

## 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>Osok Song</td> <td>05/14/2009</td> </tr> <tr> <td>Masato Kitazoe</td> <td>05/21/2009</td> </tr> <tr> <td>Oronzo Flore</td> <td>05/19/2009</td> </tr> <tr> <td>Anjali Mishra</td> <td>05/15/2009</td> </tr> <tr> <td>Francesco Grilli</td> <td>05/13/2009</td> </tr> </tbody> </table>		Name	Execution Date	Osok Song	05/14/2009	Masato Kitazoe	05/21/2009	Oronzo Flore	05/19/2009	Anjali Mishra	05/15/2009	Francesco Grilli	05/13/2009
Name	Execution Date												
Osok Song	05/14/2009												
Masato Kitazoe	05/21/2009												
Oronzo Flore	05/19/2009												
Anjali Mishra	05/15/2009												
Francesco Grilli	05/13/2009												
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												
City:	San Diego												
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>13970135</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13970135								
Property Type	Number												
Application Number:	13970135												
CORRESPONDENCE DATA													
<p>Fax Number: 8586582502  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 858-845-2505        Email: us-docketing@qualcomm.com        Correspondent Name: QUALCOMM INCORPORATED        Address Line 1: 5775 MOREHOUSE DR.        Address Line 4: SAN DIEGO, CALIFORNIA 92121</p>													
ATTORNEY DOCKET NUMBER:	081165C1												
NAME OF SUBMITTER:	Christine Molla												
Signature:	/Christine Molla/												

CH \$40.00 13970135

Date:

08/19/2013

**Total Attachments: 15**

source=081165C1-Assignment-8-19-13#page1.tif  
source=081165C1-Assignment-8-19-13#page2.tif  
source=081165C1-Assignment-8-19-13#page3.tif  
source=081165C1-Assignment-8-19-13#page4.tif  
source=081165C1-Assignment-8-19-13#page5.tif  
source=081165C1-Assignment-8-19-13#page6.tif  
source=081165C1-Assignment-8-19-13#page7.tif  
source=081165C1-Assignment-8-19-13#page8.tif  
source=081165C1-Assignment-8-19-13#page9.tif  
source=081165C1-Assignment-8-19-13#page10.tif  
source=081165C1-Assignment-8-19-13#page11.tif  
source=081165C1-Assignment-8-19-13#page12.tif  
source=081165C1-Assignment-8-19-13#page13.tif  
source=081165C1-Assignment-8-19-13#page14.tif  
source=081165C1-Assignment-8-19-13#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,

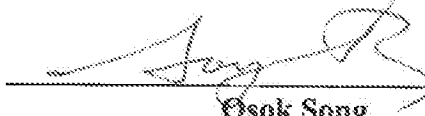
1. **Osok Song**, a citizen of South Korea, having a place of residence at 7890 Via Montebello #6, San Diego, California 92129;
2. **Masato Kitazoe**, a citizen of Japan, having a place of residence at 2-60-7 Kamiyugi Hachiouji-shi, Tokyo, Japan 192 0373;
3. **Oronzo Flore**, a citizen of Italy, having a place of residence at Piazza Ugo La Malfa, 37, Ostuni, 72017 Italy;
4. **Anjali Jha**, a citizen of India, having a place of residence at 415 Stoney Point Way, #104, Oceanside, California 92054; and
5. **Francesco Grilli**, a citizen of The United States of America, having a place of residence at 5311 Calumet Avenue, La Jolla, California 92037;

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 **METHOD OF NETWORK MANAGEMENT BY ASSISTANCE FROM TERMINAL USING CONTROL-PLANE SIGNALING BETWEEN TERMINAL AND NETWORK** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **March 13, 2009**, and assigned Application Number **12/403,925** (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, without limitation, all provisional patent applications, including Provisional Application Number **61/037,443** filed on **March 18, 2008**, and **61/109,024** filed **October 28, 2008**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisions, and continuations 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, 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 14 day of May, 2009.

  
\_\_\_\_\_  
Osok Song

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

\_\_\_\_\_  
Masato Kitazoe

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

\_\_\_\_\_  
Oronzo Flore

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.

