#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4074082

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

#### **CONVEYING PARTY DATA**

Name	Execution Date
BUSINESS DEVELOPMENT CORPORATION OF AMERICA, AS ADMINISTRATIVE AGENT	09/26/2016

#### **RECEIVING PARTY DATA**

Name:	KINETO WIRELESS, LLC
Street Address:	740 E. CAMPBELL RD. STE 200
City:	RICHARDSON
State/Country:	TEXAS
Postal Code:	75081

#### **PROPERTY NUMBERS Total: 70**

Property Type	Number
Patent Number:	7890099
Patent Number:	6647426
Patent Number:	6922559
Patent Number:	7996009
Patent Number:	7308263
Patent Number:	7127250
Patent Number:	7634269
Patent Number:	7640008
Patent Number:	7933598
Patent Number:	7756546
Patent Number:	7369859
Patent Number:	7873015
Patent Number:	8041385
Patent Number:	7957348
Patent Number:	7606190
Patent Number:	7471655
Patent Number:	7349698
Patent Number:	7953423
Patent Number:	7565145
Patent Number:	7843900

<u>PATENT</u>

REEL: 040173 FRAME: 0114

Property Type	Number
Patent Number:	7515575
Patent Number:	7974270
Patent Number:	7215961
Patent Number:	7209744
Patent Number:	7283821
Patent Number:	7245916
Patent Number:	7369854
Patent Number:	7606568
Patent Number:	7324818
Patent Number:	7197309
Patent Number:	7200399
Patent Number:	7107055
Patent Number:	7171205
Patent Number:	7212819
Patent Number:	7634270
Patent Number:	7634271
Patent Number:	7272397
Patent Number:	7283822
Patent Number:	7720481
Patent Number:	7885644
Patent Number:	8165086
Patent Number:	7912004
Patent Number:	7852817
Patent Number:	7454207
Patent Number:	8036664
Patent Number:	8204502
Patent Number:	8073428
Patent Number:	7995994
Patent Number:	8150397
Patent Number:	8005076
Patent Number:	7929977
Patent Number:	7974624
Patent Number:	7574213
Patent Number:	8019331
Patent Number:	7773993
Patent Number:	8090371
Patent Number:	7668558
Patent Number:	7684803

Property Type	Number
Patent Number:	7949326
Patent Number:	7818007
Patent Number:	7769385
Patent Number:	7904084
Patent Number:	8041335
Patent Number:	8064907
Patent Number:	8165585
Patent Number:	8130703
Patent Number:	8160588
Patent Number:	8054165
Patent Number:	8045493
Patent Number:	9265073

#### **CORRESPONDENCE DATA**

**Fax Number:** (732)936-1401

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.

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Email: stephenstraub@sp-ip.com
Correspondent Name: STEPHEN T. STRAUB

Address Line 1: 788 SHREWSBURY AVENUE

Address Line 4: TINTON FALLS, NEW JERSEY 07724

ATTORNEY DOCKET NUMBER:	SNS-125
NAME OF SUBMITTER:	STEPHEN T. STRAUB
SIGNATURE:	/Stephen T. STRAUB, Reg. No. 43,938/
DATE SIGNED:	09/28/2016

#### **Total Attachments: 12**

source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page1.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page2.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page3.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page4.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page5.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page7.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page8.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page9.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page10.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page10.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page11.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page11.tif source=BDCA-Taqua-Executed-Termination-and-Release of IP Security Interest#page11.tif

### TERMINATION AND RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY

This TERMINATION AND RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY, dated as of September 26, 2016 ("Release"), is made by Business Development Corporation of America, as Administrative Agent ("Administrative Agent") in favor of Kineto Wireless, LLC, a Delaware limited liability company, Taqua, LLC, a Texas limited liability company, and Taqua WBH, LLC, a Delaware limited liability company (each a "Grantor"), and collectively, the "Grantors").

WHEREAS, pursuant to that certain Security and Pledge Agreement dated as of July 31, 2014 (as amended, restated, supplemented, modified, extended, renewed or replaced from time to time, the "Security Agreement") by and among the Grantors, Administrative Agent, and others party thereto, each Grantor granted to the Administrative Agent, for the ratable benefit of the Lenders, a continuing security interest in such Grantor's right, title and interest in and to all Patents, Patent Licenses, Trademarks, Trademark Licenses, and Proceeds of the foregoing (collectively, "IP Collateral"); and

WHEREAS, pursuant to the Security Agreement, Grantors executed and delivered to Administrative Agent, for the benefit of the Lenders, the Notice of Grant of Security Interest in Intellectual Property recorded at the United States Patent and Trademark Office ("USPTO") on August 7, 2014 at Reel 033492 Frame 0826, on August 7, 2014 at Reel 033492 Frame 0956, on August 7, 2014 at Reel 033493 Frame 0961, on August 7, 2014 at Reel 5338 Frame 0958, and on August 7, 2014 at Reel 5339 Frame 0001 ("Notice").

