

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM313274

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	Notice of Grant of Security Interest in Intellectual Property		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Kineto Wireless, LLC		07/31/2014	LIMITED LIABILITY COMPANY: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Business Development Corporation of America, as Administrative Agent		
<b>Street Address:</b>	405 Park Avenue		
<b>Internal Address:</b>	3rd Floor		
<b>City:</b>	New York		
<b>State/Country:</b>	NEW YORK		
<b>Postal Code:</b>	10022		
<b>Entity Type:</b>	CORPORATION: DELAWARE		
<b>PROPERTY NUMBERS Total: 4</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	2908991	KINETO	
<b>Registration Number:</b>	2908992	KINETO	
<b>Registration Number:</b>	3009083	KINETO WIRELESS	
<b>Registration Number:</b>	3009084	KINETO WIRELESS	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	9192868199		
<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>	919 286-8000		
<b>Email:</b>	PTO_TMconfirmation@mvalaw.com		
<b>Correspondent Name:</b>	Moore & Van Allen PLLC		
<b>Address Line 1:</b>	430 Davis Drive		
<b>Address Line 2:</b>	Suite 500		
<b>Address Line 4:</b>	Morrisville, NORTH CAROLINA 27560		
<b>ATTORNEY DOCKET NUMBER:</b>	036889.0085		
<b>NAME OF SUBMITTER:</b>	John E. Slaughter		
<b>SIGNATURE:</b>	/John E. Slaughter/		
<b>DATE SIGNED:</b>	08/07/2014		

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**Total Attachments: 12**

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NOTICE  
OF  
GRANT OF SECURITY INTEREST  
IN  
INTELLECTUAL PROPERTY

United States Patent and Trademark Office

Ladies and Gentlemen:


Please be advised that pursuant to the Security and Pledge Agreement dated as of July 31, 2014 (as the same may be amended, modified, extended, supplemented or restated from time to time, the "Security Agreement") by and among the Grantors party thereto and Business Development Corporation of America, in its capacity as administrative agent (the "Agent") for the Lenders referenced therein, the undersigned Grantors have granted a continuing security interest in and continuing lien upon intellectual property shown on Schedule 1 hereto to the Agent for the ratable benefit of the Lenders referenced in the Security Agreement. Capitalized terms not otherwise defined herein shall have the meanings ascribed to such terms in the Security Agreement.

The Grantors and the Agent, on behalf of the Lenders referenced in the Security Agreement, hereby acknowledge and agree that the security interest in the intellectual property shown on Schedule 1 hereto (i) may only be terminated in accordance with the terms of the Security Agreement and (ii) is not to be construed as an assignment of any such item of intellectual property or any application therefor.

[Remainder of page intentionally left blank – Signature page to follow]

Very truly yours,


TAQUA, LLC, a Texas limited liability company

By:   
Name: ERIC PRATT  
Title: CEO

TAQUA WBH, LLC, a Delaware limited liability company

By:   
Name: ERIC PRATT  
Title: CEO

KINETO WIRELESS, LLC, a Delaware limited liability company

By:   
Name: ERIC PRATT  
Title: CEO

IP NOTICE  
TAQUA, LLC

Acknowledged and Accepted:

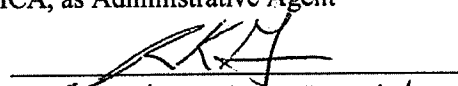
ADMINISTRATIVE  
AGENT:

BUSINESS DEVELOPMENT CORPORATION OF  
AMERICA, as Administrative Agent

By:

Name:

Title:

