

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7430401

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

CONVEYING PARTY DATA

Name	Execution Date
JPMORGAN CHASE BANK, N.A.	07/12/2022

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:	1100 COMMSCOPE PLACE SE
City:	HICKORY
State/Country:	NORTH CAROLINA
Postal Code:	28602
Name:	COMMSCOPE, INC. OF NORTH CAROLINA
Street Address:	1100 COMMSCOPE PLACE SE
City:	HICKORY
State/Country:	NORTH CAROLINA
Postal Code:	28602

PROPERTY NUMBERS Total: 207

Property Type	Number
Application Number:	10010736
Application Number:	10034200
Application Number:	10319567
Application Number:	10404837
Application Number:	10465326
Application Number:	10685958
Application Number:	10698189
Application Number:	11024281
Application Number:	11169815
Application Number:	11182535

PATENT

Property Type	Number
Application Number:	11192560
Application Number:	11260826
Application Number:	11295909
Application Number:	11314219
Application Number:	11506809
Application Number:	11831950
Application Number:	11940761
Application Number:	11943301
Application Number:	12005986
Application Number:	12047191
Application Number:	12141789
Application Number:	12181727
Application Number:	12250947
Application Number:	12346921
Application Number:	12395056
Application Number:	12711026
Application Number:	13210553
Application Number:	13253937
Application Number:	13371331
Application Number:	13419615
Application Number:	13548116
Application Number:	13733870
Application Number:	13802316
Application Number:	13831383
Application Number:	13857550
Application Number:	14043760
Application Number:	14190932
Application Number:	14263071
Application Number:	14266172
Application Number:	14444934
Application Number:	14483507
Application Number:	14633850
Application Number:	14862200
Application Number:	15085970
Application Number:	15551540
Application Number:	15601559
Application Number:	15834055
Application Number:	16829733

Property Type	Number
Application Number:	17473734
Application Number:	10414907
Application Number:	10529677
Application Number:	10766347
Application Number:	10973360
Application Number:	11010460
Application Number:	11101143
Application Number:	11212492
Application Number:	11213772
Application Number:	11238553
Application Number:	11302723
Application Number:	11321696
Application Number:	11335193
Application Number:	11349827
Application Number:	11434754
Application Number:	11461648
Application Number:	11469623
Application Number:	11485338
Application Number:	11572973
Application Number:	11585327
Application Number:	11627255
Application Number:	11636372
Application Number:	11692028
Application Number:	11725139
Application Number:	11735558
Application Number:	11743139
Application Number:	11799038
Application Number:	11821542
Application Number:	11821543
Application Number:	11888913
Application Number:	11891655
Application Number:	11891664
Application Number:	11920075
Application Number:	11920076
Application Number:	11963574
Application Number:	11967370
Application Number:	11970439
Application Number:	11971038

Property Type	Number
Application Number:	11984207
Application Number:	12017562
Application Number:	12018902
Application Number:	12027329
Application Number:	12047400
Application Number:	12072492
Application Number:	12080252
Application Number:	12082299
Application Number:	12092715
Application Number:	12101366
Application Number:	12103393
Application Number:	12103582
Application Number:	12107228
Application Number:	12137309
Application Number:	12157395
Application Number:	12171390
Application Number:	12183195
Application Number:	12184327
Application Number:	12191443
Application Number:	12231313
Application Number:	12290233
Application Number:	12290234
Application Number:	12292821
Application Number:	12313510
Application Number:	12343438
Application Number:	12369126
Application Number:	12381162
Application Number:	12381163
Application Number:	12411109
Application Number:	12468122
Application Number:	12547321
Application Number:	12573696
Application Number:	12586285
Application Number:	12590498
Application Number:	12605743
Application Number:	12607653
Application Number:	12643410
Application Number:	12657613

Property Type	Number
Application Number:	12687654
Application Number:	12688284
Application Number:	12688688
Application Number:	12751646
Application Number:	12792367
Application Number:	12841828
Application Number:	12908627
Application Number:	12931047
Application Number:	12953781
Application Number:	12986439
Application Number:	13006189
Application Number:	13019735
Application Number:	13051911
Application Number:	13081654
Application Number:	13112690
Application Number:	13158153
Application Number:	13164443
Application Number:	13177318
Application Number:	13213560
Application Number:	13232292
Application Number:	13236088
Application Number:	13247153
Application Number:	13269911
Application Number:	13275042
Application Number:	13289010
Application Number:	13291779
Application Number:	13302754
Application Number:	13302765
Application Number:	13365709
Application Number:	13371899
Application Number:	13396256
Application Number:	13396281
Application Number:	13398088
Application Number:	13420276
Application Number:	13431398
Application Number:	13443142
Application Number:	13443410
Application Number:	13594474