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Administrative Agent, on behalf of the Lenders, and Grantors agree as follows:

- **SECTION 1.** <u>Defined Terms</u>. All capitalized terms used herein but not otherwise defined herein have the meanings given to them in the Security Agreement or Notice.
- **SECTION 2.** <u>Termination and Release</u>. Administrative Agent, on behalf of the Lenders, without representation, warranty, or recourse, hereby:
- (a) terminates, cancels, discharges, and releases the mortgage, pledge, and hypothecation and lien on and security interest in and to each Grantor's right, title, and interest in, to, and under all the IP Collateral, including, but not limited to, the foregoing listed on Schedule A attached hereto, granted pursuant to the Security Agreement or Notice; and
  - (b) authorizes the recordation of this Release with the USPTO at Grantors' expense.
- **SECTION 3.** Choice of Law. This Release shall be governed by and construed in accordance with the laws of the State of New York.

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IN WITNESS WHEREOF, the Administrative Agent, on behalf of the Lenders, has caused this Termination and Release of Security Interest in Intellectual Property to be duly executed as of the date first set forth above.

Administrative Agent:

Business Development Corporation of America,

as Administrative Agent

Name:/

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Date: 4/26/15

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#### Schedule A

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

# U.S. Patents Subject to Security Interest Granted by Kineto Wireless, LLC In Favor of Business Development Corporation of America, as Administrative Agent Recorded August 7, 2014 at Reel 033492 Frame 0826

#### **Issued Patents**

Title	Patent No.	Issue Date
METHOD AND APPARATUS FOR USER EQUIPMENT	8204502	06/19/12
REGISTRATION		
HANDOVER MESSAGING IN AN UNLICENSED	8165585	04/24/12
MOBILE ACCESS TELECOMMUNICATIONS SYSTEM		
METHOD OF PROVIDING IMPROVED INTEGRATED	8165086	04/24/12
COMMUNICATION SYSTEM DATA SERVICE		
METHOD AND APPARATUS FOR SUPPORTING THE	8160588	04/17/12
HANDOVER OF A TELECOMMUNICATION SESSION		
BETWEEN A LICENSED WIRELESS SYSTEM AND AN		
UNLICENSED WIRELESS SYSTEM		
METHOD AND APPARATUS FOR ESTABLISHING	8150397	04/03/12
TRANSPORT CHANNELS FOR A FEMTOCELL		
APPARATUS AND MESSAGES FOR INTERWORKING	8130703	03/06/12
BETWEEN UNLICENSED ACCESS NETWORK AND		
GPRS NETWORK FOR DATA SERVICES	ger 1000000000000000000000000000000000000	
NETWORK CONTROLLER MESSAGING FOR RELEASE	8090371	01/03/12
IN AN UNLICENSED WIRELESS COMMUNICATION		
SYSTEM	***************************************	
METHOD AND APPARATUS FOR SECURING	8073428	12/06/11
COMMUNICATION BETWEEN AN ACCESS POINT		
AND A NETWORK CONTROLLER		
METHOD AND APPARATUS FOR NETWORK	8064907	11/22/11
CONTROLLER SELECTION IN A VOICE OVER LONG		
TERM EVOLUTION VIA GENERIC ACCESS SYSTEM		
MOBILE STATION MESSAGING FOR CHANNEL	8054165	11/08/11
ACTIVATION IN AN UNLICENSED WIRELESS		
COMMUNICATION SYSTEM		
MECHANISMS TO EXTEND UMA OR GAN TO INTER-	8045493	10/25/11
WORK WITH UMTS CORE NETWORK		
POWER MANAGEMENT MECHANISM FOR	8041385	10/18/11
UNLICENSED WIRELESS COMMUNICATION		
SYSTEMS  METHOD AND ADDADAGUE FOR DOMERNIC OF	0041808	2.5.45.4.3
METHOD AND APPARATUS FOR ROUTING OF	8041335	10/18/11
EMERGENCY SERVICES FOR UNAUTHORIZED USER		
EQUIPMENT IN A HOME NODE B SYSTEM	2027	
METHOD AND APPARATUS FOR DETERMINING	8036664	10/11/11
ROVE-OUT	***************************************	

