

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7478716

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FRANK AZCUY	07/26/2022
RECEIVING PARTY DATA	
Name:	CHARTER COMMUNICATIONS OPERATING, LLC
Street Address:	12405 POWERSCOURT DRIVE
City:	ST. LOUIS
State/Country:	MISSOURI
Postal Code:	63131
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17877455
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	7329361400
Email:	US_Docketing@straub-ip.com
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ATTORNEY DOCKET NUMBER:	FA C-133MB
NAME OF SUBMITTER:	MICHAEL P. STRAUB
SIGNATURE:	/Michael P. STRAUB/
DATE SIGNED:	08/10/2022
Total Attachments: 8	
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ASSIGNMENT

WHEREAS, we, **Maulik Vaidya**, ASSIGNOR

a citizen of the **US**, residing at **22086 Purebred Ln,
Escondido, CA, 92029;**

Ahmad Reza Hedayat, ASSIGNOR

a citizen of the **US**, residing at **5254 Coleridge Ct.,
Carlsbad, CA 92008;**

Frank Azcuy, ASSIGNOR

a citizen of the **US**, residing at **17074 Southwest 192
Street, Miami, FL 33187;**

Amitav Mukherjee, ASSIGNOR

a citizen of **India**, residing at **10041 Wild Orchid Way, Elk
Grove, CA 95757;** and

Marcus Maranhao, ASSIGNOR

a citizen of the **US**, residing at **19231 Beckwith Terrace,
Irvine, CA 92603;**

are the inventors of the invention in:

**METHODS AND APPARATUS RELATING TO COMMUNICATING AND/OR
USING MINIMUM FREQUENCY SEPARATION INFORMATION TO
FACILITATE CARRIER AGGREGATION AND/OR DUAL CONNECTIVITY**

for which an application for a Patent of the United States

was filed on July 29, 2022, as application Serial
Number 17/877,455

and WHEREAS, Charter Communications Operating, LLC, a
Delaware limited liability company, having a principal

place of business at 12405 Powerscourt Drive, St. Louis,
MO, 63131, ASSIGNEE

is desirous of obtaining the entire right, title and
interest in, to and under the invention and the
application:

NOW, THEREFORE, in consideration of the sum of One Dollar
(\$1.00) to us in hand paid, and other good and valuable
consideration, the receipt of which is hereby acknowledged,
WE, the ASSIGNORS, have sold, assigned, transferred and set
over, and by these presents do hereby sell, assign,
transfer and set over, unto the ASSIGNEE, its successors,
legal representatives and assigns, the entire right, title
and interest in, to and under the invention, and the United
States application and all divisions, renewals and
continuations (including all continuation-in-part
applications) thereof, and all Patents of the United States
which may be granted thereon and all reissues and
extensions thereof; and all applications for industrial
property protection, including, without limitation, all
applications for patents, utility models and designs which
have been or may hereafter be filed for the invention or
claim the benefit of the application or any right of
priority to the application, in any and all countries
including any country or countries foreign to the United
States, together with the right to file such applications
and the right to claim for the same the priority rights
derived from the United States application under the Patent
Laws of the United States, the International Convention for
the Protection of Industrial Property, or any other
international agreement or the domestic laws of the country
in which any such application is filed, as may be
applicable; and all forms of industrial property
protection, including, without limitation, patents, utility
models, inventor's certificates and designs which may be
granted for the invention in any country or countries
foreign to the United States and all extensions, renewals
and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of
Patents and Trademarks of the United States, and any
official of any country or countries foreign to the United
States, whose duty it is to issue patents or other evidence
or forms of industrial property protection on applications
as aforesaid, to issue the same to the ASSIGNEE, its

successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to us regarding the invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention in all countries.

The undersigned hereby grant(s) the law firm of Straub & Straub, and any other representative of the Assignee, the power to: insert on this Assignment any further identification, including the application serial number and/or application filing date which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document and/or to insert the execution date of this assignment. The undersigned hereby further grant(s) the law firm of Straub & Straub, and its successors the power to make corrections to this assignment, including but not limited to corrections in the assignor information and the assignee information including the assignor name and/or address and the assignee name and/or address.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
_____ day of _____, 2022.

Maulik Vaidya, Assignor

WITNESSED BY:

Witness signature

Witness name (Please print)

Address

WITNESSED BY:

Witness signature

Witness name (Please print)

Address

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
_____ day of _____, 2022.

Ahmad Reza Hedayat, Assignor

WITNESSED BY:

Witness signature

Witness name (Please print)

Address

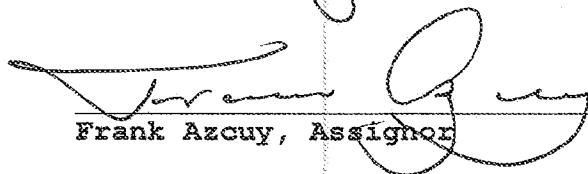
WITNESSED BY:

Witness signature

Witness name (Please print)

Address

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
26 day of July, 2022.



Frank Azcuy, Assignor

WITNESSED BY:

Witness signature

Witness name (Please print)

Address

WITNESSED BY:

Witness signature

Witness name (Please print)

Address

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
_____ day of _____, 2022.

Amitav Mukherjee, Assignor

WITNESSED BY:

Witness signature

Witness name (Please print)

Address

WITNESSED BY:

Witness signature

Witness name (Please print)

Address

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
_____ day of _____, 2022.

Marcus Maranhao, Assignor

WITNESSED BY:

Witness signature

Witness name (Please print)

Address

WITNESSED BY:

Witness signature

Witness name (Please print)

Address