

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7213100

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ABL SECURITY AGREEMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ARRIS ENTERPRISES LLC	03/07/2022
	COMMSCOPE TECHNOLOGIES LLC	03/07/2022
	COMMSCOPE, INC. OF NORTH CAROLINA	03/07/2022
RECEIVING PARTY DATA		
Name:	JPMORGAN CHASE BANK, N.A.	
Street Address:	4 CHASE METROTECH CENTER	
Internal Address:	MC: NY1-C413	
City:	BROOKLYN	
State/Country:	NEW YORK	
Postal Code:	11245-0001	
PROPERTY NUMBERS Total: 552		
Property Type	Number	
Patent Number:	D935428	
Patent Number:	10375696	
Patent Number:	10498465	
Patent Number:	10644814	
Patent Number:	10658787	
Patent Number:	10658794	
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Patent Number:	10728776	
Patent Number:	10732358	
Patent Number:	10734765	
Patent Number:	10739545	

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Application Number:	63257020

Property Type	Number
Application Number:	63257408
Application Number:	63257864
Application Number:	63260586

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, ECarrera@cahill.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
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SIGNATURE:	/Elaine Carrera/
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DATE SIGNED:	03/08/2022
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Total Attachments: 20

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PATENT SECURITY AGREEMENT

This PATENT PROPERTY SECURITY AGREEMENT (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**Patent Security Agreement**”) dated March 7, 2022, is made by the Person listed on the signature pages hereof (the “**Pledgor**”) in favor of 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 ABL Credit Agreement referred to below).

WHEREAS, COMMScope, Inc., a Delaware corporation (the “**Parent Borrower**”), has entered into a Credit Agreement, dated as of April 4, 2019 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**ABL Credit Agreement**”), with CommScope Holding Company, Inc., a Delaware corporation (“**Holdings**”), the other borrowers party thereto (collectively with the Parent Borrower, the “**Borrowers**”), JPMorgan Chase Bank, N.A., as the Administrative Agent and Collateral Agent, and the Lenders party thereto.

WHEREAS, as a condition precedent to the making of the Loans by the Lenders and the issuance of Letters of Credit by Issuing Banks under the ABL Credit Agreement, each Pledgor has executed and delivered that certain Security Agreement, dated April 4, 2019, by Holdings, the Borrowers, the Pledgor, the other grantors party thereto from time to time and the Collateral Agent (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”). Terms defined in the Security Agreement and not otherwise defined herein are used herein as defined in the Security Agreement.

WHEREAS, under the terms of the Security Agreement, the Pledgor has granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in, among other property, certain patents of the Pledgor, and have agreed as a condition thereof to execute this Patent Security Agreement for recording with the United States Patent and Trademark Office and any other appropriate domestic governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Pledgor agrees as follows:

- (1) Grant of Security. The Pledgor hereby grants to the Collateral Agent for the benefit of the Secured Parties a security interest in all of such Pledgor’s right, title and interest in and to the following (the “**Collateral**”):
 - (a) the patents and patent applications set forth in Schedule A hereto (the “**Patents**”);
 - (b) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Pledgor accruing thereunder or pertaining thereto;
 - (c) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

(d) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Collateral of or arising from any of the foregoing;

provided that notwithstanding anything to the contrary contained in the foregoing clauses (a) through (d), the security interest created hereby shall not extend to, and the term "Collateral," shall not include any lease, license or other agreement to the extent that (and only for so long as) a grant of a security interest therein would violate or invalidate such lease, license, or agreement, or create a right of termination in favor of any other party thereto (other than any Pledgor), in each case to the extent not rendered unenforceable pursuant to applicable provisions of the UCC or other applicable law, provided, that the Collateral includes proceeds and receivables of any property excluded under the foregoing proviso, the assignment of which is expressly deemed effective under the UCC notwithstanding such prohibition; provided further that, notwithstanding anything to the contrary contained in the foregoing clauses (a) through (d), the security interest created hereby shall not extend to any Excluded Assets.

(2) Security for Obligations. The grant of a security interest in, the Collateral by the Pledgor under this Patent Security Agreement secures the payment of all Obligations of such Pledgor now or hereafter existing under or in respect of the Credit Documents (as such Credit Documents may be amended, amended and restated, supplemented, replaced, refinanced or otherwise modified from time to time (including any increases of the principal amount outstanding thereunder)). Without limiting the generality of the foregoing, this Patent Security Agreement secures, as to the Pledgor, the payment of all amounts that constitute part of the Secured Obligations (as defined in the Security Agreement) that would be owed by such Pledgor to any Secured Party under the Credit Documents but for the fact that they are unenforceable or not allowable due to the existence of a bankruptcy, or reorganization or similar proceeding involving a Credit Party.

