

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT8357442

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	PARTIAL RELEASE OF PATENT SECURITY INTERESTS (TL)

## CONVEYING PARTY DATA

Name	Execution Date
JPMORGAN CHASE BANK, N.A.	12/29/2023

## RECEIVING PARTY DATA

<b>Name:</b>	ARRIS ENTERPRISES, LLC
<b>Street Address:</b>	3642 E. US HIGHWAY 70
<b>City:</b>	CLAREMONT
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28610
<b>Name:</b>	COMMSCOPE TECHNOLOGIES LLC
<b>Street Address:</b>	3642 E. US HIGHWAY 70
<b>City:</b>	CLAREMONT
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28610

## PROPERTY NUMBERS Total: 67

Property Type	Number
Patent Number:	8792414
Patent Number:	8473868
Patent Number:	8751791
Patent Number:	9344161
Patent Number:	8528052
Patent Number:	9854328
Patent Number:	10050824
Patent Number:	9188965
Patent Number:	9143336
Patent Number:	9686813
Patent Number:	10911838
Patent Number:	10194379
Patent Number:	10028327
Patent Number:	10278226
Patent Number:	10805867

Property Type	Number
Patent Number:	10609592
Patent Number:	11012923
Patent Number:	7623868
Patent Number:	8229498
Patent Number:	8160629
Patent Number:	8688809
Patent Number:	8078165
Patent Number:	8400989
Patent Number:	7974244
Patent Number:	8594663
Patent Number:	7983672
Patent Number:	8615593
Patent Number:	8452299
Patent Number:	8060058
Patent Number:	7835698
Patent Number:	8942136
Patent Number:	8135339
Patent Number:	8693987
Patent Number:	9078284
Patent Number:	9793982
Patent Number:	8542707
Patent Number:	8430572
Patent Number:	8098591
Patent Number:	8634766
Patent Number:	8385291
Patent Number:	8849190
Patent Number:	8885998
Patent Number:	8351851
Patent Number:	8731574
Patent Number:	8571470
Patent Number:	9325065
Patent Number:	8873512
Patent Number:	9276329
Patent Number:	9146352
Patent Number:	8909133
Patent Number:	9467877
Patent Number:	9874703
Patent Number:	9703040

Property Type	Number
Patent Number:	9859611
Patent Number:	9865919
Patent Number:	10009827
Patent Number:	10292119
Patent Number:	9854557
Patent Number:	10162113
Patent Number:	10567151
Patent Number:	10645667
Patent Number:	10820251
Patent Number:	10481329
Patent Number:	11425564
Patent Number:	11576112
Patent Number:	11317315
Patent Number:	11297560

#### CORRESPONDENCE DATA

**Fax Number:** (800)914-4240

*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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**Address Line 2:** SUITE 125

**Address Line 4:** COLUMBUS, OHIO 43219

**NAME OF SUBMITTER:** DORIS KA

**SIGNATURE:** /Doris Ka/

**DATE SIGNED:** 01/02/2024

#### Total Attachments: 9

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**PARTIAL TERMINATION AND RELEASE  
OF SECURITY INTEREST IN PATENTS**

December 29, 2023

This PARTIAL TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS (the “Release”) is executed as of the date hereof, by JPMorgan Chase Bank, N.A., as Collateral Agent (together with its permitted successors in such capacity, the “Collateral Agent”) for the Secured Parties (as defined in the Credit Agreement referred to below) in favor of CommScope Technologies LLC, a Delaware limited liability company (“CommScope”) and ARRIS Enterprises LLC, a Delaware limited liability company (“ARRIS” and together with CommScope, the “Grantors” and each, a “Grantor”). Unless otherwise indicated, capitalized terms used herein and not otherwise defined herein shall have the respective meanings provided therefor in the Credit Agreement referred to below.