  
Robert K. Grunewald  
CFO

IP NOTICE  
TAQUA, LLC

TRADEMARK  
REEL: 005338 FRAME: 0962

**Schedule 1**

**Kineto Wireless, LLC  
(Delaware Limited Liability Company)**

**U.S. Patents**

**Issued Patents**

<b>Title</b>	<b>Patent No.</b>	<b>Issue Date</b>
METHOD AND APPARATUS FOR USER EQUIPMENT REGISTRATION	8204502	06/19/12
HANDOVER MESSAGING IN AN UNLICENSED MOBILE ACCESS TELECOMMUNICATIONS SYSTEM	8165585	04/24/12
METHOD OF PROVIDING IMPROVED INTEGRATED COMMUNICATION SYSTEM DATA SERVICE	8165086	04/24/12
METHOD AND APPARATUS FOR SUPPORTING THE HANDOVER OF A TELECOMMUNICATION SESSION BETWEEN A LICENSED WIRELESS SYSTEM AND AN UNLICENSED WIRELESS SYSTEM	8160588	04/17/12
METHOD AND APPARATUS FOR ESTABLISHING TRANSPORT CHANNELS FOR A FEMTOCELL	8150397	04/03/12
APPARATUS AND MESSAGES FOR INTERWORKING BETWEEN UNLICENSED ACCESS NETWORK AND GPRS NETWORK FOR DATA SERVICES	8130703	03/06/12
NETWORK CONTROLLER MESSAGING FOR RELEASE IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	8090371	01/03/12
METHOD AND APPARATUS FOR SECURING COMMUNICATION BETWEEN AN ACCESS POINT AND A NETWORK CONTROLLER	8073428	12/06/11
METHOD AND APPARATUS FOR NETWORK CONTROLLER SELECTION IN A VOICE OVER LONG TERM EVOLUTION VIA GENERIC ACCESS SYSTEM	8064907	11/22/11
MOBILE STATION MESSAGING FOR CHANNEL ACTIVATION IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	8054165	11/08/11
MECHANISMS TO EXTEND UMA OR GAN TO INTERWORK WITH UMTS CORE NETWORK	8045493	10/25/11
POWER MANAGEMENT MECHANISM FOR UNLICENSED WIRELESS COMMUNICATION SYSTEMS	8041385	10/18/11
METHOD AND APPARATUS FOR ROUTING OF EMERGENCY SERVICES FOR UNAUTHORIZED USER EQUIPMENT IN A HOME NODE B SYSTEM	8041335	10/18/11
METHOD AND APPARATUS FOR DETERMINING ROVE-OUT	8036664	10/11/11
FEMTOCELL INTEGRATION INTO THE MACRO NETWORK	8019331	09/13/11
METHOD AND APPARATUS FOR ACTIVATING	8005076	08/23/11

TRANSPORT CHANNELS IN A PACKET SWITCHED COMMUNICATION SYSTEM		
METHOD FOR AUTHENTICATING ACCESS TO AN UNLICENSED WIRELESS COMMUNICATIONS SYSTEM USING A LICENSED WIRELESS COMMUNICATIONS SYSTEM AUTHENTICATION PROCESS	7996009	08/09/11
METHOD AND APPARATUS FOR PREVENTING THEFT OF SERVICE IN A COMMUNICATION SYSTEM	7995994	08/09/11
REGISTRATION MESSAGING IN AN UNLICENSED MOBILE ACCESS TELECOMMUNICATIONS SYSTEM	7974624	07/05/11
MEDIA ROUTE OPTIMIZATION IN NETWORK COMMUNICATIONS	7974270	07/05/11
METHOD AND SYSTEM FOR SIGNALING TRAFFIC AND MEDIA TYPES WITHIN A COMMUNICATIONS NETWORK SWITCHING SYSTEM	7957348	06/07/11
MESSAGING IN AN UNLICENSED MOBILE ACCESS TELECOMMUNICATIONS SYSTEM	7953423	05/31/11
APPARATUS AND METHOD FOR EXTENDING THE COVERAGE AREA OF A LICENSED WIRELESS COMMUNICATION SYSTEM USING AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7949326	05/24/11
METHODS AND APPARATUSES FOR EFFECTING HANDOVER IN INTEGRATED WIRELESS SYSTEMS	7933598	04/26/11
METHOD AND SYSTEM FOR DETERMINING THE LOCATION OF AN UNLICENSED MOBILE ACCESS SUBSCRIBER	7929977	04/19/11
GENERIC ACCESS TO THE IU INTERFACE	7912004	03/22/11
INTELLIGENT ACCESS POINT SCANNING WITH SELF-LEARNING CAPABILITY	7904084	03/08/11
METHOD FOR AUTOMATIC AND SEAMLESS CALL TRANSFERS BETWEEN A LICENSED WIRELESS SYSTEM AND AN UNLICENSED WIRELESS SYSTEM	7890099	02/15/11
METHOD AND SYSTEM OF PROVIDING LANDLINE EQUIVALENT LOCATION INFORMATION OVER AN INTEGRATED COMMUNICATION SYSTEM	7885644	10/02/08
METHOD AND SYSTEM FOR REGISTERING AN UNLICENSED MOBILE ACCESS SUBSCRIBER WITH A NETWORK CONTROLLER	7873015	01/18/11
GENERIC ACCESS TO THE IU INTERFACE	7852817	12/14/10
MECHANISMS TO EXTEND UMA OR GAN TO INTERWORK WITH UMTS CORE NETWORK	7843900	11/30/10
MOBILE STATION MESSAGING FOR CIPHERING IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7818007	10/19/10
NETWORK CONTROLLER MESSAGING FOR CHANNEL ACTIVATION IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7773993	08/10/10
MOBILE STATION MESSAGING FOR REGISTRATION IN AN UNLICENSED WIRELESS COMMUNICATION	7769385	08/03/10

