

PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Marc A Ische</td><td>05/27/2009</td></tr><tr><td>Ahmad Hatami</td><td>05/28/2009</td></tr><tr><td>Ardalan Heshmati</td><td>08/18/2010</td></tr><tr><td>Zoltan F Biacs</td><td>05/26/2009</td></tr><tr><td>Douglas Neal Rowitch</td><td>05/21/2009</td></tr><tr><td>Dominic Gerard Farmer</td><td>05/27/2009</td></tr><tr><td>SriGouri Kamarsu</td><td>05/22/2009</td></tr><tr><td>Jie Wu</td><td>06/03/2009</td></tr></tbody></table>		Name	Execution Date	Marc A Ische	05/27/2009	Ahmad Hatami	05/28/2009	Ardalan Heshmati	08/18/2010	Zoltan F Biacs	05/26/2009	Douglas Neal Rowitch	05/21/2009	Dominic Gerard Farmer	05/27/2009	SriGouri Kamarsu	05/22/2009	Jie Wu	06/03/2009
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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>Internal Address:</td><td>Patent Department/Central Administration</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	Internal Address:	Patent Department/Central Administration	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121						
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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>12792678</td></tr></tbody></table>		Property Type	Number	Application Number:	12792678														
Property Type	Number																		
Application Number:	12792678																		
CORRESPONDENCE DATA																			
Fax Number: (858)658-2502 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone: 858-845-4265																			
Email: patent.docketing.us@qualcomm.com																			
Correspondent Name: QUALCOMM INCORPORATED																			
Address Line 1: 5775 MOREHOUSE DR.																			
Address Line 4: SAN DIEGO, CALIFORNIA 92121																			

CH \$40.00 12792678

501269781

PATENT  
REEL: 024873 FRAME: 0705

ATTORNEY DOCKET NUMBER:	081454
NAME OF SUBMITTER:	Thomas W. Coyne
<p>Total Attachments: 15</p> <p>source=081454_2009_08_23_assign#page1.tif</p> <p>source=081454_2009_08_23_assign#page2.tif</p> <p>source=081454_2009_08_23_assign#page3.tif</p> <p>source=081454_2009_08_23_assign#page4.tif</p> <p>source=081454_2009_08_23_assign#page5.tif</p> <p>source=081454_2009_08_23_assign#page6.tif</p> <p>source=081454_2009_08_23_assign#page7.tif</p> <p>source=081454_2009_08_23_assign#page8.tif</p> <p>source=081454_2009_08_23_assign#page9.tif</p> <p>source=081454_2009_08_23_assign#page10.tif</p> <p>source=081454_2009_08_23_assign#page11.tif</p> <p>source=081454_2009_08_23_assign#page12.tif</p> <p>source=081454_2009_08_23_assign#page13.tif</p> <p>source=081454_2009_08_23_assign#page14.tif</p> <p>source=081454_2009_08_23_assign#page15.tif</p>	

## 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/I,

1. Marc A. Ische, a citizen of the United States, having a mailing address of 5775 Morehouse Drive San Diego, CA 92121; and a resident of San Diego, CA.
2. Ahmad Hatami, a citizen of the United States, having a mailing address of 5775 Morehouse Drive San Diego, CA 92121; and a resident of San Jose, CA.
3. Ardalan Heshmati, a citizen of the United States, having a mailing address of 14811 Vickery Avenue Saratoga, CA 95070, USA; and a resident of Saratoga, CA.
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8. Jie Wu, a citizen of China, having a mailing address of 5775 Morehouse Drive San Diego, CA 92121; and a resident of San Diego, CA.

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

### ASSIGNMENT

assigns, the entire right, title and interest in and to a certain invention relating to **ON DEMAND POSITIONING** by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on ~~the~~ <sup>12/17/92, #12</sup>, and assigned Serial No. <sup>12/17/92, #12</sup>, including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof, and all divisions, 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 I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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, 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 5:23 this 27 day of May, 2009.

  
\_\_\_\_\_  
Marc A. Ische

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Ahmad Hatami

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Ardalan Heshmati

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Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Zoltan F. Biacs**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Douglas Neal Rowitch**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Dominic Gerard Farmer**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**SriGouri Kamarsu**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Jie Wu**

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### ASSIGNMENT

assigns, the entire right, title and interest in and to a certain invention relating to **ON DEMAND POSITIONING** by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on <sup>06/01/2008</sup> ~~06/01/2008~~, and assigned Serial No. <sup>12/712,678</sup> ~~12/712,678~~, including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof, and all divisions, 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 I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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, 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 \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Marc A. Ische

Done at Santa Clara this 28 day of Mar, 2009.

A. HATAMI  
Ahmad Hatami

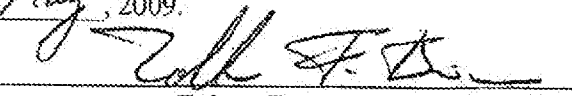
Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Ardalan Heshmati

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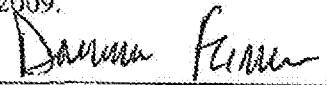
Done at Santa Clara this 26<sup>th</sup> day of May, 2009.

  
Zoltan F. Biacs

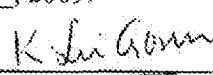
Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Douglas Neal Rowitch

Done at Santa Clara this 27<sup>th</sup> day of May, 2009.

  
Dominic Gerard Farmer

Done at Santa Clara this 22 day of May, 2009.

  
SriGouri Kamarsu

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Jie Wu



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assigns, the entire right, title and interest in and to a certain invention relating to **ON DEMAND POSITIONING** by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **June 02, 2010**, and assigned Serial No. **12/792,678**, including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof, and all divisions, 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 I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

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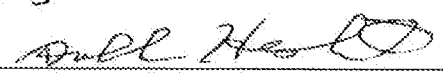
Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Marc Ische**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Ahmad Hatami**

Done at 10:00 PM this 18th day of August, <sup>2010</sup>2009.

  
\_\_\_\_\_  
**Ardalan Heshmati**

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Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Zoltan F. Biacs**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Douglas Neal Rowitch**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Dominic Gerard Farmer**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**SriGouri Kamarsu**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Jie Wu**

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Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Marc A. Ische**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Ahmad Hatami**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

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**Ardalan Heshmati**


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Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Zoltan F. Biacs**

Done at Honolulu this 21<sup>st</sup> day of May, 2009.

  
\_\_\_\_\_  
**Douglas Neal Rowitch**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Dominic Gerard Farmer**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**SriGouri Kamarsu**

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**Marc A. Ische**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

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**Ahmad Hatami**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

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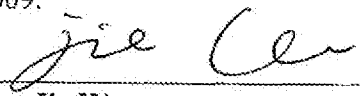
Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**Dominic Gerard Farmer**

Done at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
**SriGouri Kamarsu**

Done at San Diego this 3rd day of June, 2009.

  
\_\_\_\_\_  
**Jie Wu**