WHEREAS, reference is made to that certain Term Loan Credit Agreement, dated as of April 4, 2019 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Credit Agreement”), by and among CommScope Holding Company, Inc. (“Holdings”), CommScope, LLC (f/k/a CommScope, Inc.) (the “Borrower”), JPMorgan Chase Bank, N.A., as the Administrative Agent and Collateral Agent and the Lenders party thereto from time to time;

WHEREAS, reference is made to that certain Term Loan Security Agreement, dated as of April 4, 2019 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”), by and among Holdings, the Borrower, the other grantors party thereto from time to time and the Collateral Agent;

WHEREAS, each Grantor and the Collateral Agent executed that certain Patent Security Agreement, dated as of April 4, 2019 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “2019 Patent Security Agreement”) and that certain Patent Security Agreement, dated as of November 12, 2021 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “2021 Patent Security Agreement” and together with the 2019 Patent Security Agreement, the “Patent Security Agreements”), pursuant to which such Grantor (among others) granted to the Collateral Agent a continuing security interest in all of such Grantor’s right, title and interest in, to and under the Collateral (as defined therein) (the “Security Interest”), including the Patents listed on Exhibit A hereto (the “Patents”);

WHEREAS, the 2019 Patent Security Agreement was recorded with the United States Patent and Trademark Office (“USPTO”) on July 3, 2019 at Reel 049905 and Frame 0504 and the 2021 Patent Security Agreement was recorded with the USPTO on November 15, 2021 at Reel 058875 and Frame 0449; and

WHEREAS, the Collateral Agent has agreed to terminate and release its Security Interest solely with respect to the Patents listed on Exhibit A hereto.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which the parties acknowledge, the Collateral Agent hereby releases, terminates and discharges the Security Interest granted under the Patent Security Agreements solely with respect to the Patents, and any right, title or interest of the Collateral Agent arising under the Patent Security Agreements in and to the Patents shall hereby terminate, cease and become void. This Release does not release, relinquish, discharge or terminate the Collateral Agent’s security interest in any Intellectual Property or any other asset of each Grantor other than the Patents. The Collateral Agent hereby consents to the recording of this Release with the USPTO and agrees to duly execute and deliver any further documents and do such other acts as may be reasonably

necessary, at each Grantor's sole cost and expense, to effect the release of the Security Interest solely with respect to the Patents as contemplated hereby.

This Release shall be governed by, and construed in accordance with, the laws of the State of New York.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the undersigned has caused this Release to be duly executed as of the date first written above.

**JPMORGAN CHASE BANK, N.A.**, as Collateral Agent

By: Melanie George  
Name: Melanie George  
Title: Vice President

[Signature Page to Dali TL Patent Release]

**PATENT**  
**REEL: 066163 FRAME: 0744**

EXHIBIT A

**See attached.**

## United States Intellectual Property

### Partial IP release schedules

Patents:

\* **JPMorgan Chase Bank, N.A. patent security agreement** (Term) recorded 07/03/2019 at Reel 049905 / Frame 0504

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
1.	ARRIS Enterprises, LLC	Coverage enhancement using dynamic antennas	11413293	04/28/2006	8792414	07/29/2014
2.	ARRIS Enterprises, LLC	System and method for reverse hierarchical navigation within a user interface	11608701	12/08/2006	8473868	06/25/2013
3.	ARRIS Enterprises, LLC	Method and device for confirming authenticity of a public key infrastructure (PKI) transaction event	12212032	09/17/2008	8751791	06/10/2014
4.	ARRIS Enterprises, LLC	Coverage enhancement using dynamic antennas and virtual access points	12562061	09/17/2009	9344161	05/17/2016
5.	ARRIS Enterprises, LLC	Authentication, authorization and accounting services solution	12679613	08/16/2010	8528052	09/03/2013
6.	ARRIS Enterprises, LLC	Augmentation of multimedia consumption	13542696	07/06/2012	9854328	12/26/2017
7.	ARRIS Enterprises, LLC	Managing a cluster of switches using multiple controllers	13557105	07/24/2012	10050824	08/14/2018
8.	ARRIS Enterprises, LLC	Control device including a protocol translator	13787771	03/06/2013	9188965	11/17/2015
9.	ARRIS Enterprises, LLC	Efficient layer-2 multicast topology construction	13928019	06/26/2013	9143336	09/22/2015
10.	ARRIS Enterprises, LLC	Wireless services gateway	14466074	08/22/2014	9686813	06/20/2017
11.	ARRIS Enterprises, LLC	Mechanism for transference of media meta-data	14574626	12/18/2014	10911838	02/02/2021
12.	ARRIS Enterprises, LLC	Discovery and security in LWA communication	14986508	12/31/2015	10194379	01/29/2019
13.	ARRIS Enterprises, LLC	Wireless services gateway	15590697	05/09/2017	10028327	07/17/2018
14.	ARRIS Enterprises, LLC	Wireless Services Gateway	15594582	05/13/2017	10278226	04/30/2019
15.	ARRIS Enterprises, LLC	Establishing LWA-WLAN communication	15750505	02/06/2018	10805867	10/13/2020
16.	ARRIS Enterprises, LLC	Virtual-machine dataplane having fixed interpacket time	15751161	12/22/2015	10609592	03/31/2020
17.	ARRIS Enterprises, LLC	Discovery and security in LWA communication	16217131	12/12/2018	11012923	05/18/2021