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NETWORK CONTROLLER MESSAGING FOR CHANNEL ACTIVATION IN AN UNLICENSED	7773993	08/10/10
WIRELESS COMMUNICATION SYSTEM		
MOBILE STATION MESSAGING FOR REGISTRATION	7769385	08/03/10
IN AN UNLICENSED WIRELESS COMMUNICATION		
SYSTEM		
METHODS AND APPARATUSES TO INDICATE FIXED	7756546	07/13/10
TERMINAL CAPABILITIES		
APPARATUS FOR SUPPORTING THE HANDOVER OF A	7720481	05/18/10
TELECOMMUNICATION SESSION BETWEEN A		
LICENSED WIRELESS SYSTEM AND AN UNLICENSED		
WIRELESS SYSTEM		
NETWORK CONTROLLER MESSAGING FOR	7684803	03/23/10
CIPHERING IN AN UNLICENSED WIRELESS		M 99/1999 (1.1991.1991.)
COMMUNICATION SYSTEM		
NETWORK CONTROLLER MESSAGING FOR PAGING	7668558	02/23/10
IN AN UNLICENSED WIRELESS COMMUNICATION		
SYSTEM		
APPARATUS AND METHOD FOR EXTENDING THE	7640008	12/29/09
COVERAGE AREA OF A LICENSED WIRELESS		
COMMUNICATION SYSTEM USING AN UNLICENSED		
WIRELESS COMMUNICATION SYSTEM		
GSM SIGNALING PROTOCOL ARCHITECTURE FOR	7634271	12/15/09
AN UNLICENSED WIRELESS COMMUNICATION		
SYSTEM		
GPRS DATA PROTOCOL ARCHITECTURE FOR AN	7634270	12/15/09
UNLICENSED WIRELESS COMMUNICATION SYSTEM		
APPARATUS AND METHOD FOR EXTENDING THE	7634269	12/15/09
COVERAGE AREA OF A LICENSED WIRELESS		
COMMUNICATION SYSTEM USING AN UNLICENSED		
WIRELESS COMMUNICATION SYSTEM		
MESSAGING FOR REGISTRATION IN AN	7606568	10/20/09
UNLICENSED WIRELESS COMMUNICATION SYSTEM		:
APPARATUS AND MESSAGES FOR INTERWORKING	7606190	10/20/09
BETWEEN UNLICENSED ACCESS NETWORK AND		
GPRS NETWORK FOR DATA SERVICES		
APPARATUS FOR SUPPORTING THE HANDOVER OF A	7574213	08/11/09
TELECOMMUNICATION SESSION BETWEEN A	10 to 1 0 m = 100	
LICENSED WIRELESS SYSTEM AND AN UNLICENSED		
WIRELESS SYSTEM		
HANDOVER MESSAGING IN AN UNLICENSED	7565145	07/21/09
MOBILE ACCESS TELECOMMUNICATIONS SYSTEM		
INTELLIGENT ACCESS POINT SCANNING WITH SELF-	7515575	04/07/09
LEARNING CAPABILITY		E 10 - M. M.
CHANNEL ACTIVATION MESSAGING IN AN	7471655	12/30/08
UNLICENSED MOBILE ACCESS		
TELECOMMUNICATIONS SYSTEM		
SERVICE ACCESS CONTROL INTERFACE FOR AN	7454207	11/18/08
UNLICENSED WIRELESS COMMUNICATION SYSTEM	- is record	
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METHOD AND SYSTEM FOR DETERMINING THE	7369859	05/06/08
LOCATION OF AN UNLICENSED MOBILE ACCESS		
SUBSCRIBER		
RELEASE OF RADIO RESOURCES IN AN UNLICENSED	7369854	05/06/08
WIRELESS COMMUNICATION SYSTEM		2000 200000 20 2
REGISTRATION MESSAGING IN AN UNLICENSED	7349698	03/25/08
MOBILE ACCESS TELECOMMUNICATIONS SYSTEM		
MOBILE STATION IMPLEMENTATION FOR	7324818	01/29/08
SWITCHING BETWEEN LICENSED AND UNLICENSED		
WIRELESS SYSTEMS		
APPARATUS FOR SUPPORTING THE HANDOVER OF A	7308263	12/11/07
TELECOMMUNICATION SESSION BETWEEN A		100000 10000000 1
LICENSED WIRELESS SYSTEM AND AN UNLICENSED		
WIRELESS SYSTEM		
SERVICE ACCESS CONTROL INTERFACE FOR AN	7283822	10/16/07
UNLICENSED WIRELESS COMMUNICATION SYSTEM	. The second second second	1
RADIO RESOURCES MESSAGING FOR A MOBILE	7283821	10/16/07
STATION IN AN UNLICENSED WIRELESS	, = x, y v ,	********
COMMUNICATION SYSTEM		
SERVICE ACCESS CONTROL INTERFACE FOR AN	7272397	09/18/07
UNLICENSED WIRELESS COMMUNICATION SYSTEM	1.50 7.50(5.5)	03/10/0/
RADIO RESOURCES MESSAGING IN AN UNLICENSED	7245916	07/17/07
WIRELESS COMMUNICATION SYSTEM	12.15510	07777
REGISTRATION MESSAGING FOR A MOBILE	7215961	05/08/07
STATION IN AN UNLICENSED WIRELESS	1210201	OS/GG/G/
COMMUNICATION SYSTEM		
GPRS SIGNALING PROTOCOL ARCHITECTURE FOR	7212819	05/01/07
AN UNLICENSED WIRELESS COMMUNICATION	1212019	(d)Diameter
SYSTEM		
REGISTRATION MESSAGING FOR AN UNLICENSED	7209744	04/24/07
WIRELESS COMMUNICATION SYSTEM	1207/33	U4/24/U/
CIPHERING CONFIGURATION PROCEDURE IN AN	7200399	04/03/07
UNLICENSED WIRELESS COMMUNICATION SYSTEM	1200399	04103101
MOBILE STATION CIPHERING CONFIGURATION	7197309	03/27/07
PROCEDURE IN AN UNLICENSED WIRELESS	/19/309	03/2//07
COMMUNICATION SYSTEM		
ARCHITECTURE OF AN UNLICENSED WIRELESS	7171705	01/20/07
COMMUNICATION SYSTEM WITH A GENERIC	7171205	01/30/07
ACCESS POINT		
APPARATUS AND METHOD FOR EXTENDING THE	7127750	10/24/07
COVERAGE AREA OF A LICENSED WIRELESS	7127250	10/24/06
COMMUNICATION SYSTEM USING AN UNLICENSED		
WIRELESS COMMUNICATION SYSTEM		
MOBILE STATION GPRS IMPLEMENTATION FOR	7107055	00/12/02
SWITCHING BETWEEN LICENSED AND UNLICENSED	7107055	09/12/06
WIRELESS SYSTEMS		
<u> </u>	(0002550	09/82/05
UNLICENSED WIRELESS COMMUNICATIONS BASE	6922559	07/26/05
STATION TO FACILITATE UNLICENSED AND		
LICENSED WIRELESS COMMUNICATIONS WITH A		₩
SUBSCRIBER DEVICE, AND METHOD OF OPERATION		

