

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM489635

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Vasona Networks, Inc.		09/11/2018	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	Silicon Valley Bank		
Street Address:	3003 Tasman Drive, HF150		
City:	Santa Clara		
State/Country:	CALIFORNIA		
Postal Code:	95054		
Entity Type:	Corporation: CALIFORNIA		
PROPERTY NUMBERS Total: 4			
Property Type	Number	Word Mark	
Serial Number:	86486614	SMARTVISION	
Serial Number:	85832795	SMARTAIR	
Serial Number:	85735087	V VASONA NETWORKS	
Serial Number:	85331750	VASONA NETWORKS	
CORRESPONDENCE DATA			
Fax Number:			
<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>			
Phone:	7033826485		
Email:	DHall@vlplawgroup.com		
Correspondent Name:	Davis Hall		
Address Line 1:	1029 N Stuart Street, Unit 200		
Address Line 4:	Arlington, VIRGINIA 22201		
NAME OF SUBMITTER:	Davis Hall		
SIGNATURE:	/DavisHall/		
DATE SIGNED:	09/12/2018		
Total Attachments: 10			
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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (“Agreement”) is entered into as of September 11, 2018, by and between SILICON VALLEY BANK (“Bank”) and VASONA NETWORKS, INC. (“Grantor”).

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the “Loans”) in the amounts and manner set forth in that certain Amended and Restated Loan and Security Agreement, by and between Bank and Grantor dated as of March 24, 2016, as amended by that certain First Amendment to Amended and Restated Loan and Security Agreement by and between Bank and Grantor dated September 11, 2018 (as the same may be further amended, modified or supplemented from time to time, the “Loan Agreement”; capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations of Grantor under the Loan Agreement.

B. 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, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

1. Grant of Security Interest. To secure its obligations under the Loan Agreement, 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 (all of which shall collectively be called the “Intellectual Property Collateral”), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work of authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the “Copyrights”);

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the “Patents”);

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the “Trademarks”);

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the “Mask Works”);

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Recordation. Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this Agreement upon request by Bank.

Grantor hereby authorizes Bank to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property Collateral which Grantor obtains subsequent to the date of this Agreement and (b) file a duplicate original of this Agreement containing amended exhibits reflecting such new Intellectual Property Collateral.

3. Loan Documents. This Agreement has been entered into pursuant to and in conjunction with the Loan Agreement, which is hereby incorporated by reference. The provisions of the Loan Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of Bank with respect to the Intellectual Property Collateral are as provided by the Loan Agreement and related documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed

counterpart of a signature page to this Agreement by facsimile or in electronic (i.e., “pdf” or “tif” format) shall be effective as delivery of a manually executed counterpart of this Agreement.

5. Successors and Assigns. This Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of California, without giving effect to any choice or conflict of law provision or rule (whether of the State of California or any other jurisdiction).

[Signature page follows.]

EXHIBIT A

Copyrights

<u>Description</u>	Registration/ Application <u>Number</u>	Registration/ Application <u>Date</u>
NONE		

