TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM420799

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Cambium Networks, LTD		03/22/2017	Corporation: UNITED KINGDOM

RECEIVING PARTY DATA

Name:	Silicon Valley Bank
Street Address:	2400 Hanover Street
City:	Palo Alto
State/Country:	CALIFORNIA
Postal Code:	94304
Entity Type:	Corporation: CALIFORNIA

PROPERTY NUMBERS Total: 9

Property Type	Number	Word Mark
Registration Number:	4557349	EPMP
Registration Number:	4557350	EPMP
Registration Number:	4800119	DYNAMIC SPECTRUM OPTIMIZATION (DSO)
Serial Number:	86672975	CNMAESTRO
Serial Number:	87064919	CNMEDUSA
Serial Number:	87081992	M CNMEDUSA MASSIVE MU - MIMO
Serial Number:	86673075	CNPILOT
Serial Number:	86722917	CNPILOT
Serial Number:	86882181	HYPURE

OP $240.00 4557349

CORRESPONDENCE DATA

Fax Number: 8004947512

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: 800-494-5225
Email: ipteam@nationalcorp.com
Correspondent Name: Stewart Walsh
Address Line 1: 1025 Vermont Ave NW, Suite 1130
Address Line 2: National Corporate Research, LTD
Address Line 4: Washington, D.C. 20005

ATTORNEY DOCKET NUMBER:	F169166
NAME OF SUBMITTER:	Andrew Nash
SIGNATURE:	/Andrew Nash/
DATE SIGNED:	03/23/2017

Total Attachments: 31

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of March 22, 2017 by and between the Grantor listed on the signature page hereto (the "***Grantor***") and Silicon Valley Bank ("***Bank***").

RECITALS

A. Bank and the Lenders have agreed to make the Loans to the Borrower in the amounts and manner set forth in that certain Credit Agreement among Cambium Networks, Ltd, as Borrower, Vector Cambium (Lux) 1, S.à r.l., as Holdings, Cambium (US), L.L.C., as Parent Guarantor, the other Loan Parties party thereto, the Lenders party thereto and Bank, as administrative agent and issuing lender, dated as of even date herewith (as the same may be amended, modified or supplemented from time to time, the "***Credit Agreement***"). Unless otherwise specified, capitalized terms used herein are used as defined in the Credit Agreement.

B. In consideration of the agreement by Bank and Lenders to make the Loans to Borrower under the Credit Agreement, Borrower, Holdings and the other Grantors party thereto have entered into that certain Guarantee and Collateral Agreement in favor of Bank, as administrative agent, dated as of even date herewith (as the same may be amended, modified or supplemented from time to time, the "***Guarantee and Collateral Agreement***").

C. Bank and Lenders are willing to make the Loans to Borrower, but only upon the condition, among others, that Borrower and the Grantors shall grant to Bank a security interest in certain Copyrights, Trademarks, and Patents (in each case, as defined in the Guarantee and Collateral Agreement) to secure the obligations of Borrower under the Credit Agreement and the Guarantee and Collateral Agreement.

D. Pursuant to the terms of the Credit Agreement and the Guarantee and Collateral Agreement, the Loan Parties (including Grantor) have granted to Bank, as administrative agent for the Secured Parties, a security interest in all of such 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 Credit Agreement and Loan Documents, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its Obligations under the Credit Agreement and Loan Documents, Grantor grants and pledges to Bank a security interest in all of such Grantor's right, title and interest in, to and under its intellectual property collateral (including without limitation those Copyrights, Patents, and Trademarks listed on Exhibits A, B, and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all

rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with and in addition to (in each case without prejudice to) the security interest granted to Bank under the Guarantee and Collateral Agreement and the UK Debenture. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Credit Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Credit Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Credit Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

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EXECUTED and **DELIVERED** as a **DEED** by **CAMBIUM NETWORKS, LTD** acting by a director in the presence of:

.....

Atul Bhatnagar
Signature of director

Signature of witness.....

Print name.....Jordan Lee.....

Address.....Kirkland & Ellis LLP.....

.....3330 Hillview Avenue.....

.....Palo Alto, CA 94304.....

Occupation.....Junior Paralegal.....

Address of Grantor:

Cambium Networks, Ltd
3800 Golf Road, Suite 360
Rolling Meadows, IL 60008 USA
United States of America
Attention: Mike Hansen, Chief Financial Officer; and Sally Rau, General Counsel
Phone: 847 264 2218
E-Mail: mike.hansen@cambiumnetworks.com; sally.rau@cambiumnetworks.com

Address of Bank:

Silicon Valley Bank
2400 Hanover Street
Palo Alto, California 94304
Attn: Michael Willard

Bank:

SILICON VALLEY BANK as
Administrative Agent

By: Michael Willard
Name: Michael Willard
Title: Managing Director

[Signature Page to Intellectual Property Security Agreement]

EXHIBIT A

COPYRIGHTS

None.

