

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>Jingwei Xu</td> <td>07/17/2013</td> </tr> <tr> <td>Bruce Allen Bernhardt</td> <td>07/17/2013</td> </tr> <tr> <td>Arnold Sheynman</td> <td>07/17/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jingwei Xu	07/17/2013	Bruce Allen Bernhardt	07/17/2013	Arnold Sheynman	07/17/2013
Name	Execution Date								
Jingwei Xu	07/17/2013								
Bruce Allen Bernhardt	07/17/2013								
Arnold Sheynman	07/17/2013								
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>13838516</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13838516				
Property Type	Number								
Application Number:	13838516								
CORRESPONDENCE DATA									
Fax Number:	8777697945								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Email:	apsi@fr.com								
Correspondent Name:	Fish & Richardson P.C.								
Address Line 1:	P.O. Box 1022								
Address Line 4:	Minneapolis, MINNESOTA 55440								
ATTORNEY DOCKET NUMBER:	29717-0258001								
NAME OF SUBMITTER:	Christie Loven								
Signature:	/Christie Loven/								
Date:	07/18/2013								

CH \$40.00 13838516

PATENT

Total Attachments: 5

source=29717-0258001_Assignment#page1.tif

source=29717-0258001_Assignment#page2.tif

source=29717-0258001_Assignment#page3.tif

source=29717-0258001_Assignment#page4.tif

source=29717-0258001_Assignment#page5.tif

WORLDWIDE ASSIGNMENT

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

Jingwei XU, 2550 W. Golf Road (East Tower), Ext. 65841, Rolling Meadows, Illinois, 60008, USA

Bruce Allen BERNHARDT, 2550 W. Golf Road (East Tower), Ext. 65658, Rolling Meadows, Illinois, 60008, USA

Arnold SHEYNMAN, 2550 W. Golf Road (East Tower), Ext. 65647, Rolling Meadows, Illinois, 60008, USA

am an/are inventor(s) of an invention entitled **MOBILE DEVICE LOCATION ESTIMATION** ("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:

United States Non-Provisional Application #13/838,516 filed March 15, 2013.

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

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:

Jingwei Xu
Jingwei XU

Date: 07/17/2013

2550 W. Golf Road (East Tower), Ext. 65841
Rolling Meadows, Illinois, 60008, USA

STATEMENT BY WITNESS

I, Michael Eoin Buckley, whose full Post Office address is

1368 Wild Indigo Road, Grayslake, IL 60080
(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.

M. Eoin Buckley
(Signature of Witness)

Date: 07/17/2013

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

Bruce A. Bernhardt

Date: 7/17/2013

Bruce Allen BERNHARDT

2550 W. Golf Road (East Tower), Ext. 65658

Rolling Meadows, Illinois, 60008, USA

STATEMENT BY WITNESS

I, Yufei W. Blankenship, whose full Post Office address is

2550 W. Golf Rd, Rolling Meadows, IL 60008
(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.

Yufei W. Blankenship
(Signature of Witness)

Date: 7/17/2013

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

Arnold Sheynman
Arnold SHEYNMAN

Date: 07/17/13

2550 W. Golf Road (East Tower), Ext. 65647
Rolling Meadows, Illinois, 60008, USA

STATEMENT BY WITNESS

I, Yurfei W. Blankenship, whose full Post Office address is
2550 W. Golf Rd, Rolling Meadows IL 60008
(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.

Yurfei Blankenship
(Signature of Witness)

Date: 7/17/2013