

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT8356481

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	PARTIAL TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS
CONVEYING PARTY DATA	
Name	Execution Date
WILMINGTON TRUST, NATIONAL ASSOCIATION, AS COLLATERAL AGENT	12/29/2023
RECEIVING PARTY DATA	
Name:	COMMSCOPE TECHNOLOGIES LLC
Street Address:	1100 COMMSCOPE PLACE SE
City:	HICKORY
State/Country:	NORTH CAROLINA
Postal Code:	28602
Name:	ARRIS ENTERPRISES LLC
Street Address:	101 TOURNAMENT DRIVE
City:	HORSHAM
State/Country:	PENNSYLVANIA
Postal Code:	19044
PROPERTY NUMBERS Total: 70	
Property Type	Number
Patent Number:	7623868
Patent Number:	8135339
Patent Number:	8351851
Patent Number:	8571470
Patent Number:	8160629
Patent Number:	8688809
Patent Number:	8078165
Patent Number:	8229498
Patent Number:	8731574
Patent Number:	8400989
Patent Number:	8452299
Patent Number:	8594663
Patent Number:	8060058
Patent Number:	8615593
Patent Number:	7983672

PATENT

Property Type	Number
Patent Number:	7835698
Patent Number:	8942136
Patent Number:	9078284
Patent Number:	8693987
Patent Number:	8542707
Patent Number:	8385291
Patent Number:	8873512
Patent Number:	9793982
Patent Number:	9854557
Patent Number:	10645667
Patent Number:	8634766
Patent Number:	8909133
Patent Number:	8849190
Patent Number:	9467877
Patent Number:	10009827
Patent Number:	10820251
Patent Number:	9325065
Patent Number:	9865919
Patent Number:	9276329
Patent Number:	9859611
Patent Number:	10292119
Patent Number:	10595287
Patent Number:	9874703
Patent Number:	10567151
Patent Number:	7974244
Patent Number:	8430572
Patent Number:	9146352
Patent Number:	9703040
Patent Number:	10162113
Patent Number:	10481329
Patent Number:	8098591
Patent Number:	8885998
Patent Number:	10911838
Patent Number:	10050824
Patent Number:	9143336
Patent Number:	9854328
Patent Number:	9188965
Patent Number:	8473868

Property Type	Number
Patent Number:	8751791
Patent Number:	8792414
Patent Number:	9344161
Patent Number:	8528052
Patent Number:	9686813
Patent Number:	10028327
Patent Number:	10278226
Patent Number:	10887767
Patent Number:	11425564
Patent Number:	10194379
Patent Number:	11012923
Patent Number:	11576112
Patent Number:	10609592
Patent Number:	11317315
Patent Number:	10805867
Patent Number:	11297560
Application Number:	61185757

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ATTORNEY DOCKET NUMBER:	049614-0030
NAME OF SUBMITTER:	ANNA T KWAN
SIGNATURE:	/atk/
DATE SIGNED:	12/29/2023

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 Wilmington Trust, National Association, as collateral agent (together with its permitted successors in such capacity, the “Collateral Agent”) for the Holders (as defined in the Indentures referred to below) in favor of COMMScope TECHNOLOGIES LLC, a Delaware limited liability company (“CommScope Tech”), 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 Indentures as referred to below.

WHEREAS, reference is made to (i) that certain indenture, dated as of February 19, 2019 (amended, amended and restated, supplemented or otherwise modified from time to time, the “2019 Indenture”), among CommScope, Inc., a Delaware corporation (as successor by merger to CommScope Finance LLC, a Delaware limited liability company, the “Issuer”), the guarantors party thereto and Wilmington Trust, National Association, as trustee (in such capacity, the “Trustee”) and Collateral Agent and (ii) that certain indenture, dated as of August 23, 2021 (amended, amended and restated, supplemented or otherwise modified from time to time, and together with the 2019 Indenture, the “Indentures”), among the Issuer, the guarantors party thereto and Wilmington Trust, National Association, as Trustee and Collateral Agent;

WHEREAS, reference is made to (i) that certain notes security agreement, dated as of April 4, 2019, among the Issuer, the other grantors party thereto and the Collateral Agent (amended, amended and restated, supplemented or otherwise modified from time to time, the “2019 Security Agreement”) and (ii) that certain notes security agreement, dated as of August 23, 2021, among the Issuer, the other grantors party thereto and the Collateral Agent (amended, amended and restated, supplemented or otherwise modified from time to time, and together with the 2019 Security Agreement, the “Security Agreements”);