SYSTEM		
METHODS AND APPARATUSES TO INDICATE FIXED TERMINAL CAPABILITIES	7756546	07/13/10
APPARATUS FOR SUPPORTING THE HANDOVER OF A TELECOMMUNICATION SESSION BETWEEN A LICENSED WIRELESS SYSTEM AND AN UNLICENSED WIRELESS SYSTEM	7720481	05/18/10
NETWORK CONTROLLER MESSAGING FOR CIPHERING IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7684803	03/23/10
NETWORK CONTROLLER MESSAGING FOR PAGING IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7668558	02/23/10
APPARATUS AND METHOD FOR EXTENDING THE COVERAGE AREA OF A LICENSED WIRELESS COMMUNICATION SYSTEM USING AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7640008	12/29/09
GSM SIGNALING PROTOCOL ARCHITECTURE FOR AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7634271	12/15/09
GPRS DATA PROTOCOL ARCHITECTURE FOR AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7634270	12/15/09
APPARATUS AND METHOD FOR EXTENDING THE COVERAGE AREA OF A LICENSED WIRELESS COMMUNICATION SYSTEM USING AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7634269	12/15/09
MESSAGING FOR REGISTRATION IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7606568	10/20/09
APPARATUS AND MESSAGES FOR INTERWORKING BETWEEN UNLICENSED ACCESS NETWORK AND GPRS NETWORK FOR DATA SERVICES	7606190	10/20/09
APPARATUS FOR SUPPORTING THE HANDOVER OF A TELECOMMUNICATION SESSION BETWEEN A LICENSED WIRELESS SYSTEM AND AN UNLICENSED WIRELESS SYSTEM	7574213	08/11/09
HANDOVER MESSAGING IN AN UNLICENSED MOBILE ACCESS TELECOMMUNICATIONS SYSTEM	7565145	07/21/09
INTELLIGENT ACCESS POINT SCANNING WITH SELF-LEARNING CAPABILITY	7515575	04/07/09
CHANNEL ACTIVATION MESSAGING IN AN UNLICENSED MOBILE ACCESS TELECOMMUNICATIONS SYSTEM	7471655	12/30/08
SERVICE ACCESS CONTROL INTERFACE FOR AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7454207	11/18/08
METHOD AND SYSTEM FOR DETERMINING THE LOCATION OF AN UNLICENSED MOBILE ACCESS SUBSCRIBER	7369859	05/06/08
RELEASE OF RADIO RESOURCES IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7369854	05/06/08
REGISTRATION MESSAGING IN AN UNLICENSED	7349698	03/25/08



MOBILE ACCESS TELECOMMUNICATIONS SYSTEM		
MOBILE STATION IMPLEMENTATION FOR SWITCHING BETWEEN LICENSED AND UNLICENSED WIRELESS SYSTEMS	7324818	01/29/08
APPARATUS FOR SUPPORTING THE HANDOVER OF A TELECOMMUNICATION SESSION BETWEEN A LICENSED WIRELESS SYSTEM AND AN UNLICENSED WIRELESS SYSTEM	7308263	12/11/07
SERVICE ACCESS CONTROL INTERFACE FOR AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7283822	10/16/07
RADIO RESOURCES MESSAGING FOR A MOBILE STATION IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7283821	10/16/07
SERVICE ACCESS CONTROL INTERFACE FOR AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7272397	09/18/07
RADIO RESOURCES MESSAGING IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7245916	07/17/07
REGISTRATION MESSAGING FOR A MOBILE STATION IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7215961	05/08/07
GPRS SIGNALING PROTOCOL ARCHITECTURE FOR AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7212819	05/01/07
REGISTRATION MESSAGING FOR AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7209744	04/24/07
CIPHERING CONFIGURATION PROCEDURE IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7200399	04/03/07
MOBILE STATION CIPHERING CONFIGURATION PROCEDURE IN AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7197309	03/27/07
ARCHITECTURE OF AN UNLICENSED WIRELESS COMMUNICATION SYSTEM WITH A GENERIC ACCESS POINT	7171205	01/30/07
APPARATUS AND METHOD FOR EXTENDING THE COVERAGE AREA OF A LICENSED WIRELESS COMMUNICATION SYSTEM USING AN UNLICENSED WIRELESS COMMUNICATION SYSTEM	7127250	10/24/06
MOBILE STATION GPRS IMPLEMENTATION FOR SWITCHING BETWEEN LICENSED AND UNLICENSED WIRELESS SYSTEMS	7107055	09/12/06
UNLICENSED WIRELESS COMMUNICATIONS BASE STATION TO FACILITATE UNLICENSED AND LICENSED WIRELESS COMMUNICATIONS WITH A SUBSCRIBER DEVICE, AND METHOD OF OPERATION	6922559	07/26/05
APPARATUS AND METHOD FOR INTEGRATING AN UNLICENSED WIRELESS COMMUNICATIONS SYSTEM AND A LICENSED WIRELESS COMMUNICATIONS SYSTEM	6647426	11/11/03

