

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>Robert Mark Harrison</td> <td>11/11/2011</td> </tr> </tbody> </table>		Name	Execution Date	Robert Mark Harrison	11/11/2011
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Robert Mark Harrison	11/11/2011				
RECEIVING PARTY DATA					
Name:	RESEARCH IN MOTION CORPORATION				
Street Address:	1209 Orange Street				
Internal Address:	The Corporation Trust Center				
City:	Wilmington				
State/Country:	DELAWARE				
Postal Code:	19801				
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>13467277</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13467277
Property Type	Number				
Application Number:	13467277				
CORRESPONDENCE DATA					
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>					
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ATTORNEY DOCKET NUMBER:	31234-0030001				
NAME OF SUBMITTER:	Christie Loven				
Signature:	/Christie Loven/				
Date:	06/19/2013				
Total Attachments: 3 source=42551_Executed Assignment_Harrison_Corporation#page1.tif source=42551_Executed Assignment_Harrison_Corporation#page2.tif source=42551_Executed Assignment_Harrison_Corporation#page3.tif					

CH \$40.00 13467277

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

**HARRISON, Robert Mark, 5000 Riverside Drive, Ext. 63455, Brazos East, Suite 100,
Irving, TX 75039, USA**

am an/are inventor(s) of an invention entitled **ORTHOGONAL RESOURCE SELECTION TRANSMIT DIVERSITY AND RESOURCE ASSIGNMENT** ("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:

US, Application No. 61/522,434 filed August 11, 2011

US, Application No. 13/248,638 filed September 29, 2011

TW, Application No. 100135320 filed September 29, 2011

WO, Application No. PCT/US2011/053882 filed September 29, 2011

US, Application No. 61/541,848 filed September 30, 2011

US, Application No. 61/555,572 filed November 4, 2011

AND WHEREAS, **RESEARCH IN MOTION CORPORATION**, (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the State of Delaware, U.S.A., having a place of business at The Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware, 19801, U.S.A., 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, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; inclusive of any and all priority rights, including the right to claim priority, derived from 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.

ASSIGNOR(S) does/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 ASSIGNOR(S) further agrees/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.

ASSIGNOR(S) does/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.

ASSIGNOR(S) does/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 ASSIGNOR(S) 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:

R. Mark Harrison

HARRISON, Robert Mark,
5000 Riverside Drive, Ext. 63455,
Brazos East, Suite 100,
Irving, TX 75039, USA

Date: Nov 11, 2011

STATEMENT BY WITNESS

I, Jack Anthony Smith, whose full Post Office address is

3503 Hemming Rd, Valley View, TX 76272
(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.

Jack Anthony Smith
(Signature of Witness)

Date: 11-11-2011