(3) Recordation. The Pledgor authorizes and requests that the Commissioner for Patents record this Patent Security Agreement.

(4) Execution in Counterparts. This Patent Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

(5) Grants, Rights and Remedies. This Patent Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. The Pledgor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Patent Security Agreement Supplement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

(6) Governing Law. This Patent Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

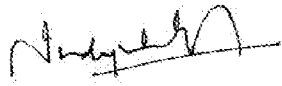
[Signature Pages Follow]

IN WITNESS WHEREOF, the Pledgor has caused this Patent Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

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

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

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

By: 
Name: Inderjeet Aneja
Title: Executive Director

Schedule A to the Patent Security Agreement

1. Issued Patents

Owner Name	Patent Number	Issue Date	App Number	File Date
CommScope Technologies LLC	D935428	2021-11-09	29/688352	2019-04-19
CommScope Technologies LLC	10375696	2019-08-06	15/958897	2018-04-20
CommScope Technologies LLC	10498465	2019-12-03	16/288452	2019-02-28
CommScope Technologies LLC	10644814	2020-05-05	16/504437	2019-07-08
CommScope Technologies LLC	10658787	2020-05-19	16/273306	2019-02-12
CommScope Technologies LLC	10658794	2020-05-19	16/269707	2019-02-07
CommScope Technologies LLC	10666000	2020-05-26	16/273296	2019-02-12
CommScope Technologies LLC	10678002	2020-06-09	16/326100	2019-02-15
CommScope Technologies LLC	10690874	2020-06-23	16/324191	2019-02-08
CommScope Technologies LLC	10694397	2020-06-23	16/163667	2018-10-18
CommScope Technologies LLC	10700731	2020-06-30	16/419308	2019-05-22
CommScope Technologies LLC	10700778	2020-06-30	16/272565	2019-02-11
CommScope Technologies LLC	10712515	2020-07-14	16/433268	2019-06-09
CommScope Technologies LLC	10728776	2020-07-28	16/539388	2019-08-13
CommScope Technologies LLC	10732358	2020-08-04	16/348826	2019-05-09
CommScope Technologies LLC	10734765	2020-08-04	16/346454	2019-04-30
CommScope Technologies LLC	10739545	2020-08-11	16/326078	2019-02-15
CommScope Technologies LLC	10749250	2020-08-18	16/531265	2019-08-05
CommScope Technologies LLC	10777953	2020-09-15	16/326055	2019-02-15
CommScope Technologies LLC	10782720	2020-09-22	16/380921	2019-04-10
CommScope Technologies LLC	10790899	2020-09-29	16/477781	2019-07-12
CommScope Technologies LLC	10798667	2020-10-06	16/432314	2019-06-05
CommScope Technologies LLC	10811169	2020-10-20	16/307267	2018-12-05
CommScope Technologies LLC	10812200	2020-10-20	16/394094	2019-04-25
CommScope Technologies LLC	10819433	2020-10-27	16/327545	2019-02-22
CommScope Technologies LLC	10819570	2020-10-27	16/511933	2019-07-15
CommScope Technologies LLC	10820209	2020-10-27	16/264388	2019-01-31

