

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4441867

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LIZHONG ZHU	08/13/2012
	JOSEPH D. CACI	08/21/2012
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		
	Property Type	Number
	Application Number:	15136549
CORRESPONDENCE DATA		
Fax Number:	(847)510-0710	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Email:	DOCKETING@GGIP.COM	
Correspondent Name:	GUNTIN & GUST, PLC	
Address Line 1:	304 INDIAN TRACE #750	
Address Line 4:	WESTON, FLORIDA 33326	
ATTORNEY DOCKET NUMBER:	10209-0137-01 1/5	
NAME OF SUBMITTER:	RALPH TREMENTOZZI	
SIGNATURE:	/Ralph Tremenziozzi/	
DATE SIGNED:	06/02/2017	
Total Attachments: 8		
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WORLDWIDE ASSIGNMENT

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

ZHU, Lizhong, 295 Phillip Street, Ext. 72246, Waterloo, Ontario, Canada, N2L 3W8

CACI, Joseph D., 295 Phillip Street, Ext. 77399, Waterloo, Ontario, Canada, N2L 3W8

am an/are inventor(s) of an invention entitled **METHOD AND APPARATUS FOR ANTENNA TUNING AND POWER CONSUMPTION MANAGEMENT IN A COMMUNICATION DEVICE** ("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 # 13/552804, Filed July 19, 2012

EP, Application # 12177191.9, Filed July 19, 2012

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, 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.

RIM Family Ref. No.: 44996

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



ZHU, Lizhong,
295 Phillip Street, Ext. 72246,
Waterloo, Ontario,
Canada, N2L 3W8

Date: Aug. 13, 2012

STATEMENT BY WITNESS

I, LIZBO ZHU, whose full Post Office address is

606 Winterberry Ave. Waterloo. ON.
(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.



(Signature of Witness)

Date: Aug 13, 2012

RIM Family Ref. No.: 44996

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

**CACI, Joseph D.,
295 Phillip Street, Ext. 77399,
Waterloo, Ontario,
Canada, N2L 3W8**

Date: _____

STATEMENT BY WITNESS

I, _____, whose full Post Office address is

(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.

(Signature of Witness)

Date: _____

WORLDWIDE ASSIGNMENT

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

ZHU, Lizhong, 295 Phillip Street, Ext. 72246, Waterloo, Ontario, Canada, N2L 3W8

CACI, Joseph D., 295 Phillip Street, Ext. 77399, Waterloo, Ontario, Canada, N2L 3W8

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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.

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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.

RIM Family Ref. No.: 44996

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

Date: _____
ZHU, Lizhong,
295 Phillip Street, Ext. 72246,
Waterloo, Ontario,
Canada, N2L 3W8

STATEMENT BY WITNESS

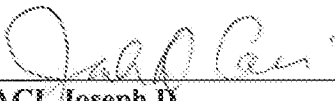
I, _____, whose full Post Office address is

(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.

(Signature of Witness) Date: _____

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


CACI, Joseph D.,
295 Phillip Street, Ext. 77399,
Waterloo, Ontario,
Canada, N2L 3W8

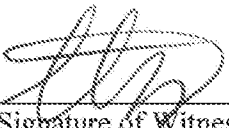
Date: Aug 21, 2012

STATEMENT BY WITNESS

I, Heather Roberts, whose full Post Office address is

626 Green Meadow Cres., Waterloo, ON N2V1E2
(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.


(Signature of Witness)

Date: Aug 21, 2012