506207547 08/17/2020 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:			ASSIGNMENT				
CONVEYING PARTY DATA							
			Name		Execution Date		
PAI-HAN HUANG					07/20/2020		
OLIVIA YUH RU LEE					08/06/2020		
AHMAD KHODAYARI-ROSTAMABAD)		07/20/2020		
RECEIVING PARTY DATA							
Name: HUAWEI TECHNOLOGIES CO			CHNOLOGIES CO., LTD.				
Street Address:	Huawe	ei Adm	inistration Building				
Internal Address: Bantian, Longgang District			iggang District				
City: Shenzhen, Guangdong							
State/Country: CHINA							
Postal Code: 518129							
Application Number: 1678							
Property Type		Number					
CORRESPONDENCE	DATA						
Fax Number:		. ,	732-9218				
			e-mail address first; if that is uns hat is unsuccessful, it will be sen				
using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. Phone: (972)732-1001							
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			ER MATSIL, LLP				
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Address Line 4: DALLAS, TEXAS 75252							
ATTORNEY DOCKET NUMBER:			HW 85568642US09				
NAME OF SUBMITTER:			JULIETTE PARSONS				
SIGNATURE:			/Juliette Parsons/				
DATE SIGNED:			08/17/2020				
Total Attachments: 3							
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PATENT REEL: 053516 FRAME: 0090

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Assignment

RESIDENCE	DATE		SIGNATURE OF INVENTOR	TITLE OF INVENTION	
Mountain View, CA	orar-ar-t	Pai-Han Huang	44	System and Methor	
Mountain View, CA		Ahmad Khodayari- Rostamabad	· · · · · · · · · · · · · · · · · · ·	d for Cloud-Device Coll Performance Abn	
Mountain View, CA		Olivia Yuh Ru Lee		System and Method for Cloud-Device Collaborative Real-Time User Experience and Performance Abnormality Detection	
				Jser Experience and	

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year,

ASSIGNMENT

ATTORNEY DOCKET NO. HW 85568642US09

having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made; and WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed

WHEREAS, Huawei Technologies Co., Ltd. ("Assignee"), a corporation organized and existing under the laws of China, with its principal office at Huawei Administration Building, Bantian Longgang District, Guangdong, Shenzhen 518129, China, is desirous of acquiring my entire right, title and interest in and to said invention, and to said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

applications including divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner for Patents to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to said Assignee, as assignee of my entire right, title and interest. I declare that I have not executed and will not execute any agreement in conflict herewith. NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to said Assignee, its successors and assigns, my entire right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all future non-provisional invention.

I also hereby sell and assign to Assignee, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the lerms of the international Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said Assignee, or to its successors, assigns, and legal

representatives, any facts known to me respecting said invention or the file history thereof, and at the expense of said Assignee, its legal representatives, successors, or assigns, will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and subsitute applications, make all lawful oaths, and generally do everything possible to aid said Assignee, its legal representatives, successors, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

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$3 \dots 3$		Parlomance Al	prormality Detection	
INVENTION SIGKATURE OF NVENTOR AND NAME	Pet-Han Hustig	Ahmod Khoobyan	Christoff B. Los	
OF INVENTION SIGNATURE OF INVENTOR	PerHan Huang	Annad Nhodayan Resembled	Olua Nel Ruise	
35 INVENTION GORATURE OF INVENTOR AND NAME	Per-Han Huang Mourran View, CA		C	
25 INVENTION SIGNATURE OF SVENTOR AND NAME DATE		Restanabat	Dina 118 Bulan 18/16/2023	
35 INVENTION SIGNATURE OF SVENTOR AND NAME DATE		Restanabat	Dina 118 Bulan 18/16/2023	

PATENT REEL: 053516 FRAME: 0092 WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made; and

WHEREAS, Huawei Technologies Co., Ltd. ("Assignee"), a corporation organized and existing under the laws of China, with its principal office at Huawei Administration Building, Bantian Longgang District, Guangdong, Shenzhen 518129, China, is desirous of acquiring my entire right, title and interest in and to said invention, and to said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to said Assignee, its successors and assigns, my entire right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all future non-provisional applications including divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner for Patents to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to said Assignee, as assignee of my entire right, title and interest. I declare that I have not executed and will not execute any agreement in conflict herewith.

I also hereby sell and assign to Assignee, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said Assignee, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention or the file history thereof, and at the expense of said Assignee, its legal representatives, successors, or assigns, will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said Assignee, its legal representatives, successors, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

TITLE OF INVENTION	System and Method for Cloud-Device Collaborative Real-Time User Experience and Performance Abnormality Detection				
SIGNATURE OF INVENTOR AND NAME	Pai-Han Huang	Ahmad Khodayari Rostamabad	Olivia Yuh Ru Lee		
DATE		July 20, 2020			
RESIDENCE	Mountain View, CA	Mountain View, CA	Mountain View, CA		

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

RECORDED: 08/17/2020

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Assignment PATENT REEL: 053516 FRAME: 0093