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CommScope Technologies LLC	10820444	2020-10-27	16/324334	2019-02-08
CommScope Technologies LLC	10830978	2020-11-10	16/404863	2019-05-07
CommScope Technologies LLC	10833529	2020-11-10	16/340673	2019-04-09
CommScope Technologies LLC	10838151	2020-11-17	16/421545	2019-05-24
CommScope Technologies LLC	10851916	2020-12-01	16/413246	2019-05-15
CommScope Technologies LLC	10873939	2020-12-22	16/381720	2019-04-11
CommScope Technologies LLC	10877223	2020-12-29	16/329481	2019-02-28
CommScope Technologies LLC	10877224	2020-12-29	16/402472	2019-05-03
CommScope Technologies LLC	10879605	2020-12-29	16/287114	2019-02-27
CommScope Technologies LLC	10887018	2021-01-05	16/347043	2019-05-02
CommScope Technologies LLC	10887676	2021-01-05	16/408719	2019-05-10
CommScope Technologies LLC	10890730	2021-01-12	16/329150	2019-02-27
CommScope Technologies LLC	10901155	2021-01-26	16/445487	2019-06-19
CommScope Technologies LLC	10908366	2021-02-02	16/466766	2019-06-05
CommScope Technologies LLC	10910731	2021-02-02	16/329250	2019-02-28
CommScope Technologies LLC	10910763	2021-02-02	16/437330	2019-06-11
CommScope Technologies LLC	10912025	2021-02-02	16/559151	2019-09-03
CommScope Technologies LLC	10914909	2021-02-09	16/341706	2019-04-12
CommScope Technologies LLC	10916842	2021-02-09	16/575451	2019-09-19
CommScope Technologies LLC	10924243	2021-02-16	16/504084	2019-07-05
CommScope Technologies LLC	10928604	2021-02-23	16/329912	2019-03-01
CommScope Technologies LLC	10938167	2021-03-02	16/293536	2019-03-05
CommScope Technologies LLC	10948677	2021-03-16	16/463308	2019-05-22
CommScope Technologies LLC	10950970	2021-03-16	16/538936	2019-08-13
CommScope Technologies LLC	10950993	2021-03-16	16/269699	2019-02-07
CommScope Technologies LLC	10958097	2021-03-23	16/462252	2019-05-20
CommScope Technologies LLC	10958312	2021-03-23	16/287610	2019-02-27
CommScope Technologies LLC	10964999	2021-03-30	16/360466	2019-03-21
CommScope Technologies LLC	10978840	2021-04-13	16/375530	2019-04-04
CommScope Technologies	10979114	2021-04-13	16/256765	2019-01-24

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CommScope Technologies LLC	10986558	2021-04-20	16/400911	2019-05-01
CommScope Technologies LLC	11009672	2021-05-18	16/288714	2019-02-28
CommScope Technologies LLC	11019741	2021-05-25	16/386614	2019-04-17
CommScope Technologies LLC	11038282	2021-06-15	16/322043	2019-01-30
CommScope Technologies LLC	11064444	2021-07-13	16/383718	2019-04-15
CommScope Technologies LLC	11073672	2021-07-27	16/935907	2020-07-22
CommScope Technologies LLC	11085207	2021-08-10	16/402274	2019-05-03
ARRIS Enterprises LLC	11088988	2021-08-10	16/329753	2019-02-28
ARRIS Enterprises LLC	11095060	2021-08-17	16/351017	2019-03-12
CommScope Technologies LLC	11101898	2021-08-24	16/327814	2019-02-23
CommScope Technologies LLC	11108149	2021-08-31	16/312835	2018-12-21
ARRIS Enterprises LLC	11115865	2021-09-07	16/426619	2019-05-30
CommScope Technologies LLC	11116000	2021-09-07	16/405801	2019-05-07
CommScope Technologies LLC	11126239	2021-09-21	16/269479	2019-02-06
ARRIS Enterprises LLC	11126525	2021-09-21	16/420708	2019-05-23
CommScope Technologies LLC	11169334	2021-11-09	16/914885	2020-06-29
ARRIS Enterprises LLC	11172244	2021-11-09	16/396639	2019-04-27
ARRIS Enterprises LLC	11184179	2021-11-23	16/266736	2019-02-04
CommScope Technologies LLC	11201388	2021-12-14	16/357449	2019-03-19

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CommScope Technologies LLC	16341772	2019-04-12
CommScope Technologies LLC	16348098	2019-05-07
CommScope Technologies LLC	16380907	2019-04-10
CommScope Technologies LLC	16383264	2019-04-12
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ARRIS Enterprises LLC	16396637	2019-04-27
ARRIS Enterprises LLC	16396641	2019-04-27

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CommScope Technologies LLC	16413233	2019-05-15
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CommScope Technologies LLC	16413385	2019-05-15
CommScope Technologies LLC	16423312	2019-05-28
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CommScope Technologies LLC	17291487	2021-05-05
ARRIS Enterprises LLC	17330249	2021-05-26
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CommScope Technologies LLC	17390086	2021-07-30
CommScope Technologies LLC	17390103	2021-07-30
ARRIS Enterprises LLC	17394640	2021-08-05
CommScope, Inc. of North Carolina	17396427	2021-08-06
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ARRIS Enterprises LLC	17462409	2021-08-31
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ARRIS Enterprises LLC	17484487	2021-09-24
CommScope Technologies LLC	17484630	2021-09-24
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ARRIS Enterprises LLC	17491587	2021-10-01
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CommScope Technologies LLC	17504891	2021-10-19

