

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Yingdong Ma</td> <td>07/25/2012</td> </tr> <tr> <td>Lin Huang</td> <td>07/27/2012</td> </tr> <tr> <td>Songlin Shuai</td> <td>07/25/2012</td> </tr> <tr> <td>Hua Cai</td> <td>07/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yingdong Ma	07/25/2012	Lin Huang	07/27/2012	Songlin Shuai	07/25/2012	Hua Cai	07/25/2012
Name	Execution Date										
Yingdong Ma	07/25/2012										
Lin Huang	07/27/2012										
Songlin Shuai	07/25/2012										
Hua Cai	07/25/2012										
RECEIVING PARTY DATA											
Name:	Huawei Technologies Co., Ltd.										
Street Address:	Huawei Administration Building										
Internal Address:	Bantian Longgang District, Shenzhen										
City:	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>13565499</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13565499						
Property Type	Number										
Application Number:	13565499										
CORRESPONDENCE DATA											
Fax Number:	9726283616										
Phone:	972 628 3600										
Email:	patents@munckcarter.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Docket Clerk/HTCL										
Address Line 1:	P.O. Drawer 800889										
Address Line 4:	Dallas, TEXAS 75380										
NAME OF SUBMITTER:	Robert D. McCutcheon										
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif											

CH \$40.00 13565499

ASSIGNMENT**WHEREAS, WE,**

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

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

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

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

have invented and own a certain invention entitled:
RADIO FREQUENCY SIGNAL LOOPBACK METHOD AND OUTDOOR UNIT
for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on _____, under U.S. Application No. _____ 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 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

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

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 July 25, 2012 Yingdong MA
Yingdong MA

Date July 25, 2012 Jiebo Yuan
Witness

Date July 25, 2012 Chang Cao
Witness

=====

Date _____ Lin HUANG

Date _____ Witness

Date _____ Witness

=====

Date July 25, 2012 Songlin SHUAI
Songlin SHUAI

Date July 25, 2012 Jiebo Yuan
Witness

Date July 25, 2012 Chang Cao
Witness

=====

Date July 25, 2012 Hua Cai
Hua CAI

Date July 25, 2012 Jiebo Yuan
Witness

Date July 25, 2012 Chang Cao
Witness

ASSIGNMENT

WHEREAS, WE,

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

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

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

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

have invented and own a certain invention entitled:
RADIO FREQUENCY SIGNAL LOOPBACK METHOD AND OUTDOOR UNIT
for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on _____, under U.S. Application No. _____ 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 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

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

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 _____
Yingdong MA

Date _____
Witness

Date _____
Witness

=====
Date Jul. 27. 2012
Lin Huang
Lin HUANG

Date Jul. 27. 2012
Jin Wan
Witness

Date Jul. 27. 2012
Jun Chen
Witness

=====
Date _____
Songlin SHUAI

Date _____
Witness

Date _____
Witness

=====
Date _____
Hua CAI

Date _____
Witness

Date _____
Witness