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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSI	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNME	ASSIGNMENT		
CONVEYING PARTY	ΔΤΑ				
		Name	Name		
ZAIN US SALEKIN MO	HAMMED			05/19/2020	
RECEIVING PARTY D	ΑΤΑ				
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City:	BELLE	BELLEVUE			
State/Country:	WASHI	WASHINGTON			
Postal Code:	98006	98006			
PROPERTY NUMBER	S Total: 1				
Property Type		Νι	umber		
Application Number: 1688		16880558			
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Patent Assignment T-Mobile File No. IDF3575 OC Ref. No. 231263-30044

ASSIGNMENT

WHEREAS, **Zain us salekin Mohammed**, residing at Bellevue, Washington; (hereinafter called "Assignor(s)"), has made certain new and useful inventions or discoveries relating to:

CALL SET UP FAILURE RATE METRIC AND COMMUNICATION NETWORK OPTIMIZATION BASED THEREON

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "CALL SET UP FAILURE RATE METRIC AND COMMUNICATION NETWORK OPTIMIZATION BASED THEREON" for which:

a provisional application for United States Letters Patent was filed on_____, and was given U.S. Serial No. _____; and

A non-provisional application for United States Letters Patent was filed on <u>16/880,558</u>, and was given U.S. Serial No. <u>May 21, 2020</u>; or filed concurrently herewith. Assignor(s) hereby authorize and request ASSIGNEE's legal representatives of **Loeb & Loeb LLC**, 321 N. Clark Street, Suite 2300, Chicago, IL 60654, who are associated with customer number **159796**, 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, 98006 (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, Assignor(s) 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 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 Assignor(s) if this Assignment and sale had not been made;

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

PATENT REEL: 053562 FRAME: 0164 And for the consideration aforesaid, Assignor(s) 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, Assignor(s) 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 discoveries and patents hereby conveyed and to enable it to record said title.

05/19/2020

Date

Zain us salekin Mohammed

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