Property Type	Number
Application Number:	13645653
Application Number:	13651662
Application Number:	13784044
Application Number:	13859553
Application Number:	13948869
Application Number:	13984463
Application Number:	14139354
Application Number:	14213077
Application Number:	14413963
Application Number:	14476942
Application Number:	14518868
Application Number:	14631481
Application Number:	14667586
Application Number:	14718850
Application Number:	14726954
Application Number:	14747282
Application Number:	14924365
Application Number:	14925484
Application Number:	15042554
Application Number:	15167478
Application Number:	15256167
Application Number:	15603514
Application Number:	15679580
Application Number:	15753396
Application Number:	15958618
Application Number:	12014018
Application Number:	12019509
Application Number:	12019575
Application Number:	12026333
Application Number:	12026352
Application Number:	12026364
Application Number:	12026372
Application Number:	12026480
Application Number:	12039623
Application Number:	12068213
Application Number:	12113285
Application Number:	12183132
Application Number:	12424320

Property Type	Number
Application Number:	12705242
Application Number:	13167161
Application Number:	13218481
Application Number:	13771542
Application Number:	14342826
Application Number:	14618834
Application Number:	14843071

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.

Phone: 800-713-0755
Email: Michael.Violet@wolterskluwer.com
Correspondent Name: CT CORPORATION
Address Line 1: 4400 EASTON COMMONS WAY
Address Line 2: SUITE 125
Address Line 4: COLUMBUS, OHIO 43219

NAME OF SUBMITTER:	ELAINE CARRERA
SIGNATURE:	/Elaine Carrera/
DATE SIGNED:	07/13/2022

Total Attachments: 12

- source=CommScope - July Patent Release [ABL]_#page1.tif
- source=CommScope - July Patent Release [ABL]_#page2.tif
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- source=CommScope - July Patent Release [ABL]_#page12.tif

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

JPMorgan Chase Bank, N.A.

2. Name and address of receiving party(ies)

Name: COMMSCOPE TECHNOLOGIES LLC

Internal Address: _____

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) July 12, 2022

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other Partial Release of ABL Security Interest

Street Address: 1100 CommScope Place SE

City: Hickory

State: NC

Country: USA Zip: 28602

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

See Exhibit A

B. Patent No.(s)

See Exhibit A

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Elaine Carrera, Senior Paralegal

Internal Address: _____

Street Address: c/o Cahill Gordon & Reindel LLP,
32 Old Slip

City: New York

State: NY Zip: 10005

Phone Number: (212) 701-3365

Docket Number: _____

Email Address: ecarrera@cahill.com

6. Total number of applications and patents involved: 207

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized UserName _____

9. Signature:

Elaine Carrera
Signature

July 13, 2022
Date

Elaine Carrera

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

12

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0149, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

Addendum to Cover Page of Patents Form Cover Sheet

2. Name and address of receiving party(ies)

ARRIS ENTERPRISES LLC
1100 CommScope Place SE
Hickory, NC 28602

COMMSCOPE, INC. OF NORTH CAROLINA
1100 CommScope Place SE
Hickory, NC 28602

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

July 12, 2022

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"), COMMSCOPE, INC. OF NORTH CAROLINA, a North Carolina corporation ("CSNC") and ARRIS ENTERPRISES LLC, a Delaware limited liability company ("ARRIS" and together with CommScope and CSNC 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 Revolving Credit Agreement as referred to below.

WHEREAS, reference is made to that certain Revolving Credit Agreement, dated as of April 4, 2019 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Revolving Credit Agreement"), by and among CommScope Holding Company, Inc. ("Holdings"), CommScope, Inc. (the "Borrower"), the subsidiaries of the Borrower identified therein as Co-Borrowers, 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 Revolving Credit Facility 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 a certain Patent Security Agreement, dated as of April 4, 2019 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Patent Security Agreement") 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 Patent Security Agreement was recorded with the United States Patent and Trademark Office ("USPTO") on July 3, 2019 at Reel 049892 and Frame 0396, the Patent Security Agreement was recorded with the United States Patent and Trademark Office ("USPTO") on November 15, 2021 at Reel 058843 and Frame 0712, and the Patent Security Agreement was recorded with the United States Patent and Trademark Office ("USPTO") on March 8, 2022 at Reel 059350 and Frame 0743; 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 Agreement solely with respect to the Patents, and any right, title or interest of the Collateral Agent arising under the Patent Security Agreement 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: 
Name: Inderjeet Aneja
Title: Executive Director

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: _____
Name:
Title:

COMMSCOPE TECHNOLOGIES LLC, as Grantor
ARRIS ENTERPRISES LLC, as Grantor
COMMSCOPE, INC. OF NORTH CAROLINA, as Grantor

DocuSigned by:

By: _____
Name: Kyle Lorentzen
Title: Executive Vice President and Chief Financial Officer

EXHIBIT A

See attached.