EXHIBIT B

PATENTS

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Hinged antenna mount	United Kingdom	Registered Design			2098886	1/19/2001
Broadband communications	United Kingdom	Registered	0015884.0	6/29/2000	GB2364205	9/18/2002
Patch Antenna	United Kingdom	Registered	0105488.1	3/6/2001	GB2373100	5/7/2003
Data Dithering Apparatus and Method	United States of America	Registered	10/158,341	5/30/2002	7,200,184	4/3/2007
Dual Payload and Adaptive Modulation	China	Registered	0680002439-1	1/13/2006	CN101138167 B	9/21/2011
Dual Payload and Adaptive Modulation	Germany	Registered	112006000201.5	1/13/2006	112006000201.5	12/17/2015
Dual Payload and Adaptive Modulation	United Kingdom	Registered	0712620.4	1/13/2006	GB2437196	6/3/2009
Dual Payload and Adaptive Modulation	Republic of Korea	Registered	10-2007-7016104	1/13/2006	10-0973634	7/27/2010
Dual Payload and Adaptive Modulation	United States of America	Registered	11/332,827	1/13/2006	7,656,969	2/2/2010

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Self-Optimization of Time Division Duplex (TDD) Timing and Adaptive Modulation Thresholds	China	Registered	0680025730-0	7/12/2006	CN101223724 B	4/6/2011
Self-Optimization of Time Division Duplex (TDD) Timing and Adaptive Modulation Thresholds	Republic of Korea	Registered	10-2008-7001024	7/12/2006	10-1002181	12/13/2010
Self Optimization of Time Division Duplex (TDD) Timing and Adaptive Modulation Thresholds	United States of America	Registered	11/456,578	7/11/2006	7,751,430	7/6/2010
Sequentially Decoded Low Density Parity Coding (LDPC) Forward Error Correction (FEC) in Orthogonal Frequency Division Modulation (OFDM) Systems	United States of America	Registered	11/625,857	1/23/2007	7,388,522	6/17/2008
Method for Scheduling Transmissions in Communication Systems	China	Registered	1180039239-4	5/5/2011	CN103340004B	9/14/2016

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Method for Scheduling Transmissions in Communication Systems	European Patent Office	Application Published	11792834.1	5/5/2011		
Method for Scheduling Transmissions in Communication Systems	United States of America	Registered	12/797,700	6/10/2010	8,611,274	12/17/2013
Supporting Communication Devices with Different Technologies within the same Communication Channel	United States of America	Registered	12/967,283	12/14/2010	8,547,904	10/1/2013
Bias Voltage Circuit for Biasing a Transient Suppression Device and Apparatus Using Same	United States of America	Registered	13/034,934	2/25/2011	8,982,523	3/17/2015
Transmission of Data in a Broadband Radio Communication System	Germany	Registered	13702081.4	1/21/2013	EP2805425	7/1/2015

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Transmission of Data in a Broadband Radio Communication System	France	Registered	13702081.4	1/21/2013	EP2805425	7/1/2015
Transmission of Data in a Broadband Radio Communication System	United Kingdom	Registered	13702081.4	1/21/2013	EP2805425	7/1/2015
Transmission of Data in a Broadband Radio Communication System	United States of America	Registered	14/335,137	7/18/2014	8,982,831	3/17/2015
Improvements to Radar Detection in a Broadband Radio Communication System	Germany	Registered	13702082.2	1/21/2013	EP2805423	6/3/2015
Improvements to Radar Detection in a Broadband Radio Communication System	France	Registered	13702082.2	1/21/2013	EP2805423	6/3/2015
Improvements to Radar Detection in a Broadband Radio Communication System	United Kingdom	Registered	13702082.2	1/21/2013	EP2805423	6/3/2015

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Radar Detection in a Broadband Radio Communication System	United States of America	Registered	14/335,298	7/18/2014	9,000,971	4/7/2015
Patch Antenna	China	Examination in progress	1380051165-5	7/18/2013		
Patch Antenna	European Patent Office	Application Published	13752594.5	7/18/2013		
Patch Antenna	United Kingdom	Registered	1216940.5	9/21/2012	GB2504561	5/6/2015
Patch Antenna with Transverse Feed	India	Examination Requested	382/MUMNP/2015	7/18/2013		
Patch Antenna	Republic of Korea	Application Filed	10-2015-7005263	7/18/2013		
Patch Antenna	United States of America	Registered	13/950,775	7/25/2013	9,214,730	12/15/2015
Reflector Arrangement for Attachment to a Wireless Communications Terminal	China	Examination in progress	1380061580-9	10/25/2013		
Reflector Arrangement for Attachment to a Wireless Communications Terminal	European Patent Office	Application Published	13798368.0	10/25/2013		