**Pending Application**

Title	Appl. No.	Filing Date
SYSTEM AND METHOD FOR DUAL MODE COMMUNICATION	12977037 20110286343	12/22/10

**Taqua, LLC**  
**(Texas Limited Liability Company)**

**U.S. Patents**

**Issued Patents**

<b>Title</b>	<b>Patent No.</b>	<b>Issue Date</b>
MULTIPLE APPLICATION SWITCHING PLATFORM AND METHOD	6381239	04/30/02
MOBILE SERVICES CONTROL PLATFORM PROVIDING A CONVERGED VOICE SERVICE	7818008	10/19/10
MOBILE SERVICES CONTROL PLATFORM PROVIDING A MESSAGE FORWARDING SERVICE	7181217	02/20/07
MOBILE SERVICES CONTROL PLATFORM PROVIDING A CONVERGED VOICE SERVICE	7136651	11/14/06
METHOD AND APPARATUS FOR CONVERGING LOCAL AREA AND WIDE AREA WIRELESS DATA NETWORKS	7239632	07/03/07
MOBILE SERVICES CONTROL PLATFORM PROVIDING A MESSAGE FORWARDING SERVICE	7634281	12/15/09
METHOD AND APPARATUS FOR CONVERGING LOCAL AREA AND WIDE AREA WIRELESS DATA NETWORKS	7782848	08/24/10

**Pending Applications**

<b>Title</b>	<b>Appl. No.</b>	<b>Filing Date</b>
METHOD AND APPARATUS FOR SUPPORTING SIP/IMS-BASED FEMTOCELLS	12172238 20090067417	07/13/08
CORE EMERGENCY SERVICE SUPPORT FOR MOBILE COMMUNICATION DEVICES	12403991	03/13/09
SYSTEMS AND METHODS FOR PROVIDING FEMTOCELL HOSTED SERVICES	13829165	03/14/13

**Taqua WBH, LLC**  
**(Delaware Limited Liability Company)**

**U.S. Patents**

**Issued Patent**

Title	Patent No.	Issue Date
METHOD AND SYSTEM FOR FREQUENCY REUSE IN MULTI-CELL DEPLOYMENT MODEL OF A WIRELESS BACKHAUL NETWORK	8326307	12/04/12

**Pending Applications**

Title	Appl. No.	Filing Date
METHOD AND SYSTEM FOR ADAPTIVE RESOURCE ALLOCATION	13284669 20120106341	10/28/11
ANTENNA POINTING FOR MULTIPLE-INPUT-MULTIPLE-OUT (MIMO) DEVICES	13412222 20130230088	03/05/12
METHODS AND SYSTEMS FOR FREQUENCY REUSE IN MULTI-CELL DEPLOYMENT MODEL OF A WIRELESS BACKHAUL NETWORK	13427472 20130029674	03/22/12
OPPORTUNISTIC WIRELESS RESOURCE UTILIZATION USING DYNAMIC TRAFFIC SHAPING	13600089 20140064077	08/30/12
SYSTEMS AND METHODS OPTIMIZING BACKHAUL TRANSPORT	13712543 20140160939	12/12/12
METHODS AND SYSTEMS FOR ADAPTIVE BUFFER ALLOCATION IN SYSTEMS WITH ADAPTIVE RESOURCE ALLOCATION	13915280	06/11/13
CENTRALIZED CIRCUIT SWITCH FALLBACK	14046611	10/04/13
SELECTIVELY DISALLOWING USE OF MEDIA OVER DATA CALLING IN A SEGMENT BASED ON SEGMENT CHARACTERISTICS	14094518	12/02/13

**Kineto Wireless, LLC**  
**(Delaware Limited Liability Company)**

**U.S. Trademarks**

**Registered Marks**

<b>Mark</b>	<b>Reg. No.</b>	<b>Reg. Date</b>
KINETO	2908991	07/10/10
KINETO	2908992	07/09/10
KINETO WIRELESS and Design	3009083	11/05/10
KINETO WIRELESS and Design	3009084	11/05/10

**Taqua, LLC**  
**(Texas Limited Liability Company)**

**U.S. Trademarks**

**Registered Marks**

<b>Mark</b>	<b>Reg. No.</b>	<b>Reg. Date</b>
TAQUA	3440290	06/03/08
MERITUS	2927776	02/22/05
TAQUA	2463564	06/26/11
TAQUAWORKS	3601303	04/07/09
TATARA	2990222	08/30/05