

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ngoc Dung Dao</td> <td>05/10/2012</td> </tr> <tr> <td>Aaron Callard</td> <td>05/10/2012</td> </tr> <tr> <td>Mohammadhadi Baligh</td> <td>05/10/2012</td> </tr> <tr> <td>Hang Zhang</td> <td>05/10/2012</td> </tr> <tr> <td>Ho Ting Cheng</td> <td>05/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ngoc Dung Dao	05/10/2012	Aaron Callard	05/10/2012	Mohammadhadi Baligh	05/10/2012	Hang Zhang	05/10/2012	Ho Ting Cheng	05/10/2012
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<b>RECEIVING PARTY DATA</b>													
Name:	Futurewei Technologies, Inc.												
Street Address:	5340 Legacy Drive, Suite 175												
City:	Plano												
State/Country:	TEXAS												
Postal Code:	75024												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13468901</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13468901								
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Application Number:	13468901												
<b>CORRESPONDENCE DATA</b>													
Fax Number:	(972)628-3616												
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<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/FWTI												
Address Line 1:	P.O. Drawer 800889												
Address Line 4:	Dallas, TEXAS 75380												
NAME OF SUBMITTER:	Robert D. McCutcheon												
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif													

CH \$40.00 13468901

ASSIGNMENT

WHEREAS WE,

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CANADA

Hang Zhang  
24 Gardengate Way  
Nepean, Ontario, K2G 5Z1  
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Aaron Callard  
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Ottawa, Ontario, K2B 7C4  
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Ho Ting Cheng  
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Nepean, Ontario, K2B 8E9  
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Mohammadhadi Baligh  
149 Saltspring Pvt.  
Kanata, Ontario, K2M 0B1  
CANADA

have invented and own a certain invention entitled:

“SIGNALING TO SUPPORT ADVANCED WIRELESS RECEIVERS AND RELATED  
DEVICES AND METHODS”

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, FUTUREWEI TECHNOLOGIES, INC. of 5340 Legacy Drive, Suite 175, Plano, Texas 75024, U.S.A., 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.


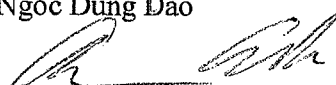
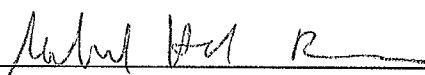
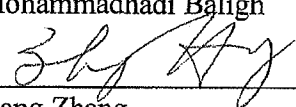
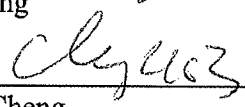
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representative, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent applications 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 on the invention, and in enforcing any rights or chooses in action accruing as a result of such application 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: <u>May 10, 2012</u>	 _____ Ngoc Dung Dao
Date: <u>May 10<sup>th</sup>, 2012</u>	 _____ Aaron Callard
Date: <u>10/5/2012</u>	 _____ Mohammadhadi Baligh
Date: <u>May 10, 2012</u>	 _____ Hang Zhang
Date: <u>May 10, 2012</u>	 _____ Ho Ting Cheng