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Reflector arrangement for attachment to a wireless communications terminal	United Kingdom	Awaiting Re-examination	1312898.8	7/18/2013		
Reflector Arrangement for Attachment to a Wireless Communications Terminal	Republic of Korea	Application Filed	10-2015-7013762	10/25/2013		
Reflector Arrangement for Attachment to a Wireless Communications Terminal	United States of America	Registered	13/660,731	10/25/2012	9,270,013	2/23/2016
Signalling System	China	Examination Requested	2013800736108	12/19/2013		
Signalling System	Germany	Registered	13821464.8	12/19/2013	EP2936725	11/9/2016
Signalling System	European Patent Office	Registered	13821464.8	12/19/2013	EP2936725	11/9/2016
Signalling System	France	Registered	13821464.8	12/19/2013	EP2936725	11/9/2016
Signalling System	United Kingdom	Registered	13821464.8	12/19/2013	EP2936725	11/9/2016
Signalling System	United Kingdom	Pending	1223359.9	12/24/2012		
Signalling System	United Kingdom (direct UK)	Awaiting First Examination	1418663.9	12/19/2013		

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Signalling System	Italy	Validation filed	13821464.8	12/19/2013	EP2936725	11/9/2016
Signalling System	Republic of Korea	Application Filed	10-2015-7020082	12/19/2013		
Signalling System	Netherlands	Validation filed	13821464.8	12/19/2013	EP2936725	11/9/2016
Signalling System	United States of America	Application allowed	14/749,394	6/24/2015		
Mechanism for Group Polling Without Precise Timing	China	Examination Requested	201480032310X	4/3/2014		
Mechanism for Group Polling Without Precise Timing	European Patent Office	Registered	14722306.9	4/3/2014	EP2982208	10/19/2016
Mechanism for Group Polling Without Precise Timing	Germany	Registered	14722306.9	4/3/2014	EP2982208	
Mechanism for Group Polling Without Precise Timing	France	Registered	14722306.9	4/3/2014	EP2982208	
Mechanism for Group Polling Without Precise Timing	United Kingdom	Validation filed	14722306.9	4/3/2014	EP2982208	

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Mechanism for Group Polling Without Precise Timing	Italy	Validation Filed	14722306.9	4/3/2014	EP2982208	
Mechanism for Group Polling Without Precise Timing	Poland	Validation filed	14722306.9	4/3/2014	EP2982208	
Mechanism for Group Polling Without Precise Timing	United Kingdom	Registered	1320595.0	11/21/2013	GB2512688	8/19/2015
Mechanism for Group Polling Without Precise Timing	United States of America	Registered	13/857,818	4/5/2013	9,131,509	9/8/2015
Timing Advance Method for Synchronized WIFI Network	United Kingdom	Registered	1320597.6	11/21/2013	GB2512689	8/19/2015
Improvements to Adaptive Modulation	China	Examination Requested	2014800401683	5/16/2014		
Improvements to Adaptive Modulation	European Patent Office	Application Published	14731986.7	5/16/2014		
Improvements to Adaptive Modulation	United Kingdom	Registered	1308897.6	5/17/2013	GB2514174	12/2/2015

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Adaptive Modulation	United States of America	Allowed	14/943,776	11/17/2015		
Mechanism for Wireless Communication	European Patent Office	Application published	14798922.2	10/3/2014		
Mechanism for Wireless Communication	United Kingdom	Registered	1405534.7	3/27/2014	GB2518922	7/6/2016
Mechanism for Wireless Communication	United States of America	Registered	14/046,681	10/4/2013	9,253,745	2/2/2016
Apparatus and Method for Reducing Interference in a Wireless Communication System	European Patent Office	Application published	14828500.0	12/18/2014		
Apparatus and Method for Reducing Interference in a Wireless Communication System	United Kingdom	Registered	1405546.1	3/27/2014	GB2523848	7/27/2016

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Apparatus and Method for Reducing Interference in a Wireless Communication System	United States of America	Examination in Progress	14/137,340	12/20/2013		
Rate Adapt Algorithm for a Wireless Connection	United States of America	Examination in Progress	14/463,382	8/19/2014		
Rate Adapt Algorithm for a Wireless Connection	Patent Cooperation Treaty	Application Published	PCT/GB2015/052297	8/7/2015		
Radio Frequency Connection Arrangement	United Kingdom	Granted	1415272.2	8/28/2014	GB2529678	25 Jan 17
Radio Frequency Connection Arrangemen	Taiwan	Application Published	20150128498	8/28/2015		
Radio Frequency Connection Arrangemen	Taiwan	Application Published	20160104374	2/15/2016		
Radio Frequency Connection Arrangement	United States of America	Registered	14/839,323	8/28/2015	US9509032	11/29/2016
Radio Frequency Connection Arrangement	Patent Cooperation Treaty	Application Published	PCT/GB2015/052477	8/27/2015		

