

## 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>
	LAKHBIR SINGH	10/23/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	CHARTER COMMUNICATIONS OPERATING, LLC	
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<b>City:</b>	ST. LOUIS	
<b>State/Country:</b>	MISSOURI	
<b>Postal Code:</b>	63131	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16679628
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>		
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<b>ATTORNEY DOCKET NUMBER:</b>	CHTR-2017-43C1	
<b>NAME OF SUBMITTER:</b>	PAUL P. KRIZ	
<b>SIGNATURE:</b>	/Paul P. Kriz/	
<b>DATE SIGNED:</b>	11/13/2019	
<b>Total Attachments: 3</b>		
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**ASSIGNMENT**

**WHEREAS**, I, Lakhbir Singh, have invented a certain improvement in  
**WIRELESS CHANNEL ALLOCATION AMONGST MULTIPLE BASE STATIONS**  
described in an application for Letters Patent of the United States, the specification of  
which:

- ☒ [X] is being executed on even date herewith and is about to be filed in the  
United States Patent Office;
- ☐ [ ] was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_;
- ☐ [ ] was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**WHEREAS**, Charter Communications Operating, LLC, (hereinafter  
"ASSIGNEE"), a limited liability company organized and existing under the laws of  
Delaware and having a usual place of business at 12405 Powerscourt Drive  
St. Louis, MO 63131, desires to acquire an interest therein in accordance with  
agreements duly entered into with me;

**NOW, THEREFORE**, to all whom it may concern be it known that for and in  
consideration of said agreements and of other good and valuable consideration, the  
receipt of which is hereby acknowledged, I have sold, assigned and transferred and by  
these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors,  
assigns and legal representatives, the entire right, title and interest in and throughout  
the United States of America, its territories and all foreign countries, in and to said  
invention as described in said application, together with the entire right, title and interest  
in and to said application and such Letters Patent as may issue thereon; said invention,  
application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own  
use and behalf and for its successors, assigns and legal representatives, to the full end  
of the term for which said Letters Patent may be granted as fully and entirely as the  
same would have been held by me had this assignment and sale not been made; I  
hereby convey all rights arising under or pursuant to any and all international  
agreements, treaties or laws relating to the protection of industrial property by filing any  
such applications for Letters Patent. I hereby acknowledge that this assignment, being  
of the entire right, title and interest in and to said invention, carries with it the right in  
ASSIGNEE to apply for and obtain from competent authorities in all countries of the  
world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and  
the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name  
as assignee of the entire right, title and interest therein;

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**AND**, I hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

**AND**, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

**IN TESTIMONY WHEREOF**, I have hereunto set our hands and the date set forth below.

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Date: 10-23-2017

Lakhbir Singh  
Inventor's Signature

Full name of first inventor:

Lakhbir Singh

Residence:

6418 S Tibet St  
Aurora CO 80016

Mailing Address:

Same as above

Date: 10-23-2017

Daniel R Beausoleil  
Witness' Signature

Print full name of Witness:

DANIEL R. BEAUSOLEIL

Residence:

31148 JOANIE RD, GOLDEN CO  
80403

Date: 10/23/2017.

Amish  
Witness' Signature

Print full name of Witness:

AMISH ARORA

Residence:

3635 S Dallas St, Unit E 203  
AURORA CO - 80014.