

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4577309

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JULIAN S. MULLANEY	03/15/2016
ERIC EMMANUEL ALSTON	03/15/2016
WILLIAM ALAN CARRICO	03/15/2016
ERIC RYAN CHAPPELL	03/05/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COMMSCOPE TECHNOLOGIES LLC
<b>Street Address:</b>	1100 COMMSCOPE PLACE SE
<b>City:</b>	HICKORY
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28602
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15555243
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)332-9081
<i>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.</i>	
<b>Phone:</b>	612-332-5300
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<b>Correspondent Name:</b>	DAVID G. SCHMALTZ
<b>Address Line 1:</b>	P.O. BOX 2903
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<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	02316.4244USWO
<b>NAME OF SUBMITTER:</b>	DAVID G. SCHMALTZ
<b>SIGNATURE:</b>	/David G. Schmaltz/
<b>DATE SIGNED:</b>	09/01/2017
<b>Total Attachments: 4</b>	
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### ASSIGNMENT

WHEREAS, we, Julian S. MULLANEY, Eric Emmanuel ALSTON, William Alan CARRICO and Eric Ryan CHAPPELL, made certain new and useful inventions and improvements for which we filed an international PCT application on March 3, 2016, Application No. PCT/US2016/020712, which is entitled HYBRID CONDUIT SYSTEM.

AND WHEREAS, COMMSCOPE TECHNOLOGIES LLC, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1100 CommScope Place SE, Hickory, North Carolina 28602 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor in any country;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and the right(s) to claim priority thereto, and in and to the application, all patent applications based upon said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other

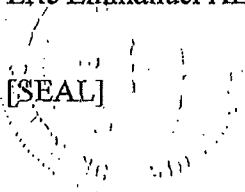


IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of MARCH, 2016.

Eric Emmanuel Alston  
Eric Emmanuel ALSTON

STATE OF NORTH CAROLINA)  
) ss.  
COUNTY OF WAKE )

On this 15 day of March, 2016, before me personally appeared Eric Emmanuel ALSTON to me known and known to me to be the person described in and who executed the foregoing instrument, and Eric Emmanuel ALSTON duly acknowledged to me that Eric Emmanuel ALSTON executed the same for the uses and purposes therein set forth.



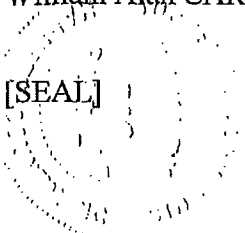
Audrey W. Cornelius  
Notary Public  
My commission expires July 13, 2019

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of March, 2016.

William Alan Carrico  
William Alan CARRICO

STATE OF NORTH CAROLINA)  
) ss.  
COUNTY OF WAKE )

On this 15 day of March, 2016, before me personally appeared William Alan CARRICO to me known and known to me to be the person described in and who executed the foregoing instrument, and William Alan CARRICO duly acknowledged to me that William Alan CARRICO executed the same for the uses and purposes therein set forth.



Audrey W. Cornelius  
Notary Public  
My commission expires July 13, 2019

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared William Alan CARRICO to me known and known to me to be the person described in and who executed the foregoing instrument, and William Alan CARRICO duly acknowledged to me that William Alan CARRICO executed the same for the uses and purposes therein set forth.

[SEAL]

\_\_\_\_\_

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5<sup>th</sup> day of March 2016

*Eric Ryan Chappell*  
Eric Ryan CHAPPELL

STATE OF \_\_\_\_\_ )

) ss.

COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Eric Ryan CHAPPELL to me known and known to me to be the person described in and who executed the foregoing instrument, and Eric Ryan CHAPPELL duly acknowledged to me that Eric Ryan CHAPPELL executed the same for the uses and purposes therein set forth.

[SEAL]

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Notary Public

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