

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

EPAS ID: PAT5441270

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

**CONVEYING PARTY DATA**

Name	Execution Date
ZETTICS, INC.	02/26/2019

**RECEIVING PARTY DATA**

<b>Name:</b>	RIBBON COMMUNICATIONS SECURITIES CORP.
<b>Street Address:</b>	3605 E. PLANO PKWY
<b>City:</b>	PLANO
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	75074

**PROPERTY NUMBERS Total: 12**

Property Type	Number
Patent Number:	8108517
Patent Number:	8935381
Patent Number:	8195661
Patent Number:	8732170
Patent Number:	8755297
Patent Number:	8958313
Patent Number:	8775391
Patent Number:	8838784
Patent Number:	8462659
Patent Number:	8605597
Patent Number:	9003022
Patent Number:	9426049

**CORRESPONDENCE DATA**

**Fax Number:** (214)200-0853

*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:** 2146515000

**Email:** eppsl@haynesboone.com

**Correspondent Name:** HAYNES AND BOONE, LLP

**Address Line 1:** 2323 VICTORY AVENUE, SUITE 4000

**Address Line 2:** IP SECTION

**PATENT**

<b>Address Line 4:</b>	DALLAS, TEXAS 75219
<b>ATTORNEY DOCKET NUMBER:</b>	47856.4(ZETTIC TO RIBBON)
<b>NAME OF SUBMITTER:</b>	THOMAS W. KELTON
<b>SIGNATURE:</b>	/THOMAS W. KELTON/
<b>DATE SIGNED:</b>	03/26/2019
<b>Total Attachments: 7</b> source=Assignment-Zettics-TO-Ribbon#page1.tif source=Assignment-Zettics-TO-Ribbon#page2.tif source=Assignment-Zettics-TO-Ribbon#page3.tif source=Assignment-Zettics-TO-Ribbon#page4.tif source=Assignment-Zettics-TO-Ribbon#page5.tif source=Assignment-Zettics-TO-Ribbon#page6.tif source=Assignment-Zettics-TO-Ribbon#page7.tif	

## PATENT ASSIGNMENT

This PATENT ASSIGNMENT (this “**Patent Assignment**”), to be effective as of February 28, 2019, is made by Zettics, Inc., a Delaware corporation located at 4 Technology Park Drive, Westford, MA 01886 (the “**Assignor**”) to Ribbon Communications Securities Corp., a Massachusetts corporation located at 3605 E. Plano Pkwy, Plano, TX 75074 (“**Assignee**” and, together with Assignor, the “**Parties**”, and individually a “**Party**”). Capitalized terms used but not defined herein shall have the meanings ascribed to such terms in the Purchase Agreement (as defined below).

### WITNESSETH:

WHEREAS, the Assignor and Assignee are parties, together with the other parties thereto, to that certain Asset Purchase and Sale Agreement, dated as of January 31, 2019 (the “**Purchase Agreement**”), whereby the Assignor has agreed to, among other things, sell, transfer, assign, convey and deliver to Assignee, and Assignee has agreed to purchase, accept and acquire from Assignor, all of Assignor’s right, title and interest in, to and under all of the Purchased Assets, in accordance with the terms and conditions set forth in the Purchase Agreement, including the patents and patent applications forth in Schedule A attached hereto and made a part hereof (collectively referred to herein as the “**Assigned Patents**”); and

WHEREAS, Assignee wishes to acquire, and Assignor wishes to transfer all of the right, title and interest in and to the Assigned Patents.

NOW, THEREFORE, for \$1.00 (one U.S. dollar) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

#### **1. ASSIGNMENT.**

(a) Assignment. Assignor hereby unconditionally sells, transfers, assigns, conveys and delivers to Assignee all of Assignor’s right, title and interest in, to and under the Assigned Patents throughout the world, including, but not limited to, all benefits, privileges, causes of action, and remedies, including, without limitation, the exclusive rights to (a) apply for and maintain all registrations, renewals and extensions thereof, (b) bring actions for past, present and future infringement or other violation thereof, and (c) grant licenses or other interests therein.

(b) Recordation. Assignor hereby requests the Commissioner for Patents of the United States Patent and Trademark Office, and the equivalent entities or agencies in any applicable foreign countries, to record Assignee as the assignee and owner of the Assigned Patents.

#### **2. FURTHER ASSURANCES.**

Assignor hereby covenants and agrees to cooperate with Assignee, upon the reasonable request of Assignee, to take all commercially reasonable actions and to execute and deliver, or cause to be executed and delivered, all other documents and instruments reasonably necessary or appropriate to fully evidence, vest, perfect and confirm, document, record and carry out the sale, assignment, transfer and delivery of the Assigned Patents, as contemplated by the Purchase

Agreement and this Agreement.

### 3. MISCELLANEOUS.

(a) Amendment. This Agreement may not be amended or modified except by an instrument in writing signed by or on behalf of each of the Parties hereto.

(b) Notices. All notices or other communications or deliveries provided for under this Agreement shall be given as provided in the Purchase Agreement.

(c) Binding Effect; Assignment. This Agreement and all of the provisions hereof shall be binding upon and shall inure to the benefit of the Parties and their respective successors and assigns.

(d) Governing Law/Jurisdiction. This Agreement shall be interpreted, construed and governed in accordance with, and subject to the jurisdiction provided in, the Purchase Agreement.

(e) Counterparts. This Agreement may be executed in two or more counterparts (including exchange of signature pages by telecopy, e-mail or other means of electronic transmission) each of which shall be deemed to be an original, but all of which together shall constitute one and the same agreement.

