

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

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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>
ZHEN GUO	10/30/2015
ZHAO LI	10/30/2015
ROGER DOLES JR.	10/30/2015
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15521581
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	100.1482US01
<b>NAME OF SUBMITTER:</b>	DANIELLE N. SUESS
<b>SIGNATURE:</b>	/Danielle N. Suess/
<b>DATE SIGNED:</b>	04/24/2017
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

We, the undersigned, have invented certain inventions and improvements disclosed in an international patent application entitled

### “HIGH-SPEED CAPTURE AND ANALYSIS OF DOWNLINK DATA IN A TELECOMMUNICATIONS SYSTEM”

filed with the United States Receiving Office on October 29, 2015

and assigned serial no. PCT/US2015/057944 which claims the benefit of U.S. Provisional Patent Application No. 62/076,282 filed with the U.S. Patent and Trademark Office on November 6, 2014.

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to COMMSCOPE TECHNOLOGIES LLC, a limited liability company of the State of North Carolina, having a principal place of business at 1100 CommScope Place, S.E., Hickory, North Carolina 28602 (“Assignee”), the entire right, title, and interest in and to:
  - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
  - (b) the above-referenced patent applications, the right to claim priority to the above-referenced patent applications, all applications based in whole or in part upon the above-referenced patent applications, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent applications;
  - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of

ASSIGNMENT

International Patent Application No. PCT/US2015/057944

Atty. Docket No.: 062508-0955150 (2763 PCT)

Page 2 of 5

this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

(d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.

2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

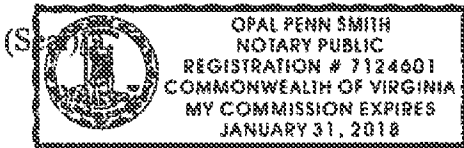
Signed on the dates indicated beside our signatures.

Dated: October 30, 2015

Zhen Guo  
Zhen Guo

STATE OF Virginia  
COUNTY OF Bedford

Before me, a Notary Public in and for the State of Virginia, on this 30<sup>th</sup> day of October, 2015, personally appeared Zhen Guo who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



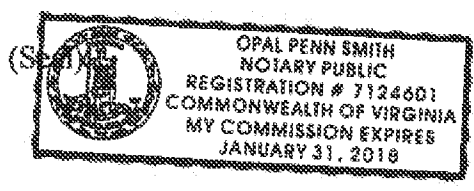
Opal Penn Smith  
NOTARY PUBLIC  
My Commission Expires:  
January 31, 2018

Dated: October 30, 2015

*Zhao Li*  
Zhao Li

STATE OF Virginia  
COUNTY OF Bedford

Before me, a Notary Public in and for the State of Virginia, on this 30<sup>th</sup> day of October, 2015, personally appeared Zhao Li who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



*Opal Penn Smith*  
NOTARY PUBLIC  
My Commission Expires:  
January 31, 2018

ASSIGNMENT

International Patent Application No. PCT/US2015/057944

Atty. Docket No.: 062508-0955150 (2763 PCT)

Page 5 of 5

Dated:

October 30, 2015

Roger Doles, Jr.  
Roger Doles, Jr.

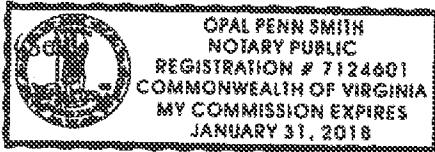
STATE OF

Virginia

COUNTY OF

Bedford

Before me, a Notary Public in and for the State of Virginia, on this 30<sup>th</sup> day of October, 2015, personally appeared Roger Doles, Jr. who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



Opal Penn Smith  
NOTARY PUBLIC

My Commission Expires:

January 31, 2018