

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5373284

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RESEARCH IN MOTION RF, INC.	07/09/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RESEARCH IN MOTION CORPORATION
<b>Street Address:</b>	THE CORPORATION TRUST CENTER
<b>Internal Address:</b>	1209 ORANGE STREET
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19801
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15916340
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Email:</b>	DOCKETING@GGIP.COM
<b>Correspondent Name:</b>	GUNTIN & GUST, PLC
<b>Address Line 1:</b>	304 INDIAN TRACE #750
<b>Address Line 4:</b>	WESTON, FLORIDA 33326
<b>ATTORNEY DOCKET NUMBER:</b>	10209-0117-04 3/4
<b>NAME OF SUBMITTER:</b>	ERIK BOYD
<b>SIGNATURE:</b>	/Erik Boyd/
<b>DATE SIGNED:</b>	02/13/2019
<b>Total Attachments: 15</b>	
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## CONFIRMATION AND ASSIGNMENT

WHEREAS RESEARCH IN MOTION RF, INC., a corporation 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., (the "ASSIGNOR") is the owner of certain rights, title and interest in and to certain inventions and designs (the "Assignor Inventions"); and

WHEREAS RESEARCH IN MOTION CORPORATION, a corporation 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., (the "ASSIGNEE") is the owner of certain rights, title and interest in and to certain inventions and designs (the "Assignee Inventions"); and

WHEREAS ASSIGNOR and ASSIGNEE agree that ASSIGNEE is the owner of developments, modifications, improvements, adaptations of and derivative works, related to the Assignor Inventions or Assignee Inventions, whether created by ASSIGNEE or ASSIGNOR or on their behalf (the "Developments"), and that ASSIGNOR has received full market consideration therefor; and

WHEREAS ASSIGNOR wishes to confirm that ASSIGNEE is the owner of all rights, title and interest of the ASSIGNOR in and to certain of the Developments ("Creations"), described in documents, descriptions and/or drawings ("Creation Documents"), and/or described in applications for patents, design registrations, utility model registrations and other forms of protection ("Applications"), inclusive of any and all priority rights derived therefrom, and all ancillary rights relating thereto, as listed in Schedule "A" attached hereto.

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR and ASSIGNEE, ASSIGNOR and ASSIGNEE, intending to be legally bound, agree as follows:

ASSIGNOR hereby confirms that it has transferred, conveyed and assigned, and by way of further assurance, to the extent that the transfer, conveyance or assignment has not already been fully effected, ASSIGNOR hereby transfers, conveys and assigns, any and all of its rights, title and interest in and to: the Creations; the Creation Documents; Applications, inclusive of any and all priority rights, including the right to claim priority, derived from the Applications; any further applications for patents, designs, utility models or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Creations 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 Creations and Creation Documents; 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 Creations, Creation Documents, Applications,

Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this assignment; with the intent that the Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

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

ASSIGNOR does hereby authorize ASSIGNEE or its patent agents or attorneys to insert in Schedule "A" 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 hereby authorizes and requests The Commissioner of Patents, or any equivalent authority, to issue to ASSIGNEE each and every patent, registration and other forms of protection, right and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns and shall be binding upon ASSIGNOR and its successors and permitted assigns.

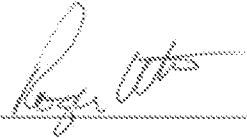
IF ANY COVENANT OR PROVISION, or portion thereof, of this document is determined to be void or unenforceable, such void or unenforceable covenant or provision, or portion thereof, is hereby conceded to be severable from the balance of this document, and any such determination shall not, in any event, affect or impair the validity of the balance of the covenant or provision, nor shall it affect or impair the validity of any other covenant or provision herein contained.

DELIVERY of this Confirmation and Assignment by copy, however transmitted, constitutes valid and effective delivery. This Confirmation and 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 Confirmation And Assignment has been executed below by the undersigned:

Research In Motion RF, Inc.

Date: July 9, 2013

  
By:  
Name: Roger Witteveen  
Title: Treasurer

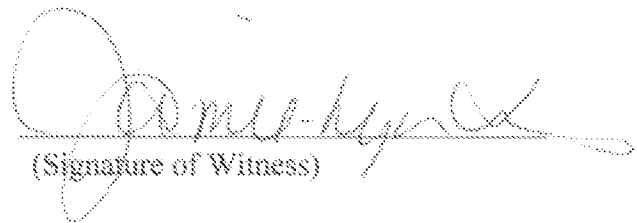
STATEMENT BY WITNESS

I, Janie-Lyn Hebert whose full Post Office Address is

176 Columbia St W, Waterloo, ON, N2L3L3, Canada  
(Address of Witness)

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

Date: July 9, 2013

  
(Signature of Witness)

