

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6214289

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KUN ZHAO	04/21/2020
LINGFENG LIN	04/20/2020
LING LV	04/20/2020
SHAOSHUAI FAN	04/20/2020
HUI TIAN	04/20/2020
PENGTAO ZHAO	04/20/2020
ZHIQIAN HUANG	04/20/2020
GANG LING	06/28/2020
BI WANG	06/27/2020
RECEIVING PARTY DATA	
Name:	NOKIA SHANGHAI BELL CO., LTD.
Street Address:	388 NINGQIAO ROAD
City:	SHANGHAI
State/Country:	CHINA
Postal Code:	201206
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16651536
CORRESPONDENCE DATA	
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<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>	
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Correspondent Name:	HARNESS, DICKEY & PIERCE, P.L.C.
Address Line 1:	11730 PLAZA AMERICA DRIVE
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Address Line 4:	RESTON, VIRGINIA 20190
ATTORNEY DOCKET NUMBER:	29250H-000099-US-NP
NAME OF SUBMITTER:	GARY D. YACURA, REG. NO. 35,416

PATENT

SIGNATURE:	/Gary D. Yacura/
DATE SIGNED:	07/23/2020
Total Attachments: 7 source=2020-07-23 executed assignment#page1.tif source=2020-07-23 executed assignment#page2.tif source=2020-07-23 executed assignment#page3.tif source=2020-07-23 executed assignment#page4.tif source=2020-07-23 executed assignment#page5.tif source=2020-07-23 executed assignment#page6.tif source=2020-07-23 executed assignment#page7.tif	

ASSIGNMENT - WORLDWIDE

ASSIGNOR(S)

Name	City	Country
Kun Zhao	Shanghai	China
Lingfeng Lin	Shanghai	China
Ling Lv	Shanghai	China
Shaoshuai Fan	Beijing	China
Hui Tian	Beijing	China
Pengtao Zhao	Beijing	China
Zhiqian Huang	Beijing	China
Gang Ling	Hangzhou	China
Bi Wang	Hangzhou	China

ASSIGNEES

Nokia Shanghai Bell Co., Ltd.

388 Ningqiao Road, Shanghai, 201206, People's Republic of China

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR(S) agree to assign and hereby assign, sell, transfer and set over to the ASSIGNEES and its successors, assigns and legal representatives, the entire right, title and interest, for United States of America and for all other countries in and to (1) the invention(s) identified by the following title or application number and filing date, and (2) any and all related inventions ("RELATED INVENTIONS" as defined below).

Application Title: METHOD, DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM FOR RESOURCE ALLOCATION AMONG NETWORK SLICES

Application number: WO PCT/CN2017/105108

Filing date: 2017-09-30
(YYYY-MM-DD)

I/we, the ASSIGNOR(S), hereby authorize and request a representative of the ASSIGNEES to insert the application title, application number and filing date when known/received, after the execution of this document. The ASSIGNOR(S) hereby acknowledge and agree that the ASSIGNEES shall have the right to claim priority, directly or through another patent application, to the application identified above in any and all related patent applications subsequently filed in all jurisdictions.

I/we the ASSIGNOR(S) hereby acknowledge and agree that RELATED INVENTIONS include all national, regional and international patent applications filed and to be filed in any and all jurisdictions, that claim priority to the invention(s) identified by the above title or application number and filing date, said patent applications include all divisionals, continuations, re-issues, re-examinations, and continuations-in-part applications, and RELATED INVENTIONS include all rights and privileges in said patent applications and under any and all letters patent that may be granted in the United States of America and in all other countries resulting from said patent applications.

The ASSIGNOR(S) authorize the ASSIGNEES to make applications for such protection in its own name and maintain such protection in any and all countries including the United States of America, and to

invoke and claim for any application for patent or other form of protection for said invention(s), without further authorization from us, any and all benefits, including the rights of priority provided by any and all treaties, conventions, or agreements.

The ASSIGNOR(S) hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of the ASSIGNEES to apply for patent or other form of protection for said invention(s) and to claim the aforesaid benefit of the right of priority.

The ASSIGNOR(S) request that any and all patents for said invention(s) be issued to the ASSIGNEES, its/their successors, assigns and legal representatives, in the United States of America and in all other countries, or to such nominees as the ASSIGNEES may designate.

