

## 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>
SAI-WAI WONG	08/16/2016
QINGXIN CHU	08/15/2016
YANZHAO ZHOU	08/15/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HUAWEI TECHNOLOGIES CO., LTD.
<b>Street Address:</b>	Huawei Administration Building
<b>Internal Address:</b>	Bantian, Longgang District
<b>City:</b>	Shenzhen
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	518129
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15183300
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(972)731-2289
<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>Email:</b>	dallaspatents@dfw.conleyrose.com
<b>Correspondent Name:</b>	GRANT RODOLPH
<b>Address Line 1:</b>	5601 GRANITE PARKWAY, SUITE 500
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<b>ATTORNEY DOCKET NUMBER:</b>	4576-21600 (83937778US04)
<b>NAME OF SUBMITTER:</b>	GAYATRY NAIR
<b>SIGNATURE:</b>	/Gayatry Nair/
<b>DATE SIGNED:</b>	09/16/2016
<b>Total Attachments: 4</b>	
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**ASSIGNMENT**

**WHEREAS, WE,**

Sai-Wai WONG  
381 Wushan Road, Tianhe  
District, Guangzhou, P.R.China,  
510641; and

Qingxin CHU  
381 Wushan Road, Tianhe District,  
Guangzhou, P.R.China, 510641;  
and

Yanzhao ZHOU  
Palazzo Verrocchio, 3zo Piano  
Centro Direzionale Milano 2  
Segrate 20090, Italy.

have invented and own a certain invention entitled:  
**DUPLEXER AND COMMUNICATIONS SYSTEM HAVING DUPLEXER**  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on 15 Jun 2016, under U.S. Application No. 15183300 and

**WHEREAS, HUAWEI TECHNOLOGIES CO., LTD.**, of 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.

**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

In re Appln. of WONG et al.  
Attorney Docket No. 4576-21600

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.

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

Date 16-8-2016 Wong Sai Wai  
Sai-Wai WONG

Date \_\_\_\_\_  
Qingxin CHU

Date \_\_\_\_\_  
Yanzhao ZHOU

In re Appln. of WONG et al.  
Attorney Docket No. 4576-21600

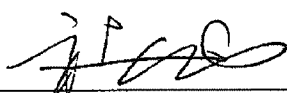
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Date \_\_\_\_\_

\_\_\_\_\_  
Sai-Wai WONG

Date 2016.8.15

  
\_\_\_\_\_  
Qingxin CHU

Date \_\_\_\_\_

\_\_\_\_\_  
Yanzhao ZHOU

In re Appln. of WONG et al.  
Attorney Docket No. 4576-21600

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Date \_\_\_\_\_

\_\_\_\_\_  
Sai-Wai WONG

Date \_\_\_\_\_

\_\_\_\_\_  
Qingxin CHU

Date 2016.8.15

Yan Zhao Zhou  
Yanzhao ZHOU