WHEREAS, each Grantor and the Collateral Agent executed a separate Patent Security Agreement, dated as of April 4, 2019 (collectively, and as amended, amended and restated, supplemented or otherwise modified from time to time, the “Patent Security Agreements”) pursuant to which each 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 Patent Security Agreements were recorded with the United States Patent and Trademark Office (“USPTO”) on July 3, 2019 at Reel 049892 and Frame 0051 (with respect to CommScope Tech) and on November 19, 2021 at Reel 060752 and Frame 0001 (with respect to CommScope Tech and Arris) and on April 9, 2010 at Reel 024213 and Frame 0355 (with respect to CommScope Tech) and on July 3, 2019 at Reel 049820 and Frame 0495 (with respect to Arris) and on July 3, 2019 at Reel 049709 and Frame 0266 (with respect to Arris); and

WHEREAS, upon receipt of the Officer’s Certificate and Opinion of Counsel, each dated as of the date hereof, delivered to the Collateral Agent pursuant to Sections 7.2(b) and 12.2 of the Indentures in connection herewith, and in reliance upon the representations set forth therein, the Collateral Agent has been directed to terminate and release its Security Interest with respect to the Patents.

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.

**WILMINGTON TRUST, NATIONAL
ASSOCIATION**, as Collateral Agent

By: 
Name: Quinton M. DePompolo
Title: Assistant Vice President

[Signature Page to Notes Patent Release]

**PATENT
REEL: 066140 FRAME: 0546**

COMMSCOPE TECHNOLOGIES LLC, as Grantor
ARRIS ENTERPRISES LLC, as Grantor

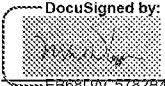
DocuSigned by:

By: _____
Name: Michael D. Coppin
Title: Vice President and Assistant Secretary

EXHIBIT A

Intellectual Property

Patent Title	App. No.	App. Date	Patent No.	Issue Date	Owner
1. Multi-Band Wireless Access Point Comprising Coextensive Coverage Regions	10/244912	2002-09-16	7623868	2009-11-24	CommScope Technologies LLC
2. System and Method for Feedback Cancellation in Repeaters	12/347098	2008-12-31	81335339	2012-03-13	CommScope Technologies LLC
3. System and Method for Feedback Cancellation in Repeaters	13/416512	2012-03-09	8351851	2013-01-08	CommScope Technologies LLC
4. System and Method for Feedback Cancellation in Repeaters	13/726047	2012-12-22	8571470	2013-10-29	CommScope Technologies LLC
5. Controlling Reverse Link Interference in Private Access Points for Wireless Networking	11/640415	2006-12-15	8160629	2012-04-17	CommScope Technologies LLC
6. Provisioning Private Access Points for Wireless Networks	11/640501	2006-12-15	8688809	2014-04-01	CommScope Technologies LLC
7. Configuring Preferred User Zone Lists for Private Access Points for Wireless Networking	11/640503	2006-12-15	8078165	2011-12-13	CommScope Technologies LLC
8. Assigning Code Space to Portable Space Stations	11/617298	2006-12-28	8229498	2012-07-24	CommScope Technologies LLC
9. Assigning Code Space to Portable Space Stations	13/555830	2012-07-23	8731574	2014-05-20	CommScope Technologies LLC
10. Activating Private Access Points for Wireless Networking	11/735107	2007-04-13	8400989	2013-03-19	CommScope Technologies LLC
11. Allocating Code Space to Base Stations	11/962983	2007-12-21	8452299	2013-05-28	CommScope Technologies LLC
12. Selecting Embedded Cells in Wireless Networks	11/903742	2007-09-24	8594663	2013-11-26	CommScope Technologies LLC
13. Secure Mobile Base Station Connections	11/966195	2007-12-28	8060058	2011-11-15	CommScope Technologies LLC
14. Providing Zone Indications for Wireless Networking	11/962734	2007-12-21	8615593	2013-12-24	CommScope Technologies LLC