Title	App. No.	App. Date	Patent No.	Issue Date	Owner
Method and system for distributing personalized editions of media programs using bookmarks	10010736	12/6/2001	7320137	1/15/2008	ARRIS Enterprises LLC
Method and system for distributing personalized editions of media programs using bookmarks	10034200	12/27/2001	7032177	4/18/2006	ARRIS Enterprises LLC
Method and apparatus to maintain specification absorption rate at a wireless node	10319567	12/16/2002	7610027	10/27/2009	ARRIS Enterprises LLC
System and method for upgrading processing capabilities of a media center	10404837	3/31/2003	7391808	6/24/2008	ARRIS Enterprises LLC
Digital signal processing scheme for high performance HFC digital return path system with bandwidth conservation	10465326	6/18/2003	7671778	3/2/2010	ARRIS Enterprises LLC
System and method for providing trick modes	10685958	10/14/2003	7764863	7/27/2010	ARRIS Enterprises LLC
System and method for providing media stream related applications	10698189	10/30/2003	8185926	5/22/2012	ARRIS Enterprises LLC
Authentication for Ad-Hoc network setup	11024281	12/28/2004	7571313	8/4/2009	ARRIS Enterprises LLC
Method and system for implementing the time division multiple access method to AD-HOC multiphopping wireless networks	11169815	6/29/2005	7349362	3/25/2008	ARRIS Enterprises LLC
Method and system for synchronizing separated edge QAM devices located remotely from a CMTS	11182535	7/15/2005	7403547	7/22/2008	ARRIS Enterprises LLC
System and method for effecting the secure deployment of networks	11192560	7/29/2005	8037159	10/11/2011	ARRIS Enterprises LLC
System and method for providing quality of service provisions and congestion control in a wireless communication network	11260826	10/27/2005	7733766	6/8/2010	ARRIS Enterprises LLC
Method and apparatus for broadcast in an ad hoc network using elected broadcast relay nodes	11295909	12/7/2005	7593376	9/22/2009	ARRIS Enterprises LLC
System and method for determining the mobility of nodes in a wireless communication network	11342119	12/21/2005	7830842	11/9/2010	ARRIS Enterprises LLC
Playback system, apparatus, and method, information processing apparatus and method, and program therefor	11506809	8/21/2006	8103149	1/24/2012	ARRIS Enterprises LLC
Recovering from failures without impact on data traffic in a shared bus architecture	11831950	7/31/2007	8238255	8/7/2012	ARRIS Enterprises LLC
Method and apparatus for performing motion estimation	11940761	11/15/2007	8908765	12/9/2014	ARRIS Enterprises LLC
Method and apparatus for limiting access to programming in a switched digital video system	11943301	11/20/2007	8528013	9/3/2013	ARRIS Enterprises LLC
Source optimized dynamic trickplay	12005986	12/28/2007	8693849	4/8/2014	ARRIS Enterprises LLC
Interaction among items connected to a network	12047191	3/12/2008	8271575	9/18/2012	ARRIS Enterprises LLC
Synchronizing separated edge QAM devices located remotely from a CMTS	12141789	6/18/2008	7873077	1/18/2011	ARRIS Enterprises LLC
Method for measuring the time of arrival of radio signals	12181727	7/29/2008	8130146	3/6/2012	ARRIS Enterprises LLC
Femtocell architecture in support of voice and data communications	12250947	10/14/2008	8116264	2/14/2012	ARRIS Enterprises LLC
Hybrid video encoder including real-time and off-line video encoders	12346921	12/31/2008	8401075	3/19/2013	ARRIS Enterprises LLC
Method and apparatus for decoding an enhanced video stream	12395056	2/27/2009	8369415	2/5/2013	ARRIS Enterprises LLC
Dynamic resource load reduction	12711026	2/23/2010	8428786	4/23/2013	ARRIS Enterprises LLC
Video streaming using adaptive TCP window size	13210553	8/16/2011	8903952	12/2/2014	ARRIS Enterprises LLC
Parallel rate control for digital video encoder with multi-processor architecture and picture-based look-ahead window	13253937	10/5/2011	9374615	6/21/2016	ARRIS Enterprises LLC
Femtocell architecture in support of voice and data communications	13371331	2/10/2012	8576781	11/5/2013	ARRIS Enterprises LLC
Seamless mapping in a media content item	13419615	3/14/2012	9106979	8/11/2015	ARRIS Enterprises LLC
Recovering from failures without impact on data traffic in a shared bus architecture	13548116	7/12/2012	9030943	5/12/2015	ARRIS Enterprises LLC
Method and apparatus for decoding an enhanced video stream	13733870	1/3/2013	9167246	10/20/2015	ARRIS Enterprises LLC
Method and apparatus for adaptive bit rate content delivery	13802316	3/13/2013	9357248	5/31/2016	ARRIS Enterprises LLC
Passive measurement of available link bandwidth	13831383	3/14/2013	9154396	10/6/2015	ARRIS Enterprises LLC
Interactive method and apparatus for mixed media narrative presentation	13857550	4/5/2013	10585548	3/10/2020	ARRIS Enterprises LLC
Wireless architecture in support of voice and data communications	14043760	10/1/2013	8855058	10/7/2014	ARRIS Enterprises LLC
Source optimized dynamic trickplay	14190932	2/26/2014	9094703	7/28/2015	ARRIS Enterprises LLC
Error recovery for video delivery via a segmentation process	14263071	4/28/2014	9549203	1/17/2017	ARRIS Enterprises LLC
INTERACTIVE VIEWING EXPERIENCES BY DETECTING ON-SCREEN TEXT	14266172	4/30/2014			
Generating alerts based upon detector outputs	1444934	7/28/2014	9693030	6/27/2017	ARRIS Enterprises LLC
Content based video content segmentation	14483507	9/11/2014	9888279	2/6/2018	ARRIS Enterprises LLC
Recognizable identification of a network device	14633850	2/27/2015	10031639	7/24/2018	ARRIS Enterprises LLC
Method and apparatus for decoding an enhanced video stream	14862200	9/23/2015	9854272	12/26/2017	ARRIS Enterprises LLC
Library style media DRM APIs in a hosted architecture	15085970	3/30/2016	10162944	12/25/2018	ARRIS Enterprises LLC
Electronic apparatus, method and program for selecting content based on time of day	15551540	8/16/2017	10972801	4/6/2021	ARRIS Enterprises LLC