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Patch Antenna-Based Wideband Antenna System	United States of America	Examination in Progress	14/512,139	10/10/2014		
Patch Antenna-Based Wideband Antenna System	Patent Cooperation Treaty	Application Published	PCT/GB2015/052946	10/8/2015		
Apparatus and Method for Filtering Radio Frequency Signals of Transceiver Integrated Circuits	United States of America	Allowed	14/604,331	1/23/2015		
Apparatus and Method for Filtering Radio Frequency Signals of Transceiver Integrated Circuits	Patent Cooperation Treaty	Application published	PCT/GB2016/050136	1/21/2016		
Antenna array assembly and method of construction thereof	United Kingdom	Application published	1502457.3	2/13/2015		
Antenna array assembly and method of construction thereof	Patent Cooperation Treaty	Application published	PCT/GB2016/050347	2/12/2016		
Radio Frequency Connection Arrangement	United Kingdom	Application published	1502461.5	2/13/2015		

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Radio Frequency Connection Arrangement	Taiwan	Application published	10510437.4	2/15/2016		
Radio Frequency Connection Arrangement	United States of America	Examination in progress	14/839,296	8/28/2015		
Radio Frequency Connection Arrangement	Patent Cooperation Treaty	Application published	PCT/GB2016/050346	2/12/2016		
Method and apparatus for an access point in a point to multipoint wireless network	United Kingdom	Application published	1512183.3	7/13/2015		
Method and apparatus for an access point in a point to multipoint wireless network	Patent Cooperation Treaty	Application filed	PCT/GB2016/52102	7/12/2016		
Patch antenna	United Kingdom	Examination in Progress	1517222.4	9/29/2015		
Patch antenna	Patent Cooperation Treaty	Application filed	PCT/GB2016/053008	9/30/2016		
Access point	United Kingdom	Examination in Progress	1518778.4	10/23/2015		

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Method and apparatus for a multi-user multiple input multiple output (MU-MIMO) Networks with single transceiver subscriber modules	United Kingdom	Application published	GB1405758.2	3/31/2014		
Controlling EIRP for MU-MIMO (Medusa)	United States of America	Examination in progress	15/074,767	3/18/2016		
Antenna array assembly	United Kingdom	Examination in Progress	1603966.1	3/8/2016		
T-Bar Radiation Isolator (Medusa)	United States of America	Application Filed	15/074,781	3/18/2016		
Communications network	United Kingdom	Examination in progress	1603978.6	3/8/2016		
Sounding Mode for MU-MIMO (Medusa)	United States of America	Application Filed	15/074,821	3/18/2016		
Antenna array assembly	United Kingdom	Examination in progress	1610898.7	6/22/2016		
Parasitic Flange	India	Application Filed	201641009265	3/17/2016		
Parasitic Flange	United States of America	Application filed	15192171	6/24/2016		
Patch antenna	United Kingdom	Examination in progress	1610900.1	6/22/2016		

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Aperture Coupled Antenna with Deep Slot	India	Application Filed	201641009266	3/17/2016		
Aperture Coupled Antenna with Deep Slot	United States of America	Application filed	15192132	6/24/2016		
Access point	United Kingdom	Examination in progress	1608425.3	5/13/2016		
Gyroscope Stabilisation for MU-MIMO (Medusa)	United States of America	Application Filed	15/175,204	6/7/2016		
Encryption for a synchronous wireless link	United Kingdom	Application filed	1612997.5	7/27/2016		
Radio frequency connection arrangement	United Kingdom	Application filed	1613864.6	8/12/2016		
Antenna arrangement and methods of transmission and reception at a base station	United Kingdom	Application filed	1309715.9	5/31/2013		
Tone generator	United Kingdom	Pending	1223085.0	12/20/2012		

Title	Country	Status Description	Application Number	Application Date	Patent Number	Grant Date
Housing for a Communication Device	United States	Registered	29161713	6/3/2002	D480389	10/07/2003

