

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Raymond S. Stits</td><td>09/01/2009</td></tr> <tr><td>Desiree D. Brake</td><td>08/24/2009</td></tr> <tr><td>Gregory T. Bullard</td><td>08/28/2009</td></tr> <tr><td>Jason C. Thomas</td><td>08/27/2009</td></tr> <tr><td>Christopher J. Pruetting</td><td>09/01/2009</td></tr> <tr><td>Diane M. Winchell</td><td>09/02/2009</td></tr> <tr><td>Albert S. Ludwin</td><td>09/02/2009</td></tr> </tbody> </table>		Name	Execution Date	Raymond S. Stits	09/01/2009	Desiree D. Brake	08/24/2009	Gregory T. Bullard	08/28/2009	Jason C. Thomas	08/27/2009	Christopher J. Pruetting	09/01/2009	Diane M. Winchell	09/02/2009	Albert S. Ludwin	09/02/2009
Name	Execution Date																
Raymond S. Stits	09/01/2009																
Desiree D. Brake	08/24/2009																
Gregory T. Bullard	08/28/2009																
Jason C. Thomas	08/27/2009																
Christopher J. Pruetting	09/01/2009																
Diane M. Winchell	09/02/2009																
Albert S. Ludwin	09/02/2009																
RECEIVING PARTY DATA																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <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>92121-1714</td></tr> </table>		Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121-1714						
Name:	QUALCOMM Incorporated																
Street Address:	5775 Morehouse Drive																
City:	San Diego																
State/Country:	CALIFORNIA																
Postal Code:	92121-1714																
PROPERTY NUMBERS Total: 1																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12555172</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12555172												
Property Type	Number																
Application Number:	12555172																
CORRESPONDENCE DATA																	
<p>Fax Number: (858)658-2502 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (858) 651-5205 Email: patent.docketing.us@qualcomm.com Correspondent Name: QUALCOMM Incorporated Address Line 1: 5775 Morehouse Drive Address Line 4: San Diego, CALIFORNIA 92121-1714</p>																	
ATTORNEY DOCKET NUMBER:	081639																

CH \$40.00 12555172

500957228

PATENT
REEL: 023204 FRAME: 0887

NAME OF SUBMITTER:

Marvin Jefferson

Total Attachments: 15

source=081639_ASST#page1.tif
source=081639_ASST#page2.tif
source=081639_ASST#page3.tif
source=081639_ASST#page4.tif
source=081639_ASST#page5.tif
source=081639_ASST#page6.tif
source=081639_ASST#page7.tif
source=081639_ASST#page8.tif
source=081639_ASST#page9.tif
source=081639_ASST#page10.tif
source=081639_ASST#page11.tif
source=081639_ASST#page12.tif
source=081639_ASST#page13.tif
source=081639_ASST#page14.tif
source=081639_ASST#page15.tif

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We,

1. Raymond S. Stits, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Carlsbad, California, United States of America,
2. Desiree D. Brake, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Poway, California, United States of America,
3. Gregory T. Bullard, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of La Mesa, California, United States of America,
4. Jason C. Thomas, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Carlsbad, California, United States of America,
5. Christopher J. Pruetting, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and

ASSIGNMENT

a resident of Poway, California, United States of America,

6. Diane M. Winchell, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

7. Albert S. Ludwin, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

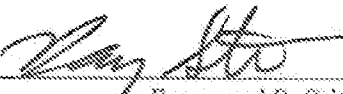
have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **SENSOR IN BATTERY** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **September 8, 2009**, and assigned Serial No. **12/555,172**, (and we hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the filing date and serial number in the space provided when known), including Provisional Application Number **61/223,308**, filed on **July 6, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors,

ASSIGNMENT

assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 1 day of Sept, 2009.



Raymond S. Stits

Done at San Diego, California this _____ day of _____, 2009.

Desiree D. Brake

Done at San Diego, California this _____ day of _____, 2009.

Gregory T. Bullard

Done at San Diego, California this _____ day of _____, 2009.

Jason C. Thomas

Done at San Diego, California this 1 day of Sept, 2009.