Title	App. No.	App. Date	Patent No.	Issue Date	Owner
Generating alerts based upon detector outputs	15601559	5/22/2017	10148928	12/4/2018	ARRIS Enterprises LLC
Method and apparatus for decoding an enhanced video stream	15834055	12/6/2017	10616606	4/7/2020	ARRIS Enterprises LLC
Method and apparatus for decoding an enhanced video stream	16829733	3/25/2020	11146822	10/12/2021	ARRIS Enterprises LLC
METHOD AND APPARATUS FOR DECODING AN ENHANCED VIDEO STREAM	17473734	9/13/2021			ARRIS Enterprises LLC
Small signal threshold and proportional gain distributed digital communications	10414907	4/16/2003	7103377	9/5/2006	CommScope Technologies LLC
Dipole antennas and coaxial to microstrip transitions	10529677	2/28/2006	7692601	4/6/2010	CommScope Technologies LLC
Spread-spectrum receivers with extended dynamic range	10766347	1/28/2004	7672359	3/2/2010	CommScope Technologies LLC
High efficiency amplifier	10973360	10/26/2004	7148746	12/12/2006	CommScope Technologies LLC
Service blocker device and method	11010460	12/13/2004	7167628	1/23/2007	CommScope Technologies LLC
Cable management assembly, system and method	11101143	4/7/2005	7677400	3/16/2010	CommScope Technologies LLC
Splice chip device	11212492	8/25/2005	7272291	9/18/2007	CommScope Technologies LLC
Compact blind mateable optical splitter	11213772	8/30/2005	7636507	12/22/2009	CommScope Technologies LLC
Methods and systems for controlling optical power attenuation	11238553	9/29/2005	7729630	6/1/2010	CommScope Technologies LLC
System and method to monitor broadband radio frequency transport systems	11302723	12/14/2005	7603093	10/13/2009	CommScope Technologies LLC
Splitter modules for fiber distribution hubs	11321696	12/28/2005	7245809	7/17/2007	CommScope Technologies LLC
Fiber access terminal including moisture barrier plate	11335193	1/19/2006	7308183	12/11/2007	CommScope Technologies LLC
Methods and systems for controlling power in a communications network	11349827	2/8/2006	7684698	3/23/2010	CommScope Technologies LLC
Method and apparatus for determining path loss by combining geolocation with interference suppression	11434754	5/17/2006	7804786	9/28/2010	CommScope Technologies LLC
Wall-mounted network outlet	11461648	8/1/2006	7612653	11/3/2009	CommScope Technologies LLC
Small signal threshold and proportional gain distributed digital communications	11469623	9/1/2006	7539509	5/26/2009	CommScope Technologies LLC
Method for data maintenance and integration including interpolation	11485338	7/13/2006	7630327	12/8/2009	CommScope Technologies LLC
Signal transmission method from a local network node	11572973	1/30/2007	8503342	8/6/2013	CommScope Technologies LLC
Fiber access terminal including moisture barrier plate with punch out	11585327	10/23/2006	7330628	2/12/2008	CommScope Technologies LLC
Distributed remote base station system	11627255	1/25/2007	8583100	11/12/2013	CommScope Technologies LLC
Service blocker device and method	11636372	12/8/2006	7352948	4/1/2008	CommScope Technologies LLC