EXHIBIT C

TRADEMARKS

Mark Name	Country Name	Application Number	Application Date	Registration Number	Registration Date
CNMAESTRO	Argentina	3521183	11-Jul-16		
CNMAESTRO	Argentina	3521184	11-Jul-16		
CNMAESTRO and Design	Australia	1806818	13-Jul-16		
CNMAESTRO	Canada	1790382	7-Jul-16		
CNMAESTRO	Chile	1212440	11-Jul-16		
CNMAESTRO and Design	China	1317408	13-Jul-16		
CNMAESTRO and Design	Community Trademark (European Union)	1317408	13-Jul-16		
CNMAESTRO	Hong Kong	303833820	11-Jul-16	303833820	11-Jul-16
CNMAESTRO and Design	India	3429771	13-Jul-16		
CNMAESTRO	Indonesia	D00-2016-038942			
CNMAESTRO and Design	Mexico	1317408	13-Jul-16		
CNMAESTRO and Design	New Zealand	1317408	13-Jul-16		
CNMAESTRO and Design	Philippines	1317408	13-Jul-16	1317408	13-Jul-16
CNMAESTRO and Design	Russian Federation	1317408	13-Jul-16		
CNMAESTRO and Design	Singapore	1317408	13-Jul-16		
CNMAESTRO	Taiwan	105040313	12-Jul-16		
CNMAESTRO and Design	United States	86672975	24-Jun-15		
CNMAESTRO and Design	Vietnam				
CNMAESTRO and Design	World Intellectual Property Organization	1317408	13-Jul-16	1317408	13-Jul-16
CNMEDUSA	Argentina	3521181	11-Jul-16		
CNMEDUSA and Design	Australia	1808329	13-Jul-16		

Mark Name	Country Name	Application Number	Application Date	Registration Number	Registration Date
CNMEDUSA	Canada	1790381	7-Jul-16		
CNMEDUSA	Chile	1212438	11-Jul-16		
CNMEDUSA and Design	China	1318277	13-Jul-16	1318277	13-Jul-16
CNMEDUSA and Design	Community Trademark (European Union)	1318277	13-Jul-16	1318277	13-Jul-16
CNMEDUSA	Hong Kong	303833802	11-Jul-16	303833802	11-Jul-16
CNMEDUSA and Design	India	3443714	13-Jul-16		
CN MEDUSA	India	3433875	13-Jul-16		
CNMEDUSA	Indonesia	D00-2016-038940			
CNMEDUSA and Design	Mexico	1318277	13-Jul-16	1318277	13-Jul-16
CNMEDUSA and Design	New Zealand	1318277	13-Jul-16	1318277	13-Jul-16
CNMEDUSA and Design	Philippines	1318277	13-Jul-16	1318277	13-Jul-16
CNMEDUSA and Design	Russian Federation	1318277	13-Jul-16	1318277	13-Jul-16
CNMEDUSA and Design	Singapore	1318277	13-Jul-16	1318277	13-Jul-16
CNMEDUSA	Taiwan	105040310	12-Jul-16		
CNMEDUSA and Design	United States	87064919	8-Jun-16		
CNMEDUSA and Design	Vietnam	1318277	13-Jul-16	1318277	13-Jul-16
CNMEDUSA and Design	World Intellectual Property Organization	1318277	13-Jul-16	1318277	13-Jul-16
CNMEDUSA and Design (in color)	Argentina	3521182	11-Jul-16		
M CNMEDUSA MASSIVE MU-MIMO	Australia	1809669	13-Jul-16		
M cnMedusa Massive MU-MIMO	Canada	1790379	7-Jul-16		
M CNMEDUSA MASSIVE MU - MIMO	Chile	1212437	11-Jul-16	1237108	17-Feb-17
M cnMedusa Massive MU-MIMO	China	1318848	13-Jul-16	1318848	
M cnMedusa Massive MU-MIMO	Community Trademark (European Union)	1318848	13-Jul-16	1318848	13-Jul-16

Mark Name	Country Name	Application Number	Application Date	Registration Number	Registration Date
M cnMedusa Massive MU-MIMO	Hong Kong	303833811	11-Jul-16	303833811	11-Jul-16
M cnMedusa Massive MU-MIMO	India	1318848	13-Jul-16	1318848	13-Jul-16
M cnMedusa Massive MU-MIMO	Indonesia	D00-2016-038938			
M cnMedusa Massive MU-MIMO	Mexico	1318848	13-Jul-16	1318848	13-Jul-16
M cnMedusa Massive MU-MIMO	New Zealand	1318848	13-Jul-16	1318848	13-Jul-16
M cnMedusa Massive MU-MIMO	Philippines	1318848	13-Jul-16	1318848	13-Jul-16
M cnMedusa Massive MU-MIMO	Russian Federation	1318848	13-Jul-16	1318848	13-Jul-16
M cnMedusa Massive MU-MIMO	Singapore	1318848	13-Jul-16	1318848	13-Jul-16
M cnMedusa Massive MU-MIMO	Taiwan	105040311	12-Jul-16		
M cnMedusa Massive MU-MIMO	United States	87081992	23-Jun-16		
M cnMedusa Massive MU-MIMO	Vietnam	1318848	13-Jul-16	1318848	13-Jul-16
M cnMedusa Massive MU-MIMO	World Intellectual Property Organization	1318848	13-Jul-16	1318848	13-Jul-16
CNPILOT	Argentina	3521177	11-Jul-16		
CNPILOT	Argentina	3521178	11-Jul-16		
CNPILOT	Argentina	3521179	11-Jul-16		
CNPILOT	Argentina	3521180	11-Jul-16		
CNPILOT and Design	Australia	1806819	13-Jul-16	1806819	13-Jul-16
CNPILOT	Canada	1790380	7-Jul-16		
CNPILOT	Chile	1212439	11-Jul-16		
CNPILOT and Design	China	1317409	13-Jul-16		

