

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TING ZHANG	06/29/2020
HUIJAE KIM	06/02/2020
JUAN MURILLO PACHECO	07/02/2020
RECEIVING PARTY DATA	
Name:	T-MOBILE USA, INC.
Street Address:	12920 SE 38TH STREET
City:	BELLEVUE
State/Country:	WASHINGTON
Postal Code:	98006
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17727967
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ATTORNEY DOCKET NUMBER:	031419-8278.US01
NAME OF SUBMITTER:	DINA FU
SIGNATURE:	/Dina Fu/
DATE SIGNED:	04/25/2022
Total Attachments: 4	
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ASSIGNMENT

WHEREAS, Ting Zhang residing at Bellevue, WA, Huijae Kim residing at Sammamish, WA, and Juan Murillo Pacheco residing at Renton, WA, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

IDENTIFYING AND RESOLVING TELECOMMUNICATION NETWORK
PROBLEMS USING NETWORK EXPERIENCE SCORE

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "IDENTIFYING AND RESOLVING TELECOMMUNICATION NETWORK PROBLEMS USING NETWORK EXPERIENCE SCORE" for which:

a provisional application for United States Letters Patent was filed on ____ and was given U.S. Serial No. ____; and/or

a non-provisional application for United States Letters Patent was:

filed on July 16, 2020 and was given U.S. Serial No. 16/930,584; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Perkins Coie LLP, who are associated with customer number 25096, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, **T-Mobile USA, Inc.** a corporation of the State of Delaware, having its principal place of business at 12920 SE 38th Street, Bellevue, Washington, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

6/29/2020
Date

Tim Zhang
Ting Zhang

Jun 2, 2020



Date

Huijae Kim

Patent Assignment
T-Mobile File No. P3523-US / 707673
OC Ref. No. 031419-8278.US00

7/2/2020

Date

DocuSigned by:
Juan Murillo Pacheco

Juan Murillo Pacheco