	<b>Assignee</b>	<b>Patent Title</b>	<b>Serial No.</b>	<b>Filing Date</b>	<b>Patent No.</b>	<b>Issue Date</b>
18.	CommScope Technologies LLC	Multi-band wireless access point comprising coextensive coverage regions	10244912	09/16/2002	7623868	11/24/2009
19.	CommScope Technologies LLC	Assigning code space to portable base stations	11617298	12/28/2006	8229498	07/24/2012
20.	CommScope Technologies LLC	Controlling reverse link interference in private access points for wireless networking	11640415	12/15/2006	8160629	04/17/2012
21.	CommScope Technologies LLC	Provisioning private access points for wireless networking	11640501	12/15/2006	8688809	04/01/2014
22.	CommScope Technologies LLC	Configuring preferred user zone lists for private access points for wireless networking	11640503	12/15/2006	8078165	12/13/2011
23.	CommScope Technologies LLC	Activating private access points for wireless networking	11735107	04/13/2007	8400989	03/19/2013
24.	CommScope Technologies LLC	Method and system for reducing uplink noise in wireless communication systems	11842516	08/21/2007	7974244	07/05/2011
25.	CommScope Technologies LLC	Selecting embedded cells in wireless networks	11903742	09/24/2007	8594663	11/26/2013
26.	CommScope Technologies LLC	Managing communications with private access points in wireless networks	11960100	12/19/2007	7983672	07/19/2011
27.	CommScope Technologies LLC	Providing zone indications for wireless networking	11962734	12/21/2007	8615593	12/24/2013
28.	CommScope Technologies LLC	Allocating code space to base stations	11962983	12/21/2007	8452299	05/28/2013
29.	CommScope Technologies LLC	Secure mobile base station connections	11966195	12/28/2007	8060058	11/15/2011
30.	CommScope Technologies LLC	Interference mitigation in wireless networks	11967925	12/31/2007	7835698	11/16/2010
31.	CommScope Technologies LLC	Allocating communication frequencies to clusters of access points	12246861	10/07/2008	8942136	01/27/2015
32.	CommScope Technologies LLC	System and method for feedback cancellation in repeaters	12347098	12/31/2008	8135339	03/13/2012
33.	CommScope Technologies LLC	FEMTO personal policy server	12347234	12/31/2008	8693987	04/08/2014
34.	CommScope Technologies LLC	Personal access point media server	12347574	12/31/2008	9078284	07/07/2015
35.	CommScope Technologies LLC	System for automatic configuration of a mobile communication system	12427347	04/21/2009	9793982	10/17/2017
36.	CommScope Technologies LLC	Multi-carrier system selection	12467913	05/18/2009	8542707	09/24/2013