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CNPILOT and Design	Community Trademark (European Union)	1317409	13-Jul-16		
CNPILOT	Hong Kong	303833794	11-Jul-16	303833794	11-Jul-16
CNPILOT and Design	India	3428781	13-Jul-16		
CNPILOT	Indonesia	D00-2016-038939			
CNPILOT and Design	Mexico	1317409	13-Jul-16		
CNPILOT and Design	New Zealand	1317409	13-Jul-16		
CNPILOT and Design	Philippines	1317409	13-Jul-16	1317409	13-Jul-16
CNPILOT and Design	Russian Federation	1317409	13-Jul-16		
CNPILOT and Design	Singapore	1317409	13-Jul-16	1317409	13-Jul-16
CNPILOT	Taiwan	105040309	12-Jul-16		
CNPILOT and Design	United States	86673075	24-Jun-15		
CNPILOT and Design	United States	86722917	12-Aug-15		
CNPILOT and Design	Vietnam	1317409	13-Jul-16		
CNPILOT and Design	World Intellectual Property Organization	1317409	13-Jul-16	1317409	13-Jul-16
HYPURE	Argentina	3473549	26-Dec-16	2859477	26-Dec-16
HYPURE	Argentina	3473550	26-Dec-16	2859478	26-Dec-16
HYPURE	Argentina	3473551	26-Dec-16	2859479	26-Dec-16
HYPURE and Design	Australia	1759403	2-Feb-2016	1759403	2-Feb-2016
HYPURE	Brazil	910602034	5-Feb-16		
HYPURE	Brazil	910602077	5-Feb-16		
HYPURE	Brazil	910602093	5-Feb-16		
HYPURE	Canada	1764594	22-Jan-16		
HYPURE	Chile	1189733	2-Feb-16	1218552	29-Aug-16
HYPURE and Design	China	1292758	2-Feb-16		

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HYPURE (Cl. 38)	Colombia	16 68574			
HYPURE (Cl. 9)	Colombia	16 68574			
HYPURE (Cl. 42)	Colombia	16 68574			
HYPURE	Community Trademark (European Union)	015024631	21-Jan-2016	015024631	24-May-16
HYPURE and Design	India	3333436	2-Feb-2016		
HYPURE and Design	Japan	1292758	2-Feb-16	1292758	2-Feb-16
HYPURE and Design	Mexico	1292758	2-Feb-16		
HYPURE	Nepal				
HYPURE	Nepal				
HYPURE	Nepal				
HYPURE and Design	New Zealand	1292758	2-Feb-16	1292758	2-Feb-16
HYPURE	Pakistan	409554			
HYPURE	Pakistan	409588			
HYPURE	Pakistan	409589			
HYPURE	Peru	649155-2016	1-Feb-16	14088	12-Aug-16
HYPURE and Design	Philippines	1292758	2-Feb-16	1292758	2-Feb-16
HYPURE and Design	Russian Federation	1292758	2-Feb-16	1292758	2-Feb-16
HYPURE and Design	Singapore	1292758	2-Feb-16	1292758	2-Feb-16
HYPURE	Taiwan	105004866	25-Jan-16	1796931	1-Oct-16
HYPURE and Design	United States	86882181	21-Jan-16		
HYPURE and Design	Vietnam	1292758	2-Feb-16		
HYPURE and Design	World Intellectual Property Organization	1292758	2-Feb-16	1292758	2-Feb-16
EPMP and Design	United States	85973164	28-Jun-13	4557349	24-Jun-14
EPMP and Design	United States	85973184	28-Jun-13	4557350	24-Jun-14