(f) Incorporation. All schedules are incorporated by reference as if fully set forth herein.


(g) No Conflict. Nothing contained in this Agreement shall be deemed to modify, amend, or supersede any of the obligations or agreements of the Assignor or Assignee, or any other party contained in the Purchase Agreement. The Purchase Agreement is the exclusive source of the agreement and understanding between the Assignor and Assignee respecting the sale of the Purchased Assets. In the event of a conflict or inconsistency between the terms and conditions of this Agreement and the terms and conditions of the Purchase Agreement, the terms and conditions of the Purchase Agreement shall prevail.

*[Signature Page Follows]*

IN WITNESS WHEREOF, the Parties, intending to be bound, hereby execute this Patent Assignment.

**ASSIGNOR:**

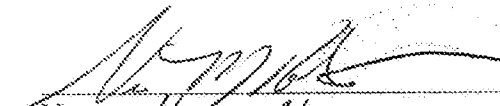
ZETTICS, INC.

By:   
Name: John St. Amant  
Title: CEO/President

**CERTIFICATE**

City of Woburn )  
State of Massachusetts )

On this 26<sup>th</sup> day of February, 2019, John St. Amant appeared before me in person and acknowledged the above to be his/her signature, and that he/she signed and delivered the above instrument as his/her voluntary act and deed for the purposes set forth herein.

  
Name: Nerissa M. Robert  
Notary Public  
State of Massachusetts

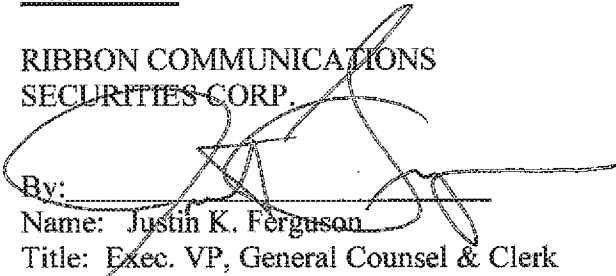


**NERISSA M. ROBERT**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
September 17, 2021

IN WITNESS WHEREOF, the Parties, intending to be bound, hereby execute this Patent Assignment.

ASSIGNEE:

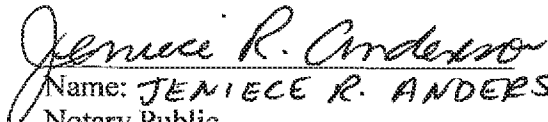
RIBBON COMMUNICATIONS  
SECURITIES CORP.

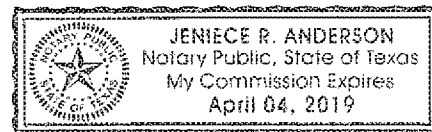
By:   
Name: Justin K. Ferguson  
Title: Exec. VP, General Counsel & Clerk

**CERTIFICATE**

City of Plano            )  
State of Texas         )

On this 27<sup>TH</sup> day of February, 2019, Justin K. Ferguson appeared before me in person and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes set forth herein.

  
Name: JENIECE R. ANDERSON  
Notary Public  
State of TEXAS



**SCHEDULE A**

<b>Patent/App #</b>	<b>Countries</b>	<b>Patent Description</b>	<b>Registration Date</b>	<b>Status</b>	<b>Owner</b>
8,108,517	US	System and Method for Collecting, Reporting and Analyzing data on application level activity and other user information in a mobile data network	1/31/2012	Granted	Zettics, Inc.
8,935,381	US	Method and Apparatus for Real-Time collection of information about application level activity and other user information in a mobile data network	1/13/2015	Granted	Zettics, Inc.
8,195,661	US	Method and Apparatus for Storing data on application-level activity and other user information to enable real-time multi-dimensional reporting about user of a mobile data network	6/5/2012	Granted	Zettics, Inc.
8,732,170	US	Method and Apparatus for Real-Time multi-dimensional Reporting and analyzing data on application level activity and other user information	5/20/2014	Granted	Zettics, Inc.

Patent/App #	Countries	Patent Description	Registration Date	Status	Owner
		in a mobile data network			
8,755,297	US	System and Method for Collecting, Reporting and Analyzing data on application level activity and other user information in a mobile data network (Continuation Application)	6/17/2014	Granted	Zettics, Inc.
8,958,313	US	Method and Apparatus for Storing data on application-level activity and other user information to enable real-time multi-dimensional reporting about user of a mobile data network (continuation)	2/17/2015	Granted	Zettics, Inc.
8,775,391	US	Method and sharing anonymous user profiles with a 3rd Party	7/8/2014	Granted	Zettics, Inc.
8,838,784	US	Method and Apparatus for Privacy Safe Actionable Analytics on Mobile data usage	9/16/2014	Granted	Zettics, Inc.
8,462,659	US	Method and Apparatus pertaining to the assessment of mobile communications	6/11/2013	Granted	Zettics, Inc.



Patent/App #	Countries	Patent Description	Registration Date	Status	Owner
		network infrastructure latency through high-speed channels			
8,605,597	US	Method and Apparatus pertaining to the assessment of mobile communications network infrastructure latency through high-speed channels (continuation)	12/10/2013	Granted	Zettics, Inc.
9,003,022	US	Determining an average effective data through-put as corresponds to a network served end user	4/7/2015	Granted	Zettics, Inc.
9,426,049	US	Domain Name Resolution	8/23/2016	Granted	Zettics, Inc.