	<b>Assignee</b>	<b>Patent Title</b>	<b>Serial No.</b>	<b>Filing Date</b>	<b>Patent No.</b>	<b>Issue Date</b>
37.	CommScope Technologies LLC	Field terminable fiber optic connector assembly	12500188	07/09/2009	8430572	04/30/2013
38.	CommScope Technologies LLC	Selectively assigning mobile stations to segmented zones	12547968	08/26/2009	8098591	01/17/2012
39.	CommScope Technologies LLC	Gain measurement and monitoring for wireless communication systems	12706001	02/16/2010	8634766	01/21/2014
40.	CommScope Technologies LLC	Mobility in a wireless enterprise network	12797138	06/09/2010	8385291	02/26/2013
41.	CommScope Technologies LLC	Radio communication systems with integrated location-based measurements for diagnostics and performance optimization	12888271	09/22/2010	8849190	09/30/2014
42.	CommScope Technologies LLC	Splice enclosure arrangement for fiber optic cables	13315570	12/09/2011	8885998	11/11/2014
43.	CommScope Technologies LLC	System and method for feedback cancellation in repeaters	13416512	03/09/2012	8351851	01/08/2013
44.	CommScope Technologies LLC	Assigning code space to portable base stations	13555830	07/23/2012	8731574	05/20/2014
45.	CommScope Technologies LLC	System and method for feedback cancellation in repeaters	13726047	12/22/2012	8571470	10/29/2013
46.	CommScope Technologies LLC	Shared antenna arrays with multiple independent tilt	13771474	02/20/2013	9325065	04/26/2016
47.	CommScope Technologies LLC	Mobility in a wireless enterprise network	13776427	02/25/2013	8873512	10/28/2014
48.	CommScope Technologies LLC	Ultra-wideband dual-band cellular basestation antenna	13827190	03/14/2013	9276329	03/01/2016
49.	CommScope Technologies LLC	Field terminable fiber optic connector assembly	13872695	04/29/2013	9146352	09/29/2015
50.	CommScope Technologies LLC	Gain measurement and monitoring for wireless communication systems	14159085	01/20/2014	8909133	12/09/2014
51.	CommScope Technologies LLC	Radio communication systems with integrated location-based measurements for diagnostics and performance optimization	14499335	09/29/2014	9467877	10/11/2016
52.	CommScope Technologies LLC	Fiber optical cable assembly with sealed coupling mechanism	14718996	05/21/2015	9874703	01/23/2018
53.	CommScope Technologies LLC	Field terminable fiber optic connector assembly	14860109	09/21/2015	9703040	07/11/2017
54.	CommScope Technologies LLC	Ultra-wideband dual-band cellular basestation antenna	15040678	02/10/2016	9859611	01/02/2018

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
55.	CommScope Technologies LLC	Shared antenna arrays with multiple independent tilt	15137298	04/25/2016	9865919	01/09/2018
56.	CommScope Technologies LLC	Radio Communication Systems with Integrated Location-Based Measurements for Diagnostics and Performance Optimization	15287507	10/06/2016	10009827	06/26/2018
57.	CommScope Technologies LLC	Frequency-division duplexing in a time-division duplexing mode for a telecommunications system	15303401	10/11/2016	10292119	05/14/2019
58.	CommScope Technologies LLC	System for automatic configuration of a mobile communication system	15377774	12/13/2016	9854557	12/26/2017
59.	CommScope Technologies LLC	Field terminable fiber optic connector assembly	15643251	07/06/2017	10162113	12/25/2018
60.	CommScope Technologies LLC	Method and apparatus for operating co-located transceivers on the same frequency band	15844410	12/15/2017	10567151	02/18/2020
61.	CommScope Technologies LLC	System for automatic configuration of a mobile communication system	15847609	12/19/2017	10645667	05/05/2020
62.	CommScope Technologies LLC	Radio communication systems with integrated location-based measurements for diagnostics and performance optimization	16017341	06/25/2018	10820251	10/27/2020
63.	CommScope Technologies LLC	Field terminable fiber optic connector assembly	16226134	12/19/2018	10481329	11/19/2019

\* JPMorgan Chase Bank, N.A. patent security agreement (Term) recorded 11/15/2021 at Reel 058875 / Frame 0449

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
1.	ARRIS Enterprises, LLC	Wireless services gateway	17119198	12/11/2020	11425564	08/23/2022
2.	ARRIS Enterprises, LLC	Discovery and security in LWA communication	17240275	04/26/2021	11576112	02/07/2023
3.	ARRIS Enterprises, LLC	Virtual-machine dataplane having fixed interpacket time	16793608	02/18/2020	11317315	04/26/2022
4.	ARRIS Enterprises, LLC	Establishing LWA-WLAN communication	17012559	09/04/2020	11297560	04/05/2022