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DYNAMIC SPECTRUM OPTIMIZATION (DSO)	United States	85843537	7-Feb-13	4800119	25-Aug-15
CAMBIUM	Community Trademark (European Union)	010462984	17-Nov-11	010462984	2-Apr-12
CAMBIUM NETWORKS	Community Trademark (European Union)	010462992	17-Nov-11	010462992	2-Apri-12
ORTHOGON	Great Britain	2318005	07-Dec-02	2318005	20-Jun-03
CAMBIUM	Australia	1459298	11-Nov-11	1459298	18-Jun-12
CAMBIUM NETWORKS	Australia	1459299	11-Nov-11	1459299	18-Jun-12
CAMBIUM NETWORKS	Argentina	3136601	23-Dec-11	2566131	3-May-13
CAMBIUM	Argentina	3136603	23-Dec-11	2566136	3-May-13
CAMBIUM NETWORKS	Brazil	840002645	18-Jan-12	840002645	10-Feb-15
CAMBIUM NETWORKS	Brazil	840002670	18-Jan-12	840002670	10-Feb-15
CAMBIUM	Brazil	840002696	18-Jan-12	840002696	10-Feb-15
CAMBIUM	Brazil	840002718	18-Jan-12	840002718	10-Feb-15
CAMBIUM	Canada	1564533	16-Feb-12	TMA889978	13-Nov-14
CAMBIUM NETWORKS	Canada	1564532	16-Feb-12	TMA893109	30-Dec-14
CAMBIUM NETWORKS	China	10456141	2-Feb-12	10456141	14-Jun-13
CAMBIUM NETWORKS	China	10456142	2-Feb-12	10456142	28-Mar-13
CAMBIUM	China	10456143	2-Feb-12	10456143	28-Mar-13
CAMBIUM	China	10456144	2-Feb-12	10456144	14-Apr-13
CAMBIUM NETWORKS	Colombia	11 155135	15-Nov-11	456602	10-Aug-12
CAMBIUM	Colombia	11 155131	15-Nov-11	456603	10-Aug-12
CAMBIUM	Colombia	11 155125	15-Nov-11	456620	17-Aug-12
CAMBIUM NETWORKS	Colombia	11 155128	15-Nov-11	456621	17-Aug-12
CAMBIUM	India			2244607	10-Jun-15
CAMBIUM NETWORKS	India			2244608	5-Dec-11

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CAMBIUM NETWORKS	Mexico		14-Nov-11	1278619	11-Apr-12
CAMBIUM	Mexico		14-Nov-11	1278620	11-Apr-12
CAMBIUM NETWORKS	Mexico		14-Nov-11	1278871	11-Apr-12
CAMBIUM	Mexico		14-Nov-11	1278872	12-Apr-12
CAMBIUM NETWORKS	South Africa	201129366	15-Nov-11	201129366	6-Jan-14
CAMBIUM NETWORKS	South Africa	201129367	15-Nov-11	201129367	15-Nov-11
CAMBIUM	South Africa	201129490	16-Nov-11	201129490	6-Jan-14
CAMBIUM	South Africa	201129491	16-Nov-11	201129491	6-Jan-14
CAMBIUM NETWORKS	Turkey	201193614	16-Nov-11	201193614	4-Mar-13
CAMBIUM	Turkey	201193704	16-Nov-11	201193704	16-Jan-13
CAMBIUM NETWORKS	United Arab Emirates	165359	17-Nov-11	165359	2-Apr-14
CAMBIUM NETWORKS	United Arab Emirates	165360	17-Nov-11	165360	2-Apr-14
CAMBIUM	United Arab Emirates	165361	17-Nov-11	165361	2-Apr-14
CAMBIUM	United Arab Emirates	165362	17-Nov-11	165362	2-Apr-14
CAMBIUM	Venezuela			P326018	13-Feb-13
CAMBIUM	Venezuela			S053556	13-Feb-13
CAMBIUM NETWORKS	Venezuela			P326019	13-Feb-13
CAMBIUM NETWORKS	Venezuela			S053557	13-Feb-13
CAMBIUM NETWORKS	Philippines			420111050 PH4201114050	23-Nov-11
CAMBIUM	Philippines			420111051 PH4201114051	23-Nov-11
CANOPY	Afghanistan	5997	30-Jul-06	7904	30-Jul-06
CANOPY	Brazil	827387563	10-May-05	827387563	16-Oct-07
CANOPY and Design	Brazil	827387601	10-May-05	827387601	14-Apr-09

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CANOPY	Canada	1115571	13-Sep-01	TMA621862	06-Oct-04
CANOPY and Design	Canada	1128211	15-Jan-02	TMA622115	07-Oct-04
CANOPY	Chile	1070563	12-Aug-13	1148958	24-Oct-13
CANOPY and Design	Chile	1070562	12-Aug-13	1148956	24-Oct-2013
CANOPY	Colombia	03035202	28-Apr-03	277849	28-Nov-03
CANOPY and Design	Colombia	03035203	28-Apr-03	277874	28-Nov-03
CANOPY	Costa Rica	2003-0002477	29-Apr-03	141143	18-Sep-03
CANOPY and Design	Costa Rica	2003-0002474	29-Apr-03	141141	18-Sep-03
CANOPY	Ecuador	133167-03	22-Apr-03	24733-03	21-Aug-03
CANOPY and Design	Ecuador	133166-03	22-Apr-03	24732-03	21-Aug-03
CANOPY	El Salvador	E-36752-2003	25-Apr-03	150 BOOK20	16-Sep-04
CANOPY and Design	El Salvador	E-36753-2003	25-Apr-03	113 BOOK 11	16-Mar-04
CANOPY	Community Trademark (European Union)	2527703	08-Jan-02	2527703	06-Jun-03
CANOPY and Design	Community Trademark (European Union)	2540359	18-Jan-02	2540359	08-Sep-03
CANOPY	Guatemala	20032751	25-Apr-03	126122	01-Oct-03
CANOPY and Design	Guatemala	20032804	29-Apr-03	126271	09-Oct-03
CANOPY and Design	Honduras	10075/2003	23-Apr-03	89982	23-Feb-04
CANOPY	Hong Kong	300062838	14-Aug-03	300062838	14-Aug-03
CANOPY and Design	Hong Kong	300033696	17-Jun-03	300033696	17-Jun-03
CANOPY	India	1195001	28-Apr-03	1195001	28-Apr-03
CANOPY and Design	India	1195002	28-Apr-03	1195002	28-Apr-03
CANOPY	Malaysia	2003-04848	25-Apr-03	03004848	25-Apr-03
CANOPY and Design	Malaysia	2003-04847	25-Apr-03	03004847	25-Apr-03
CANOPY	Mexico	767541	22-Feb-06	1049313	22-Feb-06

