

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIA MEI	06/12/2018
YUEMIN LI	06/12/2018
MARTIN L. ZIMMERMAN	06/12/2018
HAIFENG LI	06/12/2018
LONG SHAN	06/12/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COMMSCOPE TECHNOLOGIES LLC
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<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>	16013262
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)854-1401
<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>	9198541400
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<b>ATTORNEY DOCKET NUMBER:</b>	9833-1181
<b>NAME OF SUBMITTER:</b>	MICHELE P. MCMAHAN
<b>SIGNATURE:</b>	/mpm/
<b>DATE SIGNED:</b>	06/20/2018
<b>Total Attachments: 6</b> source=9833-1181-Assignment#page1.tif	

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**ASSIGNMENT**

THIS ASSIGNMENT, made by us; **Xia Mei**, residing in Suzhou, China; **YueMin Li**, residing in Suzhou, China; **Martin L. Zimmerman**, residing in Chicago, Illinois; **Haifeng Li**, residing in Suzhou, China; and **Long Shan**, residing in Suzhou, China;

WITNESSETH: That,

WHEREAS, we are inventors of certain new and useful improvements in **CELLULAR COMMUNICATION SYSTEMS HAVING ANTENNA ARRAYS THEREIN WITH ENHANCED HALF POWER BEAM (HPBW) CONTROL** for which an application for United States Letters Patent has been filed, or is being concurrently filed, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel, P.A., to insert here in parentheses (Application No. 16/013,262, filed June 20, 2018) the filing date and application number of said application when known or to file this Assignment concurrently with the application; and

WHEREAS, **CommScope Technologies LLC**, a North Carolina corporation having a principal place of business at 1100 CommScope Place SE, Hickory, North Carolina, 28602, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention(s) as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To 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 and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention(s) and application, and in and to any and all utility, continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee,

its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, and to the extent such rights have not already been conveyed to the assignee, we possess full title to the invention(s) and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to me relating to said invention(s), to testify in any interference or legal proceedings involving said invention(s), to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention(s) in all countries and to vest in the assignee complete title to the said invention(s) and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.


IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12 day of Jun, 2018.

  
\_\_\_\_\_  
Xia Mei (SEAL)

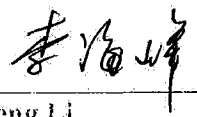
IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12 day of  
Jan, 2018.

李回民 (SEAL)  
YueMin Li

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12 day of  
June, 2018.

  
\_\_\_\_\_  
Martin L. Zimmerman (SEAL)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12 day of Jun, 2018.



Haifeng Li

(SEAL)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12 day of Jun, 2018.

  
Long Shan  
 (SEAL)