

## 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>Nigel Power LLC</td> <td>05/19/2009</td> </tr> </tbody> </table>		Name	Execution Date	Nigel Power LLC	05/19/2009						
Name	Execution Date										
Nigel Power LLC	05/19/2009										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>QUALCOMM Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>5775 Morehouse Drive</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121</td> </tr> </table>		Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121
Name:	QUALCOMM Incorporated										
Street Address:	5775 Morehouse Drive										
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State/Country:	CALIFORNIA										
Postal Code:	92121										
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>13717543</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13717543						
Property Type	Number										
Application Number:	13717543										
CORRESPONDENCE DATA											
Fax Number:	9497609502										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	Bruce S. Itchkawitz, Ph.D.										
Signature:	/Bruce S. Itchkawitz, Ph.D./										
Date:	07/25/2013										
<p>Total Attachments: 8          source=Nigel_Assignment#page1.tif</p>											

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## PATENT ASSIGNMENT

### TO WHOM IT MAY CONCERN:

For good and valuable consideration provided to us in hand paid, receipt and sufficiency of which is hereby acknowledged, be it known that Nigel Power LLC, a Delaware limited liability company having its principal place of business located at 11512 El Camino Real, Suite 100, San Diego, California 92130 ("Assignor"), has sold, conveyed, assigned and transferred and by these presents does hereby sell, convey, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a registered place of business located at 5775 Morehouse Drive, San Diego, California 92121, its successors, legal representatives and/or assigns ("Assignee"), the entire right, title and interest in and to: (i) the patents, provisional and non-provisional patent applications listed in Exhibit A attached hereto and all the inventions claimed in such patents and patent applications; (ii) any and all improvements that are disclosed in the patents and patent applications listed in Exhibit A, together with all pending applications and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; (iii) all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and (iv) all rights of priority resulting from the filing of said patents and patent applications (collectively, the "Patents").

Said sale, conveyance, assignment and transfer includes, without limitation, the rights to enforce, assert and sue for past, present and future infringement of the Patents, and the rights to recover and collect for past, present and future damages related to the Patents.

*[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]*

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be signed on its behalf on this 19<sup>th</sup> day of MAY, 2009.



(Signature)

Paul C. Christman, Jr.

Chief Financial Officer

STATE OF CALIFORNIA )

COUNTY OF San Diego )

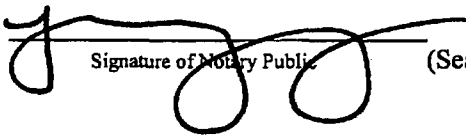
On May 19, 2009, before me, Jenny Nguyen

personally appeared Paul C. Christman, Jr. who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



  
Signature of Notary Public (Seal)

IN WITNESS WHEREOF, Assignee has caused this Patent Assignment to be signed on its behalf on this 19th day of MAY, 2009.

Paul Syrowik  
(Signature)

PAUL SYROWIK  
(Print or type name)

Senior Vice President  
(Print or type title)

STATE OF CALIFORNIA )  
COUNTY OF SAN DIEGO )

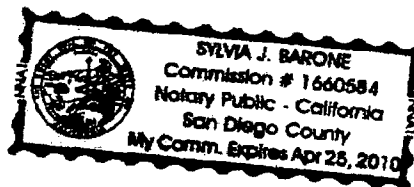
On MAY 17, 2009, before me, SYLVIA J. BARONE

personally appeared PAUL SYROWIK  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Sylvia J. Barone  
Signature of Notary Public (Seal)