Digitized reverse link monitor	11692028	3/27/2007	8457562	6/4/2013	CommScope Technologies LLC
Fiber distribution enclosure	11725139	3/15/2007	7583885	9/1/2009	CommScope Technologies LLC
Passband resonator filter with predistorted quality factor Q	11735558	4/16/2007	7782158	8/24/2010	CommScope Technologies LLC
System and method for estimating the location of a mobile device	11743139	5/1/2007	8331953	12/11/2012	CommScope Technologies LLC
Frame arrangement for a telecommunications cabinet	11799038	4/30/2007	7659476	2/9/2010	CommScope Technologies LLC
Latch and handle arrangement for a telecommunications panel	11821542	6/22/2007	7660507	2/9/2010	CommScope Technologies LLC
Mounting system for telecommunications panels	11821543	6/22/2007	7627221	12/1/2009	CommScope Technologies LLC
Fiber termination block with splitters	11888913	8/2/2007	7590328	9/15/2009	CommScope Technologies LLC
Cable with twisted pair centering arrangement	11891655	8/10/2007	7592550	9/22/2009	CommScope Technologies LLC
Multi-pair cable with channeled jackets	11891664	8/10/2007	7629536	12/8/2009	CommScope Technologies LLC
Method and apparatus for determining coupled path loss	11920075	9/28/2009	8532024	9/10/2013	CommScope Technologies LLC
Method and apparatus for determining path loss by active signal detection	11920076	12/15/2008	8320264	11/27/2012	CommScope Technologies LLC
Adjusting wireless signal transmission power	11963574	12/21/2007	8909278	12/9/2014	CommScope Technologies LLC
Network address translation for tunnel mobility	11967370	12/31/2007	8345694	1/1/2013	CommScope Technologies LLC
Cabinet including optical bulkhead plate for blown fiber system	11970439	1/7/2008	7637148	2/2/2010	CommScope Technologies LLC
Electrical connector having a protective floor element	11971038	1/8/2008	7744388	6/29/2010	CommScope Technologies LLC
Ranging in UMS networks	11984207	11/14/2007	8170885	5/1/2012	CommScope Technologies LLC
Multi-drop closure systems and methods for fiber optic cabling	12017562	1/22/2008	7668432	2/23/2010	CommScope Technologies LLC
Systems and methods for lifting a terminal enclosure in below ground applications	12018902	1/24/2008	7633742	12/15/2009	CommScope Technologies LLC
Coupler for interconnecting electrical connectors	12027329	2/7/2008	7572148	8/11/2009	CommScope Technologies LLC
Fiber optic connector with protective cap	12047400	3/13/2008	7556437	7/7/2009	CommScope Technologies LLC
Outside plant enclosure with pivoting fiber trays	12072492	2/25/2008	7574093	8/11/2009	CommScope Technologies LLC
Service blocker device and method	12080252	3/31/2008	7756383	7/13/2010	CommScope Technologies LLC
Rear drawer latch	12082299	4/8/2008	7567744	7/28/2009	CommScope Technologies LLC
Method and device for coupling optical waveguides	12092715	10/14/2008	8019191	9/13/2011	CommScope Technologies LLC
Field termination kit	12101366	4/11/2008	7676134	3/9/2010	CommScope Technologies LLC
Telecommunications patch	12103393	4/15/2008	7607938	10/27/2009	CommScope Technologies LLC