APPARATUS AND METHOD FOR INTEGRATING AN	6647426	11/11/03	
UNLICENSED WIRELESS COMMUNICATIONS			ĺ
SYSTEM AND A LICENSED WIRELESS			ļ
COMMUNICATIONS SYSTEM			

#### Patent Application

Title		Filing Date
SYSTEM AND METHOD FOR DUAL MODE	12977037	12/22/10
COMMUNICATION	20110286343	

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

#### U.S. Patents Subject to Security Interest Granted by Taqua, LLC

In Favor of Business Development Corporation of America, as Administrative Agent Recorded August 7, 2014 at Reel 033492 Frame 0956

#### **Issued Patents**

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

#### Patent Applications

Title	Appl. No.	Filing Date
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

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

# U.S. Patents Subject to Security Interest Granted by Taqua WBH, LLC In Favor of Business Development Corporation of America, as Administrative Agent Recorded August 7, 2014 at Reel 033493 Frame 0061

#### Issued Patent

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

#### **Patent Applications**

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

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

## U.S. Trademarks Subject to Security Interest Granted by Kineto Wireless, LLC In Favor of Business Development Corporation of America, as Administrative Agent Recorded August 7, 2014 at Reel 5338 Frame 0958

#### Trademark Registrations

Mark	Reg. No.	Reg. Date
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

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

## U.S. Trademarks Subject to Security Interest Granted by Taqua, LLC In Favor of Business Development Corporation of America, as Administrative Agent

#### Recorded August 7, 2014 at Reel 5339 Frame 0001

#### Trademark Registrations

Mark	Reg. No.	Reg. Date
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

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PATENT REEL: 040173 FRAME: 0128

**RECORDED: 09/28/2016**