#### 508133793 09/21/2023

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8180973

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
SANDIP GANGAKHEDKAR	12/17/2018
HANWEN CAO	03/30/2021
JOSEF EICHINGER	03/30/2021
QING WEI	07/27/2023
HUI NI	03/31/2021

### **RECEIVING PARTY DATA**

Name:	Huawei Technologies Co., Ltd.	
Street Address:	Huawei Administration Building	
Internal Address:	Bantian, Longgang District	
City:	Shenzhen, Guangdong	
State/Country:	CHINA	
Postal Code:	518129	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17176362

# **CORRESPONDENCE DATA**

Fax Number: (312)616-5700

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.

Phone: (312) 616-5600

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**Correspondent Name:** LEYDIG, VOIT & MAYER, LTD.

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ATTORNEY DOCKET NUMBER:	HW752317
NAME OF SUBMITTER:	KAJAL AMIN
SIGNATURE:	/Kajal Amin/
DATE SIGNED:	09/21/2023

**PATENT** REEL: 064986 FRAME: 0138

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Attorney Docket No. HW752317 Client Reference No. 85906623US04

#### ASSIGNMENT

# WHEREAS, WE,

Sandip Gangakhedkar Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Josef Eichinger

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Hui Ni

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA;

Hanwen Cao

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Qing Wei

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

have invented and own a certain invention entitled:

# TIME-AWARE OUALITY-OF-SERVICE IN COMMUNICATION SYSTEMS

for which invention we have executed an application (provisional or non-provisional) for a U.S. n\_\_\_\_\_, under U.S. Application No.\_\_\_\_ and February 16, 2021 patent, which was filed on

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA: hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

In re Appln. of Gangakhedkar et al. Attorney Docket No. <u>HW752317</u>

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

Date 17-12-2018	findiply.
	Sandip Gangakhedkar
Date	
\$ <u>\$</u>	Hanwen Cao
Date	
	Josef Eichinger
Date	
***************************************	Qing Wei
Date	Hui Ni

### **PATENT**

Attorney Docket No. <u>HW752317</u> Client Reference No. 85906623US04

#### ASSIGNMENT

# WHEREAS, WE,

Sandip Gangakhedkar Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Josef Eichinger Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Hui Ni Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; Hanwen Cao

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Qing Wei

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

have invented and own a certain invention entitled:

TIME-AWARE QUALITY-OF-SERVICE IN COMMUNICATION SYSTEMS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2021-02-16, under U.S. Application No. 17176362 and

WHEREAS, HUAWEI TECHNOLOGIES CO.,LTD., Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA;, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

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1

In re Appln. of Gangakhedkar et al. Attorney Docket No. HW752317

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Date	
Date 30.03.2021	Sandip Gangakhedkar
	Hanwen Cao
Date	Josef Eichinger
Date	Qing Wei
Date	Hui Ni

#### Attorney Docket No. <u>HW75231</u>7 Client Reference No. 85906623US04

#### ASSIGNMENT

#### WHEREAS, WE,

Sandip Gangakhedkar Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Josef Eichinger Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Hui Ni Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; Hanwen Cao Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Qing Wei Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

have invented and own a certain invention entitled:

TIME-AWARE QUALITY-OF-SERVICE IN COMMUNICATION SYSTEMS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2021-02-16, under U.S. Application No. 17176362 and

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Now, Therefore, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignce agreeably with the terms of this assignment document.

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In re Appin, of Gangakhedkar et al. Attorney Docket No. <u>HW752</u>317

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

Date	
	Sandip Gangakhedkar
en e	
Date	
	Hanwen Cao
Date <u>70.3.2021</u>	
	Josef Eichinger
Date	
	Qing Wei
Date	
	Hui Ni

#### PATENT

Attorney Docket No. <u>HW752317</u> Client Reference No. 85906623US04

# ASSIGNMENT

# WHEREAS, WE,

Sandip Gangakhedkar Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Josef Eichinger Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Hui Ni Huawei Administration Building

Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA;

Hanwen Cao

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Qing Wei

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

have invented and own a certain invention entitled:

# TIME-AWARE QUALITY-OF-SERVICE IN COMMUNICATION SYSTEMS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2021-02-16, under U.S. Application No. 17176362 and

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IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date	
	Sandip Gangakhedkar
Date	
	Hanwen Cao
Date	
	Josef Eichinger
2023.7.27	Wei Clip
	Qing Wei
Date	
	Hui Ni

REEL: 064986 FRAME: 0147

# ASSIGNMENT

# WHEREAS, WE,

Sandip Gangakhedkar Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Josef Eichinger Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Hui Ni Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; Hanwen Cao

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

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Date		
	Sandip Gangakhedkar	
Date	Hanwen Cao	
Date	Josef Eichinger	
Date	Qing Wei	
DateMay 3/, 102/	Hui Ni	