

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Qinjiang Rao</td> <td>08/26/2010</td> </tr> <tr> <td>Dong Wang</td> <td>08/26/2010</td> </tr> </tbody> </table>		Name	Execution Date	Qinjiang Rao	08/26/2010	Dong Wang	08/26/2010
Name	Execution Date						
Qinjiang Rao	08/26/2010						
Dong Wang	08/26/2010						
RECEIVING PARTY DATA							
Name:	RESEARCH IN MOTION LIMITED						
Street Address:	295 Phillip Street						
City:	Waterloo						
State/Country:	CANADA						
Postal Code:	N2L 3W8						
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>13447418</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13447418		
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Application Number:	13447418						
CORRESPONDENCE DATA							
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<p>Total Attachments: 4        source=34286-US-CNT_Assignment#page1.tif        source=34286-US-CNT_Assignment#page2.tif        source=34286-US-CNT_Assignment#page3.tif        source=34286-US-CNT_Assignment#page4.tif</p>							

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F. 44 978 8. F

RIM Family Ref. No.: RIM 34286-US-PAT

### WORLDWIDE ASSIGNMENT

WHEREAS, WE, (hereinafter referred to as the "ASSIGNORS"):

**Qinjiang Rao - 4000 Innovation Drive, Kanata, Ontario, K2K 3K1, Canada**

**Dong Wang - 185 Columbia Street West, Waterloo, Ontario. N2L 5Z5, Canada**

have invented a **MULTIPLE INPUT, MULTIPLE OUTPUT ANTENNA FOR HANDHELD COMMUNICATION DEVICES** ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

**USA, Application No. 12/364,932, Filed February 3, 2009**

**Europe, Application No. 10152570.7, Filed February 3, 2010**

**PCT, Application No. CA2010/000123, Filed February 2, 2010**

AND WHEREAS, **RESEARCH IN MOTION LIMITED**, (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 295 Phillip Street, Waterloo, Ontario, N2L 3W8, Canada, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS do hereby confirm that ASSIGNORS have transferred, conveyed and assigned, and by way of further assurance do hereby transfer, convey and assign, any and all of ASSIGNOR's respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design

registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNORS do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNORS further agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNORS do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNORS do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNORS and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: Aug 26 2010

Qinjiang Rao  
Qinjiang Rao  
4000 Innovation Drive  
Kanata, Ontario, K2K 3K1  
Canada

STATEMENT BY WITNESS

I, NORMAN WONG, whose full Post Office address is  
4000 Innovation Drive, Kanata, Ontario, K2K 3K1 Canada  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 26<sup>th</sup> Aug, 2010

[Signature]  
(Signature of Witness)

RIM Family Ref. No.: RIM 34286-US-PAT

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: Aug 26, 2010

Dong Wang  
Dong Wang  
185 Columbia Street West  
Waterloo, Ontario, N2L 5Z5  
Canada

STATEMENT BY WITNESS

I, Amin Mobasher, whose full Post Office address is

185 Columbia St. W. Waterloo, Canada  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: Aug 26, 2010

Amin Mobasher  
(Signature of Witness)