**Exhibit A**

<b>FILING DATE</b>	<b>PATENT APPLICATION NUMBER</b>	<b>PATENT TITLE</b>	<b>JURISDICTION</b>
01/18/08	US60/760,064	Method and System for Charging an Electronic Device Via a Wireless Link	United States of America
03/02/07	US60/904,628	Wireless Power Apparatus and Methods	United States of America
06/11/07	US60/943,269	Wireless Power Apparatus and Methods	United States of America
08/09/07	US60/954,941	Increasing the Q Factor of a Resonator	United States of America
08/13/07	US60/955,598	Long Range Low Frequency Resonator	United States of America
09/13/07	US60/972,181	Micro Electro-Mechanical Systems (MEMS)	United States of America
09/13/07	US60/972,194	Wireless Powering and Charging Station	United States of America
09/17/07	US60/973,100	Non-Radiative Energy Transmission Via Field Coupling in the Near Field	United States of America
09/17/07	US60/973,166	System for Extended Range or Increased Power	United States of America
09/19/07	US60/973,711	Constraints Imposed By Field Strength Limits	United States of America
10/11/07	US60/979,381	Magneto-Mechanical Systems for Wireless Powering and Charging Systems and Applications	United States of America
11/16/07	US60/988,758	Wireless Power Bridge	United States of America
11/28/07	US60/990,908	Low Frequency Wireless Power and Charging System for Long Range Communication	United States of America
01/10/08	US61/020,363	Wireless Desktop IT Environment	United States of America
01/14/08	US61/021,001	Wireless Powering and Charging Station	United States of America
02/24/08	US61/030,987	Ferrite Antennas for Wireless Power Transfer	United States of America
02/27/08	US61/032,061	Antennas and Their Coupling Characteristics for Wireless Power Transfer Via Magnetic Coupling	United States of America
03/05/08	US61/034,116	Packaging of a Wireless Power Device	United States of America
03/10/08	US61/035,340	Wireless Power Desktop Demo System	United States of America
04/21/08	US61/046,757	Short Range Efficient Wireless Power Transfer	United States of America
06/05/08	US61/059,241	Antennas Based on Ferrimagnetic Materials/Ferrites	United States of America
07/08/08	US61/078,812	Wireless High Power Transfer Under Regulatory Constraints	United States of America
07/17/08	US61/081,719	Adaptive Matching and Tuning of HF Wireless Power Transmit Antenna	United States of America
07/28/08	US61/084,246	Wireless Powering & Charging	United States of America
08/19/08	US61/090,180	Wireless Desktop v3	United States of America
08/25/08	US61/091,684	Passive Diode Rectifier Receivers for Wireless Powering and Charging of Electronic Devices	United States of America
08/26/08	US61/092,022	Joint Integration of Wireless Power and RFID into Electronic Devices Using Dual Function Antenna	United States of America

FILING DATE	PATENT APPLICATION NUMBER	PATENT TITLE	JURISDICTION
09/02/08	US61/093,692	Bidirectional Wireless Energy Transfer	United States of America
09/08/08	US61/095,284	Integration of Wireless Charging Antennas into Mobile Devices	United States of America
09/17/08	US61/097,859	High Efficiency Techniques at High Frequency	United States of America
09/19/08	US61/098,742	Magnetic Power Using a Class E Amplifier	United States of America
10/09/08	US61/104,218	Dual Half Bridge Power Converter	United States of America
10/09/08	US61/104,225	Wireless Power Transfer via Coupled Resonant Structures	United States of America
11/13/08	US61/114,436	Value Adding Functions to Wireless Changing	United States of America
02/27/09	US61/155,914	Wireless Power in Evanescent Fields	United States of America
11/20/08	US61/116,808	Wireless Power Battery Replacement	United States of America
11/25/08	US61/117,937	Passive Diode Rectifier Receivers for Wireless Powering and Charging of Electronic Devices	United States of America
12/21/08	US61/139,611	Wireless Recharging of Toy Electric Vehicle Models	United States of America
01/24/09	US61/147,081	Wireless Power Electronic Circuit	United States of America
03/18/09	US61/161,291	Passive Diode Rectifier Receivers for Wireless Powering and Charging of Electronic Devices	United States of America
03/18/09	US61/161,306	Integration of Wireless Charging Into Mini Devices	United States of America
04/28/09	US61/173,569	Parasitic Cages	United States of America
05/04/09	US61/175,337	Passive Diode Rectifier Receivers for Wireless Powering with Inherent Load Adaptation	United States of America
04/21/06	US11/408,793	Method and System for Powering an Electronic Device Via a Wireless Link	United States of America
01/17/07	US11/654,883	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	United States of America
07/09/07	US11/775,168	Wireless Energy Transfer Using Coupled Antennas	United States of America
08/02/07	US11/833,178	Deployable Antennas for Wireless Power	United States of America
01/22/08	US12/018,069	Wireless Power Apparatus and Methods	United States of America
02/29/08	US12/040,783	Wireless Power Bridge	United States of America
03/28/08	US12/058,624	Tuning and Gain Control in Electro-Magnetic Power Systems	United States of America
05/05/08	US12/115,478	Wireless Delivery of Power to a Fixed-Geometry Power Part	United States of America
05/28/08	US12/128,572	Wireless Delivery of Power to a Mobile Powered Device	United States of America
06/10/08	US12/136,764	Wireless Power Systems and Proximity Effects	United States of America
08/11/08	US12/189,433	Increasing the Q Factor of a Resonator	United States of America