The ASSIGNOR(S) agree that, when requested, we shall, without charge to the ASSIGNEES sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

In witness whereof, each inventor/assignor please sign and date below:

Inventor (First Middle LAST)	Signature	Date (YYYY-MM-DD)
Kun Zhao	_____	_____
Lingfeng Lin	_____	_____
Ling Lv	_____	_____
Shaoshuai Fan	_____	_____
Hui Tian	_____	_____
Pengtao Zhao	_____	_____
Zhiqian Huang	_____	_____
Gang Ling	<u>LING GANG</u> <small>LING GANG (Jun 28, 2020 10:11 (GMT+8))</small>	Jun 28, 2020
Bi Wang	<u>Wang Bi</u> <small>Wang Bi (Jun 27, 2020 09:26 (GMT+8))</small>	Jun 27, 2020

This assignment should preferably be signed by the inventor(s) before (a) at least two witnesses who also sign here, or (b) a Notary Public if within the U.S.A.:

Witness Name (First Middle LAST)	Signature	Date (YYYY-MM-DD)
_____	_____	_____
_____	_____	_____

invoke and claim for any application for patent or other form of protection for said invention(s), without further authorization from us, any and all benefits, including the rights of priority provided by any and all treaties, conventions, or agreements.

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In witness whereof, each inventor/assignor please sign and date below:

Inventor (First Middle LAST)	Signature	Date (YYYY-MM-DD)
<u>Kun Zhao</u>	<u>Lingfeng Lin</u>	<u>2020/4/20</u>
<u>Lingfeng Lin</u>		
<u>Ling Lv</u>		
<u>Shaoshuai Fan</u>		
<u>Hui Tian</u>		
<u>Pengtao Zhao</u>		
<u>Zhiqian Huang</u>		
<u>Gang Ling</u>		
<u>Bi Wang</u>		

This assignment should preferably be signed by the inventor(s) before (a) at least two witnesses who also sign here, or (b) a Notary Public if within the U.S.A.:

Witness Name (First Middle LAST)	Signature	Date (YYYY-MM-DD)
<u>Zhaoping Li</u>	<u>Li Zhaoping</u>	<u>2020-4-20</u>
<u>Sujie Tao</u>	<u>Tao Sujie</u>	<u>2020-4-20</u>

invoke and claim for any application for patent or other form of protection for said invention(s), without further authorization from us, any and all benefits, including the rights of priority provided by any and all treaties, conventions, or agreements.

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In witness whereof, each inventor/assignor please sign and date below:

Inventor (First Middle LAST)	Signature	Date (YYYY-MM-DD)
<u>Kun Zhao</u>	_____	_____
<u>Lingfeng Lin</u>	_____	_____
<u>Ling Lv</u>	<u>Ling Lv</u>	<u>2020/4/20</u>
<u>Shaoshuai Fan</u>	_____	_____
<u>Hui Tian</u>	_____	_____
<u>Pengtao Zhao</u>	_____	_____
<u>Zhiqian Huang</u>	_____	_____
<u>Gang Ling</u>	_____	_____
<u>Bi Wang</u>	_____	_____

This assignment should preferably be signed by the inventor(s) before (a) at least two witnesses who also sign here, or (b) a Notary Public if within the U.S.A.:

Witness Name (First Middle LAST)	Signature	Date (YYYY-MM-DD)
<u>孙珂</u>	<u>孙珂</u>	<u>2020-4-20</u>
<u>左淑利</u>	<u>左淑利</u>	<u>2020-4-20</u>

invoke and claim for any application for patent or other form of protection for said invention(s), without further authorization from us, any and all benefits, including the rights of priority provided by any and all treaties, conventions, or agreements.

The ASSIGNOR(S) hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of the ASSIGNEES to apply for patent or other form of protection for said invention(s) and to claim the aforesaid benefit of the right of priority.

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The ASSIGNOR(S) agree that, when requested, we shall, without charge to the ASSIGNEES sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

In witness whereof, each inventor/assignor please sign and date below:

Inventor (First Middle LAST)	Signature	Date (YYYY-MM-DD)
Kun Zhao	_____	_____
Lingfeng Lin	_____	_____
Ling Lv	_____	_____
Shaoshuai Fan	<i>Shaoshuai Fan</i>	<i>2020-4-20</i>
Hui Tian	<i>Hui Tian</i>	<i>2020-4-20</i>
Pengtao Zhao	<i>Pengtao Zhao</i>	<i>2020-4-20</i>
Zhiqian Huang	<i>Zhiqian Huang</i>	<i>2020-4-20</i>
Gang Ling	_____	_____
Bi Wang	_____	_____


This assignment should preferably be signed by the inventor(s) before (a) at least two witnesses who also sign here, or (b) a Notary Public if within the U.S.A.:

Witness Name (First Middle LAST)	Signature	Date (YYYY-MM-DD)
Nan Wang	<i>Nan Wang</i>	<i>2020-04-20</i>
_____	_____	_____

The ASSIGNEES accept this assignment:

Nokia Shanghai Bell Co., Ltd.

Name Edward ZHANG

Signature 

Title EDGM-Strategy & Innovation
of Nokia Shanghai Bell Co., Ltd.

Date (YYYY-MM-DD) Jul 20, 2020