Christopher J. Pruetting

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We,

1. Raymond S. Stits, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Carlsbad, California, United States of America,
2. Desiree D. Brake, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Poway, California, United States of America,
3. Gregory T. Bullard, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of La Mesa, California, United States of America,
4. Jason C. Thomas, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Carlsbad, California, United States of America,
5. Christopher J. Pruetting, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and

ASSIGNMENT

a resident of Poway, California, United States of America,

6. Diane M. Winchell, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

7. Albert S. Ludwin, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **SENSOR IN BATTERY** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **September 8, 2009**, and assigned Serial No. 12/555,172, (and we hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the filing date and serial number in the space provided when known), including Provisional Application Number 61/223,308, filed on **July 6, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors,

ASSIGNMENT

assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this _____ day of _____, 2009.

Raymond S. Stits

Done at San Diego, California this 24 day of August 2009.

D. Brake
Desiree D. Brake

Done at San Diego, California this _____ day of _____, 2009.

Gregory T. Bullard

Done at San Diego, California this _____ day of _____, 2009.

Jason C. Thomas

Done at San Diego, California this _____ day of _____, 2009.

Christopher J. Pruetting

ASSIGNMENT

Done at San Diego, California this _____ day of _____, 2009.

Diane M. Winchell

Done at San Diego, California this _____ day of _____, 2009.

Albert S. Ludwin

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We,

1. Raymond S. Stits, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Carlsbad, California, United States of America,
2. Desiree D. Brake, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Poway, California, United States of America,
3. Gregory T. Bullard, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of La Mesa, California, United States of America,
4. Jason C. Thomas, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Carlsbad, California, United States of America,
5. Christopher J. Pruetting, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and

ASSIGNMENT

a resident of Poway, California, United States of America,

6. Diane M. Winchell, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

7. Albert S. Ludwin, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **SENSOR IN BATTERY** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **September 8, 2009**, and assigned Serial No. **12/555,172**, (and we hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the filing date and serial number in the space provided when known), including Provisional Application Number **61/223,308**, filed on **July 6, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors,

ASSIGNMENT

assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this _____ day of _____, 2009.

Raymond S. Stits

Done at San Diego, California this _____ day of _____, 2009.

Desiree D. Brake

Done at San Diego, California this 28 day of August, 2009.

Gregory T. Bullard
Gregory T. Bullard

Done at San Diego, California this _____ day of _____, 2009.

Jason C. Thomas

Done at San Diego, California this _____ day of _____, 2009.

Christopher J. Pruetting

ASSIGNMENT

Done at San Diego, California this _____ day of _____, 2009.

Diane M. Winchell

Done at San Diego, California this _____ day of _____, 2009.

Albert S. Ludwin

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We,

1. Raymond S. Stits, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Carlsbad, California, United States of America,
2. Desiree D. Brake, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Poway, California, United States of America,
3. Gregory T. Bullard, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of La Mesa, California, United States of America,
4. Jason C. Thomas, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Carlsbad, California, United States of America,
5. Christopher J. Pruetting, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and

ASSIGNMENT

a resident of Poway, California, United States of America,

6. Diane M. Winchell, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

7. Albert S. Ludwin, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **SENSOR IN BATTERY** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **September 8, 2009**, and assigned Serial No. **12/555,172**, (and we hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the filing date and serial number in the space provided when known), including Provisional Application Number **61/223,308**, filed on **July 6, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors,

ASSIGNMENT

assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this _____ day of _____, 2009.

Raymond S. Stits

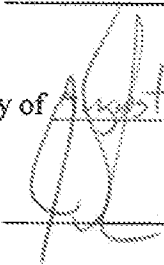
Done at San Diego, California this _____ day of _____, 2009.

Desiree D. Brake

Done at San Diego, California this _____ day of _____, 2009.

Gregory T. Bullard

Done at San Diego, California this 27 day of August, 2009.




Jason C. Thomas

Done at San Diego, California this _____ day of _____, 2009.

Christopher J. Pruetting

ASSIGNMENT

Done at San Diego, California this 2 day of Sept, 2009.


Diane M. Winchell

Done at San Diego, California this 2 day of Sept, 2009.


Albert S. Ludwin