Legal OK

JLHas per

FBI PATENT 7/9/13

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

Research In Motion Corporation



Date: July 10, 2013

By: \_\_\_\_\_  
Name: James Yersh  
Title: Authorized Signing Officer

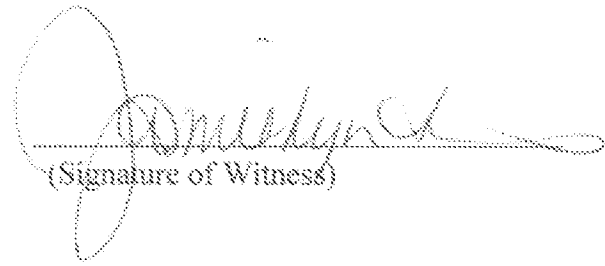
**STATEMENT BY WITNESS**

I, Jamie-Lyn Hebert whose full Post Office Address is

1716 Columbia St. W., Waterloo, ON, N2L 3L3, Canada  
(Address of Witness)

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

Date: July 10, 2013

  
(Signature of Witness)

Legal OK

JLH as per V6.2  
FB PATENT 7/10/13

## SCHEDULE "A" to Confirmation and Assignment

Country Code	Appln. No.	File Date	RIM File #
US	11637529	Dec 12 2006	44777-US-PAT
US	13168529	Jun 24 2011	44778-US-CNT
US	13693388	Dec 04 2012	44778-US-CNT[2]
US	11940309	Nov 14 2007	44778-US-PAT
WO	PCT/US2008/083529	Nov 14 2008	44778-WO-PCT
US	11361513	Feb 24 2006	44877-US-CIP
US	12228012	Sep 27 2008	44877-US-DIV
US	11353930	Feb 14 2006	44877-US-PAT
US	60653162	Feb 15 2005	44877-US-PRV
US	117799242	May 01 2007	44878-US-PAT
US	11245898	Oct 08 2005	44879-US-CIP
US	11602114	Nov 20 2006	44879-US-CIP[2]
US	10938898	Sep 10 2004	44879-US-CNT
US	12952395	Nov 23 2010	44879-US-CNT[2]
US	13302617	Nov 22 2011	44879-US-CNT[3]
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US	13745610	Jan 18 2013	44879-US-CNT[5]
US	13745624	Jan 18 2013	44879-US-CNT[6]
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US	11708286	Feb 20 2007	44879-US-DIV[3]
US	10456683	Jun 06 2003	44879-US-DIV[4]
US	12077136	Mar 17 2008	44879-US-DIV[5]
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US	60/758862		Jan 14 2006	44880-US-PRV
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WO	PCT/US2001/018501		Jun 08 2001	44885-WO-PCT





WO	PCT/US2002/017194	May 31 2002	44886-WO-PCT[2]
US	12/322849	Feb 07 2009	44886-US-CNT
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US	60/554025	Mar 17 2004	44951-US-PRV
US	11/265459	Nov 02 2005	44952-US-PAT
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US	11/698547	Jan 27 2007	44954-US-DIV
US	11/178099	Jul 08 2005	44954-US-PAT
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US	60/592654	Jul 30 2004	44955-US-PRV
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US	10/959559		Oct 06 2004	44958-US-CIP[5]
US	10/959633		Oct 06 2004	44958-US-CIP[6]
US	12/313128		Nov 17 2008	44958-US-DIV
US	60/365383		Mar 18 2002	44958-US-PRV
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US	10/767363		Jan 29 2004	44960-US-PAT
US	60/445348		Feb 05 2003	44960-US-PRV
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US	09/834327		Apr 13 2001	44961-US-PAT
WO	PCT/US2002/011381		Apr 11 2002	44961-WO-PCT
US	10/361271		Feb 10 2003	44962-US-DIV
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US	09/621183		Jul 21 2000	44962-US-PAT
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US	09/457943		Dec 09 1999	44963-US-PAT
US	60/111888		Dec 11 1998	44963-US-PRV
US	10/811706		Mar 29 2004	44964-US-CIP
US	10/673033		Sep 27 2003	44964-US-PAT
US	10/822553		Apr 08 2004	44965-US-CIP
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US	10/144185		May 10 2002	44965-US-PAT
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WO	PCT/US2002/036428	Nov 11 2002	44985-WO-PCT
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US	13/467641	May 09 2012	44987-US-CNT
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US	12/267807	Oct 14 2008	44970-US-PAT
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IN		Apr 20 2011	44971-IN-PCT
JP	2013-566269	Apr 20 2011	44971-JP-PCT
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SG	201207749.1	Apr 20 2011	44971-SG-PCT
US	13/090575	Apr 20 2011	44971-US-PAT
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US	61/326206	Apr 20 2010	44971-US-PRV
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US	13/108463		May 16 2011	44980-US-PAT
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US	61/515424		Aug 05 2011	44982-US-PRV
WO	PCT/US2012/049723		Aug 06 2012	44982-WO-PCT
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US	13/486914		Jun 01 2012	45404-US-PAT
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