FILING DATE	PATENT APPLICATION NUMBER	PATENT TITLE	JURISDICTION
08/11/08	US12/189,720	Long Range Low Frequency Resonator	United States of America
09/14/08	US12/210,200	Maximizing Power Yield From Wireless Power Magnetic Resonators	United States of America
09/14/08	US12/210,201	Antennas for Wireless Power Applications	United States of America
09/16/08	US12/211,706	Transmitters and Receivers for Wireless Energy Transfer	United States of America
09/16/08	US12/211,750	High Efficiency and Power Transfer in Wireless Power Magnetic Resonators	United States of America
09/18/08	US12/233,441	Biological Effects of Magnetic Power Transfer (Amended)	United States of America
10/13/08	US12/250,015	Wireless Power Transfer Using Magneto-Mechanical Systems	United States of America
11/25/08	US12/323,479	Wireless Power Range Increase Using Parasitic Antennas	United States of America
01/11/09	US12/351,845	Wireless Desktop IT Environment	United States of America
01/14/09	US12/353,851	Wireless Powering and Charging Station	United States of America
02/23/09	US12/391,054	Ferrite Antennas for Wireless Power Transfer	United States of America
02/26/09	US12/394,033	Antennas and Their Coupling Characteristics for Wireless Power Transfer Via Magnetic Coupling	United States of America
03/04/09	US12/398,179	Packaging of a Wireless Power Device	United States of America
03/09/09	US12/400,703	Wireless Power Desktop with Current Based Control	United States of America
04/21/09	US12/427,318	Short Range Efficient Wireless Power Transfer	United States of America
01/18/07	PCT/US2007/001527	Method and System for Powering an Electronic Device Via a Wireless Link	PCT
01/18/07	PCT/US2007/001529	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	PCT
03/03/08	PCT/US2008/55600	Wireless Power Apparatus and Methods	PCT
07/09/08	PCT/US2008/69468	Wireless Energy Transfer Using Coupled Antennas	PCT
08/04/08	PCT/US2008/72095	Deployable Antennas for Wireless Power	PCT
08/11/08	PCT/US2008/09572	Increasing the Q Factor of a Resonator	PCT
08/11/08	PCT/US2008/72827	Long Range Low Frequency Resonator	PCT
09/14/08	PCT/US2008/76334	Maximizing Power Yield From Wireless Power Magnetic Resonators	PCT
09/14/08	PCT/US2008/76335	Antennas for Wireless Power Applications	PCT
09/16/08	PCT/US2008/76554	Transmitters and Receivers for Wireless Energy Transfer	PCT
09/16/08	PCT/US2008/76559	High Efficiency and Power Transfer in Wireless Power Magnetic Resonators	PCT
09/18/08	PCT/US2008/76899	Biological Effects of Magnetic Power Transfer (Amended)	PCT



FILING DATE	PATENT APPLICATION NUMBER	PATENT TITLE	JURISDICTION
10/13/08	PCTUS/2008/79681	Wireless Power Transfer using Magneto-Mechanical Systems	PCT
11/17/08	PCTUS/2008/83723	Wireless Power Bridge	PCT
11/25/08	PCTUS/2008/84767	Wireless Power Range Increase Using Parasitic Antennas	PCT
03/04/09	PCTUS/2009/036090	Packaging of a Wireless Power Device	PCT
04/21/09	PCTUS/2009/41234	Short Range Efficient Wireless Power Transfer	PCT
05/04/09	PCTUS/2009/42737	Wireless Delivery of Power to a Fixed-Geometry Power Part	PCT
07/18/08	2,636,035	Method and System for Powering an Electronic Device Via a Wireless Link	Canada
07/18/08	2,637,842	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	Canada
07/17/08	192900	Method and System for Powering an Electronic Device Via a Wireless Link	Israel
07/13/08	192780	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	Israel
07/17/08	2008-551432	Method and System for Powering an Electronic Device Via a Wireless Link	Japan
07/16/08	2008-551433	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	Japan
07/24/08	1575/MUMNP/2008	Method and System for Powering an Electronic Device Via a Wireless Link	India
07/23/08	1565/MUMNP/2008	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	India
07/29/08	07716843.3	Method and System for Powering an Electronic Device Via a Wireless Link	Europe
07/31/08	07716845.8	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	Europe
08/18/08	10-2008-7020147	Method and System for Powering an Electronic Device Via a Wireless Link	Korea
08/18/08	10-2008-7020143	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	Korea
09/10/08	CN200780008636.9 <sup>i</sup>	Method and System for Powering an Electronic Device Via a Wireless Link	China
09/10/08	CN200780005317.2	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	China
To Be Filed <sup>ii</sup>	Unknown	Method and System for Powering an Electronic Device Via a Wireless Link	Hong Kong

<sup>i</sup> Based upon International Patent Application No. PCT/US2007/001527.

<sup>ii</sup> Application may be filed in Hong Kong only after Chinese application number CN200780008636.9 is restored and publishes.

FILING DATE	PATENT APPLICATION NUMBER	PATENT TITLE	JURISDICTION
05/07/09	Unknown <sup>iii</sup>	Method and Apparatus for Delivering Energy to an Electrical or Electronic Device Via a Wireless Link	Hong Kong

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<sup>iii</sup> Based upon International Patent Application No. PCT/US2007/001529.