EXHIBIT B

Patents

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
DEJITTERING SYSTEM	20180042036	02/08/2018
	15227076	08/03/2016
SIMULATING UNAUTHORIZED USE OF A CELLULAR COMMUNICATION NETWORK	9948672	04/17/2018
	20170324769	11/09/2017
	15150451	05/10/2016
MAXIMUM SUSTAINABLE ENCODING BIT RATES FOR VIDEO DOWNLOADS	20170310729	10/26/2017
	15480396	04/06/2017
RATING VIDEO-DOWNLOAD QUALITY	20170105045	04/13/2017
	14876850	10/07/2015
PERFORMANCE METRICS FOR DOWNLOADS OF ENCRYPTED VIDEO	10063922	08/28/2018
	20170070781	03/09/2017
	15352617	11/16/2016
IDENTIFYING BROWSING SESSIONS BASED ON TEMPORAL TRANSACTION PATTERN	9871875	01/16/2018
	20160308986	10/20/2016
	14685629	04/14/2015
BIT-RATE EXTRACTION FOR ENCRYPTED VIDEO	20160080238	03/17/2016
	14578579	12/22/2014
IDENTIFYING SERVICES PROVIDED OVER SECURED CONNECTIONS USING DNS CACHING	9521060	12/13/2016
	20160028607	01/28/2016
	14341809	07/27/2014
EFFICIENT PROCESSING OF VOICE-OVER-LTE CALL SETUP	9973449	05/15/2018
	20150365961	12/17/2015
	14738957	06/15/2015
PROXY SCHEMES FOR VOICE-OVER-LTE CALLS	9729474	08/08/2017
	20150365374	12/17/2015
	14738961	06/15/2015
METHOD AND DEVICE FOR QUALITY ASSESSMENT OF ENCRYPTED STREAMING MEDIA FLOWS	9258623	02/09/2016
	20150188894	07/02/2015
	14594136	01/11/2015

Adjusting Delaying Of Arrival Of Data At A Base Station	9345041	05/17/2016
	20150131538	05/14/2015
	14077764	11/12/2013
SUPERVISION OF DATA IN A WIRELESS NETWORK	20150131473	05/14/2015
	14077628	11/12/2013
REDUCING TIME PERIOD OF DATA TRAVEL IN A WIRELESS NETWORK	9397915	07/19/2016
	20150131459	05/14/2015
	14077715	11/12/2013
CONGESTION IN A WIRELESS NETWORK	10039028	07/31/2018
	20150131450	05/14/2015
	14077788	11/12/2013
TRIGGERING A SIGNALLING EVENT FROM THE DATA PLANE	9398625	07/19/2016
	20140341047	11/20/2014
	13895623	05/16/2013
REDUCING SIGNALING LOAD ON A MOBILE NETWORK	20140146665	05/29/2014
	13685241	11/26/2012
MANAGING STREAMING BANDWIDTH FOR MULTIPLE CLIENTS	9,253,103	02/02/2016
	20130138828	05/30/2013
	13305753	11/29/2011
METHOD AND COMPUTER READABLE MEDIUM FOR GATHERING USER EQUIPMENT LOCATION INFORMATION	8665858	03/04/2014
	20130072222	03/21/2013
	13426634	03/22/2012
EVALUATING A CAPACITY OF A CELL OF A RADIO ACCESS NETWORK	20130021928	01/24/2013
	13532834	06/26/2012
METHOD, SYSTEM AND COMPUTER READABLE MEDIUM FOR AFFECTING BIT RATE	8902753	12/02/2014
	20120269064	10/25/2012
	13426633	03/22/2012
Policy enforcer in a network that has a network address translator	9872185	01/16/2018
	13305750	11/29/2011
Streaming media flows management	9374404	06/21/2016
	13215413	08/23/2011
Device and method for quality assessment of encrypted streaming media flows	9143838	09/22/2015
	13225447	09/04/2011

Managing streaming bandwidth for multiple clients	9137278	09/15/2015
	13109019	05/17/2011
Evaluating a capacity of a cell of a radio access network	8976655	03/10/2015
	13532834	06/26/2012
Policy enforcer having load balancing capabilities	8817614	08/26/2014
	13305751	11/29/2011

EXHIBIT C

Trademarks

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
SMARTVISION	5037199	09/06/2016
	86486614	12/19/2014
SMARTAIR	4867411	12/08/2015
	85832795	01/25/2013
V VASONA NETWORKS	4485999	02/18/2014
	85735087	09/21/2012
VASONA NETWORKS	4335454	05/14/2013
	85331750	05/26/2011

EXHIBIT D

Mask Works

<u>Description</u>	Registration/ Application <u>Number</u>	Registration/ Application <u>Date</u>
NONE		