Title	App. No.	App. Date	Patent No.	Issue Date	Owner
Electrical connector with compensation loops	12105582	4/15/2008	7641521	1/5/2010	CommScope Technologies LLC
Electrical connector with enhanced back end design	12107228	4/22/2008	7575482	8/18/2009	CommScope Technologies LLC
Systems and methods for Venturi fan-assisted cooling	12137309	6/11/2008	7724521	5/25/2010	CommScope Technologies LLC
Cable management panel with rear entry	12157395	6/9/2008	7599599	10/6/2009	CommScope Technologies LLC
Normal through optical panel	12171390	7/11/2008	7587116	9/8/2009	CommScope Technologies LLC
Hinge for cable trough cover	12183195	7/31/2008	7612300	11/3/2009	CommScope Technologies LLC
Hinge for cable trough cover	12184327	8/1/2008	7615710	11/10/2009	CommScope Technologies LLC
Connector enclosure	12191443	8/14/2008	7744287	6/29/2010	CommScope Technologies LLC
Stackable splice chip device	12231313	8/29/2008	7764858	7/27/2010	CommScope Technologies LLC
Grounding device for fiber storage trays	12290233	10/28/2008	7899297	3/1/2011	CommScope Technologies LLC
Splice tray arrangement	12290234	10/28/2008	7620288	11/17/2009	CommScope Technologies LLC
System and method for multiple range estimation location	12292821	11/26/2008	8160609	4/17/2012	CommScope Technologies LLC
Splice chip device	12313510	11/19/2008	7684669	3/23/2010	CommScope Technologies LLC
Access terminal hand-off methods in wireless networks	12343438	12/23/2008	8774134	7/8/2014	CommScope Technologies LLC
Grounding device for armored cable	12369126	2/11/2009	8023793	9/20/2011	CommScope Technologies LLC
Bulkhead with angled openings and method	12381162	3/6/2009	7978951	7/12/2011	CommScope Technologies LLC
Telecommunication rack unit tray	12381163	3/6/2009	7813612	10/12/2010	CommScope Technologies LLC
Fiber access terminal including moisture barrier plate with punch out	12411109	3/25/2009	7715683	5/11/2010	CommScope Technologies LLC
Method of inserting CDMA beacon pilots in output of distributed remote antenna nodes	12468122	5/19/2009	9001811	4/7/2015	CommScope Technologies LLC
Electrical connector with separable contacts	12547321	8/25/2009	7967644	6/28/2011	CommScope Technologies LLC
Fanout cable assembly and method	12573696	10/5/2009	8573855	11/5/2013	CommScope Technologies LLC
Telecommunications panel and drawer arrangement	12586285	9/18/2009	8526774	9/3/2013	CommScope Technologies LLC
Universal sliding adapter pack	12590498	10/26/2009	8315497	11/20/2012	CommScope Technologies LLC
Hinge for cable trough cover	12605743	10/26/2009	8330042	12/11/2012	CommScope Technologies LLC
Enclosure for housing splice trays	12607653	10/28/2009	8260105	9/4/2012	CommScope Technologies LLC
Method and apparatus for digitally equalizing a signal in a distributed antenna system	12643410	12/21/2009	8135102	3/13/2012	CommScope Technologies LLC
Cable management assembly, system and method	12657613	1/21/2010	8899424	12/2/2014	CommScope Technologies LLC
Cable retainer assembly and method for positioning the same	12687654	1/14/2010	8452151	5/28/2013	CommScope Technologies LLC
Latch assembly for a connector assembly	12688284	1/15/2010	8062049	11/22/2011	CommScope Technologies LLC
Fiber optic module and chassis	12688688	1/15/2010	8494329	7/23/2013	CommScope Technologies LLC
Phase shifter having an accelerometer disposed on a movable circuit board	12751646	3/31/2010	8674788	3/18/2014	CommScope Technologies LLC
Panel antenna having sealed radio enclosure	12792367	6/2/2010	8497813	7/30/2013	CommScope Technologies LLC
System and method for detection of mobile operating through a repeater	12841828	7/22/2010	8331954	12/11/2012	CommScope Technologies LLC
System and method for identifying the path or devices on the path of a communication signal	12908627	10/20/2010	8170473	5/1/2012	CommScope Technologies LLC
Grounding device for fiber storage trays	12931047	1/20/2011	8666215	3/4/2014	CommScope Technologies LLC
Methods, systems and devices for providing fiber-to-the-desktop	12953781	11/24/2010	8515234	8/20/2013	CommScope Technologies LLC
System and method for mobile location by proximity detection	12986439	1/7/2011	9331798	5/3/2016	CommScope Technologies LLC
Fiber distribution enclosure	13006189	1/13/2011	8498510	7/30/2013	CommScope Technologies LLC
Fiber optic cable bundle with staggered connectors	13019735	2/2/2011	8801296	8/12/2014	CommScope Technologies LLC
System and method for multiple range estimation location	13051911	3/18/2011	8249622	8/21/2012	CommScope Technologies LLC
Autoregressive signal processing for repeater echo cancellation	13081654	4/7/2011	8559485	10/15/2013	CommScope Technologies LLC
System and method for total flight time ratio pattern matching	13112690	5/20/2011	8489122	7/16/2013	CommScope Technologies LLC
Bulkhead with angled openings and method	13158153	6/10/2011	8494330	7/23/2013	CommScope Technologies LLC
Electrical connector with separable contacts	13164443	6/20/2011	8287316	10/16/2012	CommScope Technologies LLC
Electrical cable with optical fiber	13177318	7/6/2011	8676010	3/18/2014	CommScope Technologies LLC
Fiber optic splice tray	13213560	8/19/2011	8554044	10/8/2013	CommScope Technologies LLC
Routing requests for location-to-service translation (LoST) services using proxy server	13232292	9/14/2011	8812728	8/19/2014	CommScope Technologies LLC
Telecommunications wire having a channelled dielectric insulator and methods for manufacturing the same	13236088	9/19/2011	8641844	2/4/2014	CommScope Technologies LLC
System and method for detection of mobile operating through a repeater	13247153	9/28/2011	8838019	9/16/2014	CommScope Technologies LLC
System and method of UMTS UE location using uplink dedicated physical control channel and downlink synchronization channel	13269911	10/10/2011	8331956	12/11/2012	CommScope Technologies LLC
Front-access locking arrangement for sliding drawer	13275042	10/17/2011	8483556	7/9/2013	CommScope Technologies LLC