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CANOPY and Design	Mexico	767540	22-Feb-06	1049312	22-Feb-06
CANOPY	New Zealand	677111	22-Apr-03	677111	22-Apr-03
CANOPY and Design	New Zealand	677110	22-Apr-03	677110	09-Mar-04
CANOPY	Nicaragua	2003-001533	21-May-03	59894 LM	21-Jan-04
CANOPY and Design	Nicaragua	2003-01532	21-May-03	59895 LM	21-Jan-04
CANOPY	Norway	2006 07693	21-Jul-06	244634	03-Mar-08
CANOPY	Pakistan	225545	29-Jul-06	225545	12-Mar-10
CANOPY	Panama	126751	23-Apr-03	126751	23-Apr-03
CANOPY and Design	Panama	126750	23-Apr-03	126750	23-Apr-03
CANOPY	Paraguay	11056-2003	08-May-03	273893	26-Nov-04
CANOPY and Design	Paraguay	11055-2003	08-May-03	273787	25-Nov-04
CANOPY	Philippines	4-2003-007426	14-Aug-03	4-2003-007426	11-Aug-05
CANOPY and Design	Philippines	4-2003-07427	14-Aug-03	4-2003-07427	11-Aug-05
CANOPY	Russian Federation	2003711274	06-Jun-03	269470	31-May-04
CANOPY and Design	Russian Federation	2003711273	06-Jun-03	268934	20-May-04
CANOPY	Singapore	T0305787c	23-Apr-03	T0305787C	23-Apr-03
CANOPY and Design	Singapore	T0305788a	23-Apr-03	T0305788A	23-Apr-03
CANOPY	South Africa	2003/06747	23-Apr-03	2003/06747	09-Jul-08
CANOPY and Design	South Africa	2003/06748	23-Apr-03	2003/06748	02-Aug-07
CANOPY	Taiwan	92019818	24-Apr-03	1079588	01-Jan-04
CANOPY and Design	Taiwan	92019819	24-Apr-03	1084204	01-Feb-04
CANOPY	Thailand	527629	20-Aug-03	TM201931	20-Aug-03
CANOPY	Ukraine	2003054517/T	05-May-03	49633	16-May-05
CANOPY and Design	Ukraine	2003054518/T	05-May-03	51229	15-Jul-05

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CANOPY	United Arab Emirates	83526	30-Jul-06	83472	14-Aug-07
CANOPY	Uruguay	452595	14-Feb-14	452.595	1-Mar-2004
CANOPY and Design	Uruguay	452596	14-Feb-14	452.596	1-Mar-04
CANOPY	Uzbekistan	Mgu 2003 0257	25-Apr-03	MGU 12652	28-Apr-04
CANOPY and Design	Uzbekistan	Mgu 2003 0256	25-Apr-03	MGU 12651	28-Apr-04
CANOPY	Venezuela	2005-009404	10-May-05	P-268376	16-Feb-06
CANOPY and Design	Venezuela	2005-009405	10-May-05	P-272393	17-Jul-06
CANOPY	Vietnam	4-2007-07568	02-May-07	103410	19-Jun-08
CANOPY Y ETIQUETA	Paraguay	147640	26-Feb-14		
CANOPY	Paraguay	147639	26-Feb-14		
CANOPY	Paraguay	1244912	25-Sep-12		
CANOPY Y ETIQUETA	Paraguay	1244913	25-Sep-12		
CANOPY Y ETIQUETA	Paraguay	1120483	25-May-11		
CANOPY	Paraguay	1120482	25-May-11		
CANOPY	Uruguay	452596	14-Feb-14	452596	01-Mar-14
CANOPY	Uruguay	452595	14-Feb-14	452595	01-Mar-14