

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>John H. Spears</td> <td>09/16/2008</td> </tr> <tr> <td>Wayne E. Smith</td> <td>09/19/2008</td> </tr> <tr> <td>Chenggang Sui</td> <td>09/15/2008</td> </tr> <tr> <td>Yongfei Zhu</td> <td>09/15/2008</td> </tr> </tbody> </table>		Name	Execution Date	John H. Spears	09/16/2008	Wayne E. Smith	09/19/2008	Chenggang Sui	09/15/2008	Yongfei Zhu	09/15/2008
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John H. Spears	09/16/2008										
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Chenggang Sui	09/15/2008										
Yongfei Zhu	09/15/2008										
RECEIVING PARTY DATA											
Name:	RESEARCH IN MOTION RF, INC.										
Street Address:	The Corporation Trust Center										
Internal Address:	1209 Orange Street										
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>13795930</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13795930						
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Application Number:	13795930										
CORRESPONDENCE DATA											
Fax Number:	8475100710										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</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:	10209-0047-04										
NAME OF SUBMITTER:	Andrew Gust										
Total Attachments: 6											
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A S S I G N M E N T

Attorney Docket: 1712-0001

Inventors: John H. Spears
Wayne E. Smith
Chenggang Sui
Yongfei Zhu

In consideration of One Dollar (\$1.00) and other good and valuable consideration in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to Paratek Microwave, Inc., a corporation of the state of Maryland, having its principal office at 9135 Guilford Road, Suite 200, Columbia, MD 21046, (hereinafter referred to as "assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

METHODS FOR TUNING AN ADAPTIVE IMPEDANCE MATCHING NETWORK WITH A LOOK-UP TABLE

And identified as Attorney Docket No. 1712-0001 in the offices of Cook Alex Ltd., 200 West Adams Street, Suite 2850, Chicago, Illinois 60606, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents.

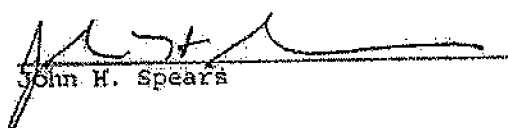
The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the date of execution of said application, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

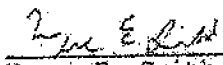
For said consideration the undersigned hereby agree, upon the request, and at the expense of said assignee, its successors, legal representatives and assigns, to execute any and all divisional continuation and renewal or substitute applications for said invention or improvements, and any application for the reissue or extension or any request for the reexamination of any Letters Patent that may be granted upon said application, and any necessary oath or supplemental oath or affidavit or declaration relating thereto, that said assignee, its successors, legal representatives and assigns may deem necessary or expedient; the undersigned further agree upon request of said assignee, its successors, legal representatives and

assigns, in the event that said application or any continuing application thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, become involved in interference, reexamination or litigation in the courts, to cooperate to the best of their abilities with said assignee, its successors, legal representatives and assigns in the matters of preparing the executing preliminary statements and other pleadings and documents and giving and producing evidence in support thereof including testimony in either oral or written form; and the undersigned still further agree to perform upon such request any and all affirmative acts to obtain any said Letters Patent, and vest all rights therein hereby conveyed in the said assignee, its successors, legal representatives and assigns to the end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made; and for said considerations we hereby also assign to said assignee, its successors, legal representatives and assigns the entire right, title and interest in said invention or improvements for any and all foreign countries and the right of priority for patent and utility model applications in all countries arising under any applicable international convention for the protection of industrial property and/or any internal priority legislation of such countries, and we further agree upon the request of said assignee, its successors, legal representatives and assigns to execute any and all documents that shall be required to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof and litigation relative thereto, and to execute any and all documents necessary to invest title in said foreign applications and patents in said assignee.

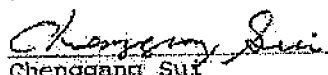
EXECUTED this 16 day of September, 2008.


John H. Spears

EXECUTED this 19 day of September, 2008.


Wayne E. Smith

EXECUTED this 15 day of September, 2008.


Chenggang Su

EXECUTED this 15 day of September, 2008.


Yongfei Zhu

Delaware

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The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE RESTATED CERTIFICATE OF "PARATEK MICROWAVE, INC.", CHANGING ITS NAME FROM "PARATEK MICROWAVE, INC." TO "RESEARCH IN MOTION RF, INC.", FILED IN THIS OFFICE ON THE ELEVENTH DAY OF JUNE, A.D. 2012, AT 9:04 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

3012005 8100

120722245

You may verify this certificate online
at corp.delaware.gov/authver.shtml




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 9639797

DATE: 06-13-12

PATENT
REEL: 030056 FRAME: 0466

NINTH RESTATED
CERTIFICATE OF INCORPORATION
OF
PARATEK MICROWAVE, INC.