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ARRIS Enterprises LLC	17529708	2021-11-18
ARRIS Enterprises LLC	17529712	2021-11-18
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CommScope Technologies LLC	17533900	2021-11-23
CommScope Technologies LLC	17536631	2021-11-29
CommScope Technologies LLC	17536988	2021-11-29
CommScope, Inc. of North Carolina	17537421	2021-11-29
CommScope Technologies LLC	17538359	2021-11-30
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CommScope Technologies LLC	17539707	2021-12-01
ARRIS Enterprises LLC	17539741	2021-12-01
CommScope Technologies LLC	17539842	2021-12-01
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CommScope Technologies LLC	17552390	2021-12-16
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ARRIS Enterprises LLC	17580876	2022-01-21
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CommScope Technologies LLC	17599933	2021-09-29

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CommScope Technologies LLC	17600020	2021-09-29
CommScope Technologies LLC	17601300	2021-10-04
CommScope Technologies LLC	17601847	2021-10-06
ARRIS Enterprises LLC	17602163	2021-10-07
CommScope Technologies LLC	17602638	2021-10-08
CommScope Technologies LLC	17603112	2021-10-12
CommScope Technologies LLC	17603224	2021-10-12
CommScope Technologies LLC	17604105	2021-10-15
CommScope Technologies LLC	17604134	2021-10-15
CommScope Technologies LLC	17604289	2021-10-15
CommScope Technologies LLC	17605454	2021-10-21
CommScope Technologies LLC	17605673	2021-10-22
CommScope Technologies LLC	17605837	2021-10-22
CommScope Technologies LLC	17610898	2021-11-12
CommScope Technologies LLC	17610945	2021-11-12
CommScope Technologies LLC	17611399	2021-11-15
CommScope Technologies LLC	17611858	2021-11-16
CommScope Technologies LLC	17612040	2021-11-17
CommScope Technologies LLC	17612473	2021-11-18
CommScope Technologies LLC	17612518	2021-11-18
CommScope Technologies LLC	17613885	2021-11-23
CommScope Technologies LLC	17614295	2021-11-24
CommScope Technologies LLC	17615335	2021-11-30
CommScope Technologies LLC	17618229	2021-12-10
CommScope Technologies LLC	17619169	2021-12-14
CommScope Technologies LLC	17621167	2021-12-20
CommScope Technologies LLC	17621324	2021-12-21
CommScope Technologies LLC	17621347	2021-12-21
CommScope Technologies LLC	17621599	2021-12-21
CommScope Technologies LLC	17621623	2021-12-21
CommScope Technologies LLC	17622949	2021-12-27
CommScope Technologies LLC	17623825	2021-12-29
CommScope Technologies LLC	17624023	2021-12-30
CommScope Technologies LLC	17625691	2022-01-07
CommScope Technologies LLC	17626184	2022-01-11
CommScope Technologies LLC	17626363	2022-01-11
CommScope Technologies LLC	17626403	2022-01-11
CommScope Technologies LLC	17626887	2022-01-13
CommScope Technologies LLC	17626907	2022-01-13
CommScope Technologies LLC	17627519	2022-01-14
CommScope Technologies LLC	17627549	2022-01-14
CommScope Technologies LLC	17627579	2022-01-14