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15.	Managing Communications with Private Access Points in Wireless Networks	11/960100	2007-12-19	7983672	2011-07-19	CommScope Technologies LLC
16.	Interference Mitigation in Wireless Networks	11/967925	2007-12-31	7835698	2010-11-16	CommScope Technologies LLC
17.	Allocating Communication Frequencies to Clusters of Access Points	12/246861	2008-10-07	8942136	2015-01-27	CommScope Technologies LLC
18.	Personal Access Point Media Server	12/347574	2008-12-31	9078284	2015-07-07	CommScope Technologies LLC
19.	FEMTO Personal Policy Server	12/347234	2008-12-31	8693987	2014-04-08	CommScope Technologies LLC
20.	Multi-Carrier System Selection	12/467913	2009-05-18	8542707	2013-09-24	CommScope Technologies LLC
21.	Mobility In a Wireless Enterprise Network	12/797138	2010-06-09	8385291	2013-02-26	CommScope Technologies LLC
22.	Mobility In a Wireless Enterprise Network	13/776427	2013-02-25	8873512	2014-10-28	CommScope Technologies LLC
23.	Mobility In a Wireless Enterprise Network ¹	61/185757	2009-06-10	N/A	N/A	CommScope Technologies LLC
24.	SYSTEM FOR AUTOMATIC CONFIGURATION OF A MOBILE COMMUNICATION SYSTEM	12/427347	2009-04-21	9793982	2017-10-17	CommScope Technologies LLC
25.	SYSTEM FOR AUTOMATIC CONFIGURATION OF A MOBILE COMMUNICATION SYSTEM	15/377774	2016-12-13	9854557	2017-12-26	CommScope Technologies LLC
26.	RADIO COMMUNICATION SYSTEMS WITH INTEGRATED LOCATION-BASED MEASUREMENTS FOR DIAGNOSTICS AND PERFORMANCE OPTIMIZATION	15/847609	2017-12-19	10645667	2020-05-05	CommScope Technologies LLC
27.	GAIN MEASUREMENT AND MONITORING FOR WIRELESS COMMUNICATION SYSTEMS	12/706001	2010-02-16	8634766	2014-01-21	CommScope Technologies LLC
28.	GAIN MEASUREMENT AND MONITORING FOR WIRELESS COMMUNICATION SYSTEMS	14/159085	2014-01-20	8909133	2014-12-09	CommScope Technologies LLC
29.	RADIO COMMUNICATION SYSTEMS WITH INTEGRATED LOCATION-BASED MEASUREMENTS FOR DIAGNOSTICS AND PERFORMANCE	12/888271	2010-09-22	8849190	2014-09-30	CommScope Technologies LLC

¹ This patent is a provisional patent application which has not been registered, so it does not have a patent number or issue date.

	OPTIMIZATION					
30.	RADIO COMMUNICATION SYSTEMS WITH INTEGRATED LOCATION-BASED MEASUREMENTS FOR DIAGNOSTICS AND PERFORMANCE OPTIMIZATION	14/499335	2014-09-29	9467877	2016-10-11	CommScope Technologies LLC
31.	Radio Communication Systems with Integrated Location-Based Measurements for Diagnostics and Performance Optimization	15/287507	2016-10-06	10009827	2018-06-26	CommScope Technologies LLC
32.	RADIO COMMUNICATION SYSTEMS WITH INTEGRATED LOCATION-BASED MEASUREMENTS FOR DIAGNOSTICS AND PERFORMANCE OPTIMIZATION	16/017341	2018-06-25	10820251	2020-10-27	CommScope Technologies LLC
33.	Shared Antenna Arrays with Multiple Independent Tilt	13/771474	2013-02-20	9325065	2016-04-26	CommScope Technologies LLC
34.	Shared Antenna Arrays with Multiple Independent Tilt	15/137298	2016-04-25	9865919	2018-01-09	CommScope Technologies LLC
35.	Ultra-Wideband Dual-Band Cellular Basestation Antenna	13/827190	2013-03-14	9276329	2016-03-01	CommScope Technologies LLC
36.	Ultra-Wideband Dual-Band Cellular Basestation Antenna	15/040678	2016-02-10	9859611	2018-01-02	CommScope Technologies LLC
37.	FREQUENCY-DIVISION DUPLEXING IN A TIME-DIVISION DUPLEXING MODE FOR A TELECOMMUNICATIONS SYSTEM	15/303401	2016-10-11	10292119	2019-05-14	CommScope Technologies LLC
38.	FREQUENCY-DIVISION DUPLEXING IN A TIME-DIVISION DUPLEXING MODE FOR A TELECOMMUNICATIONS SYSTEM	16/399542	2019-04-30	10595287	2020-03-17	CommScope Technologies LLC
39.	FIBER OPTICAL CABLE ASSEMBLY WITH SEALED COUPLING MECHANISM	14/718996	2015-05-21	9874703	2018-01-23	CommScope Technologies LLC
40.	METHOD AND APPARATUS FOR OPERATING CO-LOCATED TRANSCIEVERS ON THE SAME FREQUENCY BAND	15/844410	2017-12-15	10567151	2020-02-18	CommScope Technologies LLC
41.	METHOD AND SYSTEM FOR REDUCING UPLINK NOISE IN WIRELESS COMMUNICATION SYSTEMS	11/842516	2007-08-21	7974244	2011-07-05	CommScope Technologies LLC
42.	FIELD TERMINABLE FIBER OPTIC ASSEMBLY	12/500188	2009-07-09	8430572	2013-04-30	CommScope Technologies LLC
43.	FIELD TERMINABLE FIBER OPTIC ASSEMBLY	13/872695	2013-04-29	9146352	2015-09-29	CommScope Technologies LLC