* * * * *

PARATEK MICROWAVE, INC., a corporation organized and existing under the laws of the State of Delaware (the "Corporation"), hereby certifies as follows:

1. The name of the corporation is PARATEK MICROWAVE, INC. The date of filing of its original Certificate of Incorporation with the Secretary of State was March 3, 1999. Certificates of Amendment of the Certificate of Incorporation of the Corporation were filed with the Secretary of State of the State of Delaware on March 5, 1999 and August 13, 1999. A certificate of Designations, Powers, Preferences and Rights of the Series A Convertible Preferred Stock of the Corporation was filed with the Secretary of State of the State of Delaware on March 4, 1999, and a Certificate of Amendment to the Certificate of Designations was filed on August 13, 1999. An amended and Restated Certificate of Incorporation of the Corporation was filed with the Secretary of State of the State of Delaware on February 8, 2000, and a Certificate of Amendment of the Amended and Restated Certificated of Incorporation of the Corporation was filed with the Secretary of State of the State of Delaware on July 19, 2000. A Second Restated Certificate of Incorporation of the Corporation was filed with the Secretary of State of the State of Delaware on February 20, 2001, a Third Restated Certificate of Incorporation of the Corporation was filed with the Secretary of State of the State of Delaware on April 30, 2002, a Fourth Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on December 15, 2003, which Fourth Restated Certificate of Incorporation was amended by a Certificate of Amendment filed with the Secretary of State of the State of Delaware on May 28, 2004, a Fifth Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on May 23, 2005, which Fifth Restated Certificate of Incorporation was amended by a Certificate of Amendment filed with the Secretary of State of the State of Delaware on August 7, 2006, a Sixth Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on October 25, 2007, a Seventh Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on October 23, 2008, which Seventh Restated Certificate of Incorporation was amended by a Certificate of Amendment filed with the Secretary of State of the State of Delaware on May 18, 2009 and a Certificate of Amendment filed with the Secretary of State of the State of Delaware on June 7, 2010. A Eighth Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware On November 3, 2010, which Eighth Restated Certificate of Incorporation was amended by Certificates of Amendment filed with the Secretary of State of the State of Delaware on August 23, 2011 and February 28, 2012.

2. This Restated Certificate of Incorporation integrates, restates and further amends the Certificate of Incorporation of this Corporation by (i) amending the name of the Corporation and (ii) decreasing the Corporation's authorized shares and eliminating the preferred class of stock.

3. The text of the Certificate of Incorporation as amended or supplemented heretofore is further amended to read as herein set forth in full:

FIRST: The name of the Corporation is RESEARCH IN MOTION RF, INC. (the "Corporation").

SECOND: The address of the Corporation's registered office in the State of Delaware is 1209 Orange Street, in the City of Wilmington, County of New Castle 19801. The name of the registered agent at such address is The Corporation Trust Company.

THIRD: The purposes of the Corporation are to engage in any lawful act or activities for which corporations may be organized under the General Corporation Law of the State of Delaware.

FOURTH: The total number of shares of all classes of stock which the Corporation shall have authority to issue is 3,000 shares of the par value of \$.0001 each, all of which shall be common stock.

FIFTH: Election of directors need not be by written ballot unless the by-laws of the Corporation so provide or unless required by law.

SIXTH: The Corporation reserves the right to amend, alter, change or repeal any provision contained in this Certificate of Incorporation, in the manner now or hereafter prescribed by statute, and all rights conferred upon stockholders in this Certificate of Incorporation are granted subject to this reservation.

SEVENTH: To the extent permitted by the General Corporation Law of the State of Delaware (or any statute succeeding such law), as such law now exists or may hereafter be amended, no director of the Corporation shall be personally liable to the Corporation or its stockholders for monetary damages for any breach of fiduciary duty as a director occurring during the time this Paragraph SEVENTH is in effect.

EIGHTH: In furtherance and not in limitation of the powers conferred by statute, the board of directors is expressly authorized to adopt, amend or repeal the by-laws of the Corporation.

4. This Restated Certificate of Incorporation was duly adopted by unanimous written consent of the holders of the outstanding common stock in accordance with the applicable provisions of Section 228, 242 and 245 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affirmed it as true under penalties of perjury as of June 8, 2012.

**PARATEK MICROWAVE, INC. (now known as)
RESEARCH IN MOTION RF, INC.**

By: _____

Name: James Yerish

Title: Secretary

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