

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4578843

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ARIFUL HANNAN	08/29/2017
KHALID W. AL-MUFTI	08/29/2017
THOMAS B. GRAVELY	08/29/2017
ANDREW E. BECK	08/29/2017
<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>	15691615
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(952)465-0771
<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>	952-465-0770
<b>Email:</b>	DOCKETING@FOGGLAW.COM
<b>Correspondent Name:</b>	FOGG & POWERS LLC
<b>Address Line 1:</b>	4600 WEST 77TH STREET SUITE 305
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55435
<b>ATTORNEY DOCKET NUMBER:</b>	100.1347US01
<b>NAME OF SUBMITTER:</b>	LINDSAY M. AHO
<b>SIGNATURE:</b>	/LINDSAY M. AHO/
<b>DATE SIGNED:</b>	09/05/2017
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

WHEREAS, we, Ariful Hannan residing at 20897 Cosworth Terrace, Sterling, VA 20165, ; Khalid W. Al-Mufti residing at 20919 Trinity Square, Sterling, VA 20165, ; Thomas B. Gravely residing at 11693 Hanna Overlook Court, Herndon, VA 20170, US; Andrew E. Beck residing at 21576 LeFevre Inn Drive, Ashburn, VA 20148, US;; made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States filed herewith, entitled INTERFERENCE DETECTION AND IDENTIFICATION IN WIRELESS NETWORK FROM RF OR DIGITIZED SIGNAL (the "Application").

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, NC 28602, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to the inventions, improvements and the Application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the Application, and in and to the Application, all divisions, continuations, continuations-in-part, 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 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 identified above, we do agree that me and my 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 documents, and will communicate to the Assignee, its successors and representatives all facts known to me relating to the improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in the Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with the Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Assignment

Title: INTERFERENCE DETECTION AND IDENTIFICATION IN WIRELESS NETWORK FROM RF OR DIGITIZED SIGNAL

ATTORNEY DOCKET: 100.1347US01

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of August, 2017.

STATE of VA )  
 )ss.  
COUNTY of London )

Ariful Hannan  
Ariful Hannan

On this 29 day of August, 2017, before me personally appeared Ariful Hannan to me known to be the person described herein and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

Mercedes Kimberly Perry  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of August, 2017.

STATE of VA )  
 )ss.  
COUNTY of London )

Khalid W. Al-Mufti  
Khalid W. Al-Mufti

On this 29 day of August, 2017, before me personally appeared Khalid W. Al-Mufti to me known to be the person described herein and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

Mercedes Kimberly Perry  
Notary Public

Embossed Hereon is My  
Commonwealth Of Virginia Notary Public Seal  
My Commission Expires September 30, 2020  
MERCEDES KIMBERLY PERRY

PATENT

REEL: 043485 FRAME: 0003

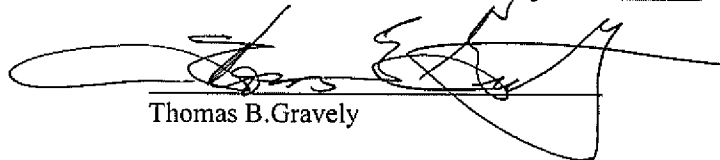
Assignment

Title: INTERFERENCE DETECTION AND IDENTIFICATION IN WIRELESS NETWORK FROM RF OR  
DIGITIZED SIGNAL

ATTORNEY DOCKET: 100.1347US01

PAGE 3 OF 3

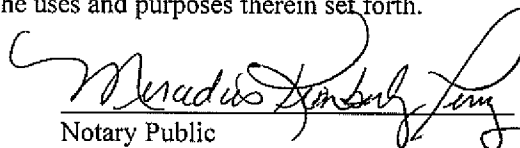
IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of August,  
2017.

  
Thomas B. Gravely

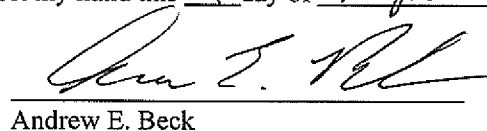
STATE of VA)  
COUNTY of Loudoun) ss.

On this 29 day of August, 2017, before me personally appeared Thomas B. Gravely to  
me known to be the person described herein and who executed the foregoing instrument, and he duly  
acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

  
Notary Public

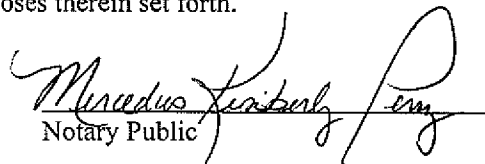
IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of August,  
2017.

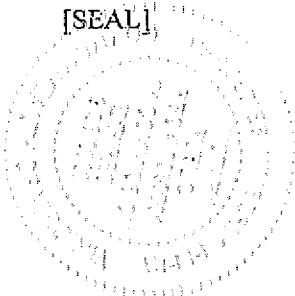
  
Andrew E. Beck

STATE of VA)  
COUNTY of Loudoun) ss.

On this 29 day of August, 2017, before me personally appeared Andrew E. Beck to me  
known to be the person described herein and who executed the foregoing instrument, and he duly acknowledged  
to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

  
Notary Public



Embossed Hereon Is My  
Commonwealth Of Virginia Notary Public Seal  
My Commission Expires September 30, 2020  
**MERCEDES KIMBERLY PERRY**