Title	App. No.	App. Date	Patent No.	Issue Date	Owner
Interpolation-based digital pre-distortion architecture	13289010	11/4/2011	8557041	9/17/2013	CommScope Technologies LLC
Testing of optical cable using optical time domain reflectometry	13291779	11/8/2011	8654321	2/18/2014	CommScope Technologies LLC
System and method for generating a location estimate using a method of intersections	13302754	11/22/2011	8380220	2/19/2013	CommScope Technologies LLC
System and method for identifying the path or devices on the path of a communication signal	13302765	11/22/2011	8385819	2/26/2013	CommScope Technologies LLC
LTE user equipment positioning system and method	13365709	2/3/2012	8897813	11/25/2014	CommScope Technologies LLC
Fiber optic cable with electrical conductors	13371899	2/13/2012	9739966	8/22/2017	CommScope Technologies LLC
Ranging in UMTS networks	13396256	2/14/2012	8315648	11/20/2012	CommScope Technologies LLC
System and method for multiple range estimation location	13396281	2/14/2012	8380222	2/19/2013	CommScope Technologies LLC
Pre-distortion architecture for compensating non-linear effects	13398088	2/16/2012	8711976	4/29/2014	CommScope Technologies LLC
Fiber optic adapters and connector devices with mounting features and mounting systems and methods including same	13420276	3/14/2012	8827571	9/9/2014	CommScope Technologies LLC
Digital pre-distortion with carrier cancellation	13431398	3/27/2012	8660207	2/25/2014	CommScope Technologies LLC
Mobile location in a remote radio head environment	13443142	4/10/2012	9715001	7/25/2017	CommScope Technologies LLC
Universal cable management panel	13443410	4/10/2012	8705927	4/22/2014	CommScope Technologies LLC
Fiber management panel	13594474	8/24/2012	9081164	7/14/2015	CommScope Technologies LLC
Slidable fiber optic connection module with cable slack management	13643653	10/5/2012	9002166	4/7/2015	CommScope Technologies LLC
Electrical connector with separable contacts	13651662	10/15/2012	8496501	7/30/2013	CommScope Technologies LLC
Fiber optic cable and connector assembly	13784044	3/4/2013	9046658	6/2/2015	CommScope Technologies LLC
Optical fiber protective tubing assembly	13859553	4/9/2013	9217828	12/22/2015	CommScope Technologies LLC
Electrical connector with separable contacts	13948869	7/23/2013	8632368	1/21/2014	CommScope Technologies LLC
System and method for location boosting using proximity information	13984463	11/24/2014	9693333	6/27/2017	CommScope Technologies LLC
Electrical connector with separable contacts	14139354	12/23/2013	9263821	2/16/2016	CommScope Technologies LLC
Modular high density telecommunications frame and chassis system	14213077	3/14/2014	9435975	9/6/2016	CommScope Technologies LLC
Cable management system including splitter/filter tray	14413963	1/9/2015	9709766	7/18/2017	CommScope Technologies LLC
Fiber optic adapters and connector devices with mounting features and mounting systems and methods including same	14476942	9/4/2014	9678282	6/13/2017	CommScope Technologies LLC
System and method to collect and modify calibration data	14518868	10/20/2014	9097784	8/4/2015	CommScope Technologies LLC
Fiber management structure having a splice tray with modular elements	14631481	2/25/2015	9575274	2/21/2017	CommScope Technologies LLC
Housing for breakout cords terminated to plates	14667586	3/24/2015	9728909	8/8/2017	CommScope Technologies LLC
Systems and method for processing optical cable assemblies	14718850	5/21/2015	9720185	8/1/2017	CommScope Technologies LLC
Fiber optic cable assembly including a connector assembly	14726954	6/1/2015	9678290	6/13/2017	CommScope Technologies LLC
Fiber cable fan-out assembly and method	14747282	6/23/2015	9395009	7/19/2016	CommScope Technologies LLC
Splice module for fiber blade	14924365	10/27/2015	9778433	10/3/2017	CommScope Technologies LLC
Telecommunications wire having a channeled dielectric insulator and methods for manufacturing the same	14925484	10/28/2015	9870846	1/16/2018	CommScope Technologies LLC
Electrical connector with separable contacts	15042554	2/12/2016	9787015	10/10/2017	CommScope Technologies LLC
Physical layer management configured active optical module with native and non-native network element support	15167478	5/27/2016	9742496	8/22/2017	CommScope Technologies LLC
Modular high density telecommunications frame and chassis system	15256167	9/2/2016	9952398	4/24/2018	CommScope Technologies LLC
System and method for location boosting using proximity information	15603514	5/24/2017	10085230	9/25/2018	CommScope Technologies LLC
Physical layer management configured active optical module with native and non-native network element support	15679580	8/17/2017	10075244	9/11/2018	CommScope Technologies LLC
Systems and methods for detecting passive intermodulation sources using thermal imaging	15753396	2/19/2018	10158435	12/18/2018	CommScope Technologies LLC
Modular high density telecommunications frame and chassis system	15958618	4/20/2018	10473875	11/12/2019	CommScope Technologies LLC
System and method for optimizing location estimate of mobile unit	12014018	1/14/2008	8311018	11/13/2012	CommScope, Inc. of North Carolina
System and method for generating a location estimate using non-uniform grid points	12019509	1/24/2008	8170579	5/1/2012	CommScope, Inc. of North Carolina
System and method for predicting location accuracy of a mobile unit	12019575	1/24/2008	8280384	10/2/2012	CommScope, Inc. of North Carolina
Method to modify calibration data used to locate a mobile unit	12026332	2/5/2008	7561104	7/14/2009	CommScope, Inc. of North Carolina
System and method to modify wireless network calibration data	12026352	2/5/2008	8254966	8/28/2012	CommScope, Inc. of North Carolina
System and method to obtain calibration data using estimation techniques	12026364	2/5/2008	8326317	12/4/2012	CommScope, Inc. of North Carolina
System and method to collect and modify calibration data	12026372	2/5/2008	8938252	1/20/2015	CommScope, Inc. of North Carolina
System and method for generating a location estimate using uniform and non-uniform grid points	12026480	2/5/2008	8406753	3/26/2013	CommScope, Inc. of North Carolina
Splice revolver, splice module and method of organizing fiber strands in the splice module	12039623	2/28/2008	7756378	7/13/2010	CommScope, Inc. of North Carolina

