the extent permitted by Law to exercise, at any time and from time to time while any Event of Default shall have occurred and be continuing and/or an Enforcement Notice is in effect, all or any of the powers provided for in Section 15 of the Security Agreement with respect to all or any of the Patent Collateral.

The foregoing security interest has been granted under the Security Agreement. The Grantor acknowledges and affirms that the rights and remedies of the Grantee with respect to the security interest in the Patent Collateral granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event of a

conflict between the Security Agreement and this Patent Security Agreement, the terms of the Security Agreement shall control.

Upon termination of the Transaction Liens in the Patent Collateral pursuant to the Security Agreement, the security interests granted hereby shall automatically terminate and be released, and the Grantee will, at the expense of the Grantor, execute and deliver to the Grantor such documents, and take such other actions, as the Grantor shall reasonably request to evidence the termination of the security interests granted hereby.

Capitalized terms used but not defined herein but defined in the Security Agreement are used herein with the respective meanings provided for therein.

IN WITNESS WHEREOF, the Grantor has caused this Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of the 26th day of August, 2021.

WINDSTREAM INTELLECTUAL  
PROPERTY SERVICES, LLC

By: Michelle Simpson  
Name: Michelle Simpson  
Title: Vice President & Assistant Corporate Secretary

Acknowledged:

JPMORGAN CHASE BANK, N.A.,  
as Collateral Agent

By: \_\_\_\_\_  
Name:  
Title:

[Signature Page to Patent Security Agreement]

**PATENT**  
**REEL: 057526 FRAME: 0929**

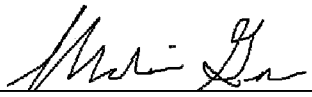
IN WITNESS WHEREOF, the Grantor has caused this Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of the 26 day of August, 2021.

WINDSTREAM INTELLECTUAL  
PROPERTY SERVICES, LLC

By: \_\_\_\_\_  
Name:  
Title:

Acknowledged:

JPMORGAN CHASE BANK, N.A.,  
as Collateral Agent

By:   
\_\_\_\_\_  
Name: Melanie George  
Title: Vice President

[Signature Page to Patent Security Agreement]

**PATENT**  
**REEL: 057526 FRAME: 0930**

**Schedule 1  
to Patent  
Security Agreement**

**PATENTS AND DESIGN PATENTS**

<b>Patent No.</b>	<b>Issued</b>	<b>Country</b>	<b>Title</b>
6,766,009	07/20/2004	US	Method and System for Correlating Telephone Calls with Information Delivery
6,839,422	01/04/2005	US	Method and Apparatus for Providing Local Call Treatment Discrimination for Selected Calls on a Switched Telephone Network
7,206,582	04/17/2007	US	Method, System and Apparatus for Call Path Reconfiguration
7,636,431	12/22/2009	US	Method and Apparatus for Subscriber Control of an Inbound Call
8,787,353	07/22/2014	US	Method and System for Directed Call Establishment to Facilitate the Provision of Enhanced Communications Services
6,795,835	09/21/2004	US	Migration of Computer Personalization Information
6,892,221	05/10/2005	US	Data Backup
8,095,624	01/10/2012	US	Architecture for Serving and Managing Independent Access Devices

**PATENT APPLICATIONS**

None.

**PATENT LICENSES**

None.