

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHUANGXIN JIANG	09/25/2018
YUKAI GAO	09/25/2018
GANG WANG	09/25/2018
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<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	108-8001
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16085832
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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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<b>ATTORNEY DOCKET NUMBER:</b>	Q241078
<b>NAME OF SUBMITTER:</b>	HAFIDA SAMMANE
<b>SIGNATURE:</b>	/Hafida Sammane/
<b>DATE SIGNED:</b>	10/03/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 3</b>	

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# ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

## 專利申請轉讓聲明書 (37 CFR 1.63)

### Chinese Language Assignment with Declaration

鑒於，我 / 我們，即下面簽名之發明人（以下簡稱「轉讓  
人」），已發明下文確認之申請中所述的若干改善之處；和

鑒於，\_\_\_\_\_（地址位於\_\_\_\_\_）（「承  
讓入」）意欲購買申請和發明以及就此隨後獲取的任何美國  
專利中的全部權利、所有權和權益；

因此，就有值代價而言，相關收據特此確認：

我 / 我們，上文指名轉讓入，特此向上文指名承讓入及其繼  
承人和受讓入出售、轉讓及出讓該申請中適用於美利堅合眾  
國的全部權利、所有權和權益，及該申請中披露的適用於美  
利堅合眾國的發明（包括該申請的所有分案和延續申請），  
及可能據此頒發的所有美國專利證書及所有再頒發之專利證  
書（包括 35 USC 119 項下的要求優先權的權利及就過往損害  
賠償提起訴訟的權利），及適用於所有其他國家的發明（包  
括經修訂 1883 年巴黎國際公約項下的優先權）；我 / 我們請  
求美國專利及商標局局長向承讓入及其繼承人和受讓入簽發  
該申請中所載列之發明的任何專利證書；及我 / 我們特此同  
意承讓入可申請外國發明之專利證書，且我 / 我們將會應承  
讓入的要求，無償簽立承讓入申請美國和外國專利所必需的  
所有文件。

（合法化審批無需記錄，但須作為 35 USC 261 項下執行的表  
面證據）

作為下述發明人，我特此聲明：

該轉讓聲明書乃有關：

- 隨附的申請或  
 於 \_\_\_\_\_ 日 提 交 的  
美國專利申請或 PCT 國際申請號碼  
\_\_\_\_\_

該申請有權：

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Whereas, I/We, the undersigned inventor(s) hereinafter called  
assignor(s), have invented certain improvements described in the  
application identified below; and

Whereas, NEC CORPORATION of 7-1, Shiba 5-chome, Minato-  
ku, Tokyo, 108-8001, Japan, (assignee), desires to acquire the  
entire right, title, and interest in the application and invention, and  
to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is  
hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and  
transfer to the above named assignee, its successors and assigns,  
the entire right, title and interest in the application and the  
invention disclosed therein for the United States of America,  
including all divisions, and continuations thereof, and all Letters  
Patent of the United States that may be granted thereon, and all  
reissues thereof, and all countries foreign thereto, including rights  
of priority under the International Convention of Paris (1883) as  
amended, including the right to claim priority under 35 USC 119  
and the right to sue for past damages, and I/we request the  
Director of the U.S. Patent and Trademark Office to issue any  
Letters Patent granted upon the invention set forth in the  
application to the assignee, its successors and assigns; and I/we  
hereby agree that the assignee may apply for foreign Letters  
Patent on the invention and I/we will execute without further  
consideration all papers deemed necessary by the assignee in  
connection with the United States and foreign applications when  
called upon to do so by the assignee.

(Legalization not required for recording but is prima facie  
evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

This assignment with declaration is directed to:

- The attached application, or  
 United States Application or PCT International Application  
Number PCT/CN2016/077831 filed on March 30, 2016.

The application is entitled:

METHODS AND APPARATUSES FOR TRANSMITTING  
AND RECEIVING REFERENCE SIGNALS

**Chinese Assignment with Declaration**

我已做出或授權他人做出上述確認的申請。

我相信我是申請中要求保護的發明的原始發明人或原始聯合發明人之一。

我已讀過並了解提出該轉讓聲明的申請內容。

根據 37 CFR 1.56 之規定，我知悉我有義務向專利局透露據我所知的有關專利性的所有實質性資訊。

特此確認，根據 18 USC 1001 之規定，於本轉讓聲明書中蓄意做出任何虛假聲明會被處以罰款或五 (5) 年以下監禁或兩者並罰。

The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

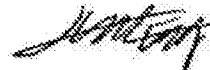
I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

**STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):**

The assignment with declaration is an accurate translation of the corresponding English language assignment with declaration.

Signature



Date

March 17, 2014

<b>NAME OF SOLE OR FIRST INVENTOR:</b> 唯一發明人或第一發明人姓名:		
Given Name (first and middle [if any]) 名字 (名和中名 [若有])	Chuangxin	Family Name or Surname 姓氏 JIANG
Inventor's signature 發明人簽名	<i>Chuangxin</i>	Date 日期 09/25/2018
Residence: 住所:	Beijing, China	
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<b>NAME OF SECOND INVENTOR:</b> 第二發明人姓名:		
Given Name (first and middle [if any]) 名字 (名和中名 [若有])	Yukai	Family Name or Surname 姓氏 GAO
Inventor's signature 發明人簽名	<i>GAO YUKAI</i>	Date 日期 2018.9.25
Residence: 住所:	Beijing, China	
Mailing Address: 通訊地址:	11F, Bldg. A, Innovation Plaza, Tsinghua Science Park, Haidian District, Beijing 100084, China	
<b>NAME OF THIRD INVENTOR:</b> 第三發明人姓名:		
Given Name (first and middle [if any]) 名字 (名和中名 [若有])	Gang	Family Name or Surname 姓氏 WANG
Inventor's signature 發明人簽名	<i>Wang Gang</i>	Date 日期 2018.9.25
Residence: 住所:	Beijing, China	
Mailing Address: 通訊地址:	11F, Bldg. A, Innovation Plaza, Tsinghua Science Park, Haidian District, Beijing 100084, China	