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CommScope Technologies LLC	17627597	2022-01-14
CommScope Technologies LLC	17628412	2022-01-19
CommScope Technologies LLC	17628433	2022-01-19
ARRIS Enterprises LLC	17647251	2022-01-06
ARRIS Enterprises LLC	17647260	2022-01-06
CommScope Technologies LLC	63227403	2021-07-30
CommScope Technologies LLC	63227521	2021-07-30
CommScope Technologies LLC	63228759	2021-08-03
CommScope Technologies LLC	63229132	2021-08-04
ARRIS Enterprises LLC	63230467	2021-08-06
CommScope Technologies LLC	63230505	2021-08-06
CommScope Technologies LLC	63231407	2021-08-10
CommScope Technologies LLC	63231419	2021-08-10
CommScope Technologies LLC	63231852	2021-08-11
ARRIS Enterprises LLC	63232067	2021-08-11
ARRIS Enterprises LLC	63232307	2021-08-12
ARRIS Enterprises LLC	63232308	2021-08-12
CommScope Technologies LLC	63232522	2021-08-12
CommScope Technologies LLC	63233300	2021-08-15
ARRIS Enterprises LLC	63234361	2021-08-18
ARRIS Enterprises LLC	63234384	2021-08-18
ARRIS Enterprises LLC	63234953	2021-08-19
CommScope Technologies LLC	63235924	2021-08-23
CommScope Technologies LLC	63236041	2021-08-23
CommScope Technologies LLC	63236065	2021-08-23
CommScope Technologies LLC	63236727	2021-08-25
ARRIS Enterprises LLC	63236811	2021-08-25
ARRIS Enterprises LLC	63236863	2021-08-25
ARRIS Enterprises LLC	63237319	2021-08-26
CommScope Technologies LLC	63237807	2021-08-27
CommScope Technologies LLC	63237864	2021-08-27
CommScope Technologies LLC	63237998	2021-08-27
ARRIS Enterprises LLC	63238321	2021-08-30
ARRIS Enterprises LLC	63238327	2021-08-30
CommScope Technologies LLC	63238587	2021-08-30
CommScope Technologies LLC	63238768	2021-08-30
CommScope Technologies LLC	63238915	2021-08-31
CommScope Technologies LLC	63239043	2021-08-31
ARRIS Enterprises LLC	63239536	2021-09-01
ARRIS Enterprises LLC	63239590	2021-09-01
ARRIS Enterprises LLC	63240711	2021-09-03
CommScope Technologies LLC	63241139	2021-09-07
CommScope Technologies LLC	63241676	2021-09-08

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ARRIS Enterprises LLC	63241685	2021-09-08
ARRIS Enterprises LLC	63242130	2021-09-09
ARRIS Enterprises LLC	63242520	2021-09-10
ARRIS Enterprises LLC	63242543	2021-09-10
ARRIS Enterprises LLC	63242558	2021-09-10
CommScope Technologies LLC	63242817	2021-09-10
ARRIS Enterprises LLC	63242917	2021-09-10
CommScope Technologies LLC	63242924	2021-09-10
ARRIS Enterprises LLC	63244344	2021-09-15
CommScope Technologies LLC	63244593	2021-09-15
ARRIS Enterprises LLC	63245328	2021-09-17
CommScope Technologies LLC	63245357	2021-09-17
ARRIS Enterprises LLC	63246019	2021-09-20
CommScope Technologies LLC	63246136	2021-09-20
CommScope Technologies LLC	63246397	2021-09-21
CommScope Technologies LLC	63246445	2021-09-21
ARRIS Enterprises LLC	63248256	2021-09-24
ARRIS Enterprises LLC	63248954	2021-09-27
ARRIS Enterprises LLC	63249266	2021-09-28
ARRIS Enterprises LLC	63249371	2021-09-28
CommScope Technologies LLC	63249694	2021-09-29
CommScope Technologies LLC	63249851	2021-09-29
CommScope Technologies LLC	63249985	2021-09-29
CommScope Technologies LLC	63250029	2021-09-29
CommScope Technologies LLC	63250044	2021-09-29
CommScope Technologies LLC	63250205	2021-09-29
CommScope Technologies LLC	63252310	2021-10-05
ARRIS Enterprises LLC	63252766	2021-10-06
CommScope Technologies LLC	63252971	2021-10-06
ARRIS Enterprises LLC	63253196	2021-10-07
ARRIS Enterprises LLC	63253263	2021-10-07
CommScope Technologies LLC	63253432	2021-10-07
ARRIS Enterprises LLC	63253703	2021-10-08
ARRIS Enterprises LLC	63253780	2021-10-08
CommScope Technologies LLC	63253852	2021-10-08
CommScope Technologies LLC	63254446	2021-10-11
CommScope Technologies LLC	63254583	2021-10-12
ARRIS Enterprises LLC	63254726	2021-10-12
ARRIS Enterprises LLC	63255218	2021-10-13
CommScope Technologies LLC	63255344	2021-10-13
CommScope Technologies LLC	63255737	2021-10-14
CommScope Technologies LLC	63255746	2021-10-14
CommScope Technologies LLC	63256217	2021-10-15

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ARRIS Enterprises LLC	63256372	2021-10-15
CommScope Technologies LLC	63257020	2021-10-19
CommScope Technologies LLC	63257408	2021-10-19
CommScope Technologies LLC	63257864	2021-10-20
CommScope Technologies LLC	63260586	2021-08-26