44.	FIELD TERMINABLE FIBER OPTIC CONNECTOR ASSEMBLY	14/860109	2015-09-21	9703040	2017-07-11	CommScope Technologies LLC
45.	FIELD TERMINABLE FIBER OPTIC CONNECTOR ASSEMBLY	15/643251	2017-07-06	10162113	2018-12-25	CommScope Technologies LLC
46.	FIELD TERMINABLE FIBER OPTIC CONNECTOR ASSEMBLY	16/226134	2018-12-19	10481329	2019-11-19	CommScope Technologies LLC
47.	SELECTIVELY ASSIGNING MOBILE STATIONS TO SEGMENTED ZONES	12/547968	2009-08-26	8098591	2012-01-17	CommScope Technologies LLC
48.	SPLICE ENCLOSURE ARRANGEMENT FOR FIBER OPTIC CABLES	13/315570	2011-12-09	8885998	2014-11-11	CommScope Technologies LLC
49.	Mechanism for Transference of Media meta-data	14/574626	2014-12-18	10911838	2021-02-02	ARRIS Enterprises LLC
50.	Managing a Cluster of Switches Using Multiple Controllers	13/557105	2012-07-24	10050824	2018-08-14	ARRIS Enterprises LLC
51.	Efficient Layer-2 Multicast Topology Construction	13/928019	2013-06-26	9143336	2015-09-22	ARRIS Enterprises LLC
52.	AUGMENTATION OF MULTIMEDIA CONSUMPTION	13/542696	2012-07-06	9854328	2017-12-26	ARRIS Enterprises LLC
53.	CONTROL DEVICE	13/787771	2013-03-06	9188965	2015-11-17	ARRIS Enterprises LLC
54.	SYSTEM AND METHOD FOR REVERSE HIERARCHICAL NAVIGATION WITHIN A USER INTERFACE	11/608701	2006-12-08	8473868	2013-06-25	ARRIS Enterprises LLC
55.	METHOD AND DEVICE FOR CONFIRMING AUTHENTICITY OF A PUBLIC KEY INFRASTRUCTURE (PKI) TRANSACTION EVENT	12/212032	2008-09-17	8751791	2014-06-10	ARRIS Enterprises LLC
56.	Coverage Enhancement Using Dynamic Antennas	11/413293	2006-04-28	8792414	2014-07-29	ARRIS Enterprises LLC
57.	Coverage Enhancement Using Dynamic Antennas And Virtual Access Points	12/562061	2009-09-17	9344161	2016-05-17	ARRIS Enterprises LLC
58.	Authentication, Authorization And Accounting Services Solution	12/679613	2010-08-16	8528052	2013-09-03	ARRIS Enterprises LLC
59.	Wireless Services Gateway	14/466074	2014-08-22	9686813	2017-06-20	ARRIS Enterprises LLC
60.	Wireless Services Gateway	15/590697	2017-05-09	10028327	2018-07-17	ARRIS Enterprises LLC
61.	Wireless Services Gateway	15/594582	2017-05-13	10278226	2019-04-30	ARRIS Enterprises LLC
62.	Wireless Services Gateway	16/351144	2019-03-12	10887767	2021-01-05	ARRIS Enterprises LLC

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63.	WIRELESS SERVICES GATEWAY	17/119198	2020-12-11	11425564	2022-08-23	ARRIS Enterprises LLC
64.	Discovery and Security in LWA Communication	14/986508	2015-12-31	10194379	2019-01-29	ARRIS Enterprises LLC
65.	Discovery and Security in LWA Communication	16/217131	2018-12-12	11012923	2021-05-18	ARRIS Enterprises LLC
66.	DISCOVERY AND SECURITY IN LWA COMMUNICATION	17/240275	2021-04-26	11576112	2023-02-07	ARRIS Enterprises LLC
67.	Virtual-Machine Dataplane Having Fixed Interpacket Time	15/751161	2015-12-22	10609592	2020-03-31	ARRIS Enterprises LLC
68.	Virtual-Machine Dataplane Having Fixed Interpacket Time	16/793608	2020-02-18	11317315	2022-04-26	ARRIS Enterprises LLC
69.	Establishing LWA-WLAN Communication	15/750505	2018-02-06	10805867	2020-10-13	ARRIS Enterprises LLC
70.	ESTABLISHING LWA-WLAN COMMUNICATION	17/012559	2020-09-04	11297560	2022-04-05	ARRIS Enterprises LLC

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