505674016 09/16/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PART	Υ ΟΑΤΑ			
		Name	Execution Date	
ROGER STAFFORD			05/15/2019	
KEVIN KWASNY			05/15/2019	
RECEIVING PARTY	' DATA			
Name:	CHAR	CHARTER COMMUNICATIONS OPERATING, LLC		
Street Address:	12405	12405 POWERSCOURT DRIVE		
City:	ST. LO	ST. LOUIS		
State/Country:	MISSC	MISSOURI		
Postal Code:	63131			
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DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

TITLE OF INVENTION: MODULAR COMMUNICATIONS EQUIPMENT SUPPORT

As a below named inventor, I hereby declare that:

This declaration is directed to:

[X] The attached application, or

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

For value received, each undersigned inventor, hereby sells, assigns and transfers to Charter Communications Operating, LLC, a Delaware limited liability company, having a principal place of business at 12405 Powerscourt Drive, St. Louis, MO, 63131, ASSIGNEE, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions disclosed in the above-identified patent application, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and each undersigned inventor also concurrently hereby sells, assigns and transfers to ASSIGNEE the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

Each undersigned inventor authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from each undersigned inventor, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

Each undersigned inventor hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

Each undersigned inventor requests that any and all patents for said inventions be issued to ASSIGNEE in the United States and in all countries foreign to the United States, or to such nominees as ASSIGNEE may designate.

Each undersigned inventor agrees that, when requested, he or she shall, without charge to ASSIGNEE but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: David Claussen

Signature:

Date:

Witnessed by:

Signature

Signature

Typed or Printed Name

Typed or Printed Name

PATENT REEL: 050390 FRAME: 0782

-2-

(2) Legal Name of Inventor: Roger Stafford

Signature:

Witnessed by:

Typed or Printed Name

Date: 5/15/2019

Signature

Typed or Printed Name

(3) Legal Name of Inventor: Kevin Kwasny

Signature: _____ Date: ____

Date:

Witnessed by:

Signature

Typed or Printed Name

Typed or Printed Name

Signature

Otterstedt, Ellenbogen & Kammer, LLP 30 Buxton Farms Road, Suite 125 Stamford, CT 06905

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Each undersigned inventor authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from each undersigned inventor, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

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(1) Legal Name of Inventor: David Claussen

Signature: _____ Date: _____

Witnessed by:

Signature

Signature

Typed or Printed Name

Typed or Printed Name

PATENT REEL: 050390 FRAME: 0785

.2.

(2) Legal Name of Inventor: Roger Stafford

Signature: _____ Date: _____ Witnessed by:

Signature

Typed or Printed Name

Typed or Printed Name

Signature

(3) Legal Name of Inventor: Kevin Kwasny

____ Date: MAY 15, 2019 Signature: Witnessed By: Signature Signature

Typed or Printed Name

Typed or Printed Name

Otterstedt, Ellenbogen & Kammer, LLP 30 Buxton Farms Road, Suite 125 Stamford, CT 06905