Title	App. No.	App. Date	Patent No.	Issue Date	Owner
System and method for generating non-uniform grid points from calibration data	12068213	2/4/2008	8175620	5/8/2012	CommScope, Inc. of North Carolina
Bottom entry interconnection element for connecting components to a circuit board	12113285	5/1/2008	7581965	9/1/2009	CommScope, Inc. of North Carolina
Hinged cable guide panel providing access to panel rear	12183132	7/31/2008	7756380	7/13/2010	CommScope, Inc. of North Carolina
Method to modify calibration data used to locate a mobile unit	12424320	4/15/2009	8400358	3/19/2013	CommScope, Inc. of North Carolina
Anti-theft marking for copper clad steel	12705242	2/12/2010	8450612	5/28/2013	CommScope, Inc. of North Carolina
Datacommunications modules, cable-connector assemblies and components therefor	13167161	6/23/2011	8882514	11/11/2014	CommScope, Inc. of North Carolina
Communications enclosure having rear mounted bracket and method of securing a cable bundle to a communications enclosure using a rear mounted bracket	13218481	8/26/2011	8824851	9/2/2014	CommScope, Inc. of North Carolina
Method to modify calibration data used to locate a mobile unit	13771542	2/20/2013	8786494	7/22/2014	CommScope, Inc. of North Carolina
Communications connectors having frequency dependent communications paths and related methods	14342826	3/5/2014	9455765	9/27/2016	CommScope, Inc. of North Carolina
Bridging connector for adjacent sliding trays	14618834	2/10/2015	9730196	8/1/2017	CommScope, Inc. of North Carolina
Radio frequency transmitters having redundant signal paths and monitoring circuitry for detecting signal loss	14843071	9/2/2015	10014883	7/3/2018	CommScope, Inc. of North Carolina