

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ZHONGWEI PENG</td> <td>01/22/2014</td> </tr> <tr> <td>ZHIQIANG LIAO</td> <td>01/22/2014</td> </tr> <tr> <td>SHAODONG LIU</td> <td>01/20/2014</td> </tr> <tr> <td>XINMING LIU</td> <td>01/20/2014</td> </tr> </tbody> </table>		Name	Execution Date	ZHONGWEI PENG	01/22/2014	ZHIQIANG LIAO	01/22/2014	SHAODONG LIU	01/20/2014	XINMING LIU	01/20/2014
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SHAODONG LIU	01/20/2014										
XINMING LIU	01/20/2014										
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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14165336</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14165336						
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Application Number:	14165336										
CORRESPONDENCE DATA											
Fax Number:	(312)616-5700										
Phone:	312-616-5600										
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	HW716010										
NAME OF SUBMITTER:	JOHN B. CONKLIN										

Signature:	/John B. Conklin/
Date:	01/28/2014
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

PATENT

Attorney Docket No. HW716010
Client Reference No. 83161861U504

ASSIGNMENT

WHEREAS, WE,

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

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

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

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

have invented and own a certain invention entitled:

PHASE SHIFTING APPARATUS AND ANTENNA SYSTEM TO WHICH PHASE SHIFTING APPARATUS IS APPLIED

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 01/27/2014, under U.S. Application No. and 14/165,336

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 Peng et al.
Attorney Docket No. HW716010

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 January 22, 2014 Zhongwei PENG
Zhongwei PENG

Date January 22, 2014 Zhiqiang LIAO
Zhiqiang LIAO

Date _____
Shaodong LIU

Date _____
Xinming LIU

In re Appln. of Peng et al.
Attorney Docket No. _____

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 _____

Zhongwei PENG

Date _____

Zhiqiang LIAO

Date Jan 20, 2014

Shaodong LIU

Shaodong LIU

Date Jan 20, 2014

Xinming LIU

Xinming LIU