\_\_\_\_\_  
Anjali Jha

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Francesco Grilli

## 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. **Osok Song**, a citizen of South Korea, having a place of residence at 7890 Via Montebello #6, San Diego, California 92129;
2. **Masato Kitazoe**, a citizen of Japan, having a place of residence at 2-60-7 Kamiyugi Hachiouji-shi, Tokyo, Japan 192 0373;
3. **Orenzo Flore**, a citizen of Italy, having a place of residence at Piazza Ugo La Malfa, 37, Ostuni, 72017 Italy;
4. **Aunjali Jha**, a citizen of India, having a place of residence at 415 Stoney Point Way, #104, Oceanside, California 92054; and
5. **Francesco Grilli**, a citizen of The United States of America, having a place of residence at 5311 Calumet Avenue, La Jolla, California 92037;

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 **METHOD OF NETWORK MANAGEMENT BY ASSISTANCE FROM TERMINAL USING CONTROL-PLANE SIGNALING BETWEEN TERMINAL AND NETWORK** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **March 13, 2009**, and assigned Application Number **12/403,925** (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, without limitation, all provisional patent applications, including Provisional Application Number 61/037,443 filed on March 18, 2008, and 61/109,024 filed October 28, 2008, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisions, and continuations 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, 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.

Osok Song

Done at Tokyo, Japan this 21st day of May, 2009.

*M. Kitagawa*  
Masatoshi Kitagawa

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

Oronzo Fiore

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.

---

Anjali Jha

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

---

Francesco Grilli



## 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. Osok Song, a citizen of South Korea, having a place of residence at 7890 Via Montebello #6, San Diego, California 92129;
2. Masato Kitazoe, a citizen of Japan, having a place of residence at 2-60-7 Kamiyugi Hachioji-shi, Tokyo, Japan 192 0373;
3. Oronzo Flere, a citizen of Italy, having a place of residence at Piazza Ugo La Malfa, 37, Ostuni, 72017 Italy;
4. Anjali Mishra, a citizen of The United States of America, having a place of residence at 404 Encinitas Blvd, #457, Encinitas, California 92024; and
5. Francesco Grilli, a citizen of The United States of America, having a place of residence at 5311 Calumet Avenue, La Jolla, California 92037;

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 METHOD OF NETWORK MANAGEMENT BY ASSISTANCE FROM TERMINAL USING CONTROL-PLANE SIGNALING BETWEEN TERMINAL AND NETWORK by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on March 13, 2009, and assigned Application Number 12/403,925 (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, without limitation, all provisional patent applications, including Provisional Application Number 61/037,443 filed on March 18, 2008, and 61/109,024 filed October 28, 2008, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisions, and continuations 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, 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.

\_\_\_\_\_  
Osok Song

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

\_\_\_\_\_  
Masato Kitazoe

Done at Ostuni, Italy this 19 day of May, 2009.

  
\_\_\_\_\_  
Oronzo Flore

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.

\_\_\_\_\_  
Anjali Mishra

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Francesco Grilli

## 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. **Osok Song**, a citizen of South Korea, having a place of residence at 7890 Via Montebello #6, San Diego, California 92129;
2. **Masato Kitazoe**, a citizen of Japan, having a place of residence at 2-60-7 Kamiyugi Hachiouji-shi, Tokyo, Japan 192 0373;
3. **Oronzo Flore**, a citizen of Italy, having a place of residence at Piazza Ugo La Malfa, 37, Ostuni, 72017 Italy;
4. **Anjali Mishra**, a citizen of The United States of America, having a place of residence at 404 Encinitas Blvd, #457, Encinitas, California 92024; and
5. **Francesco Grilli**, a citizen of The United States of America, having a place of residence at 5311 Calumet Avenue, La Jolla, California 92037;

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 **METHOD OF NETWORK MANAGEMENT BY ASSISTANCE FROM TERMINAL USING CONTROL-PLANE SIGNALING BETWEEN TERMINAL AND NETWORK** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **March 13, 2009**, and assigned Application Number **12/403,925** (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, without limitation, all provisional patent applications, including Provisional Application Number 61/037,443 filed on March 18, 2008, and 61/109,024 filed October 28, 2008, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisions, and continuations 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, 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.

\_\_\_\_\_  
**Osok Song**

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

\_\_\_\_\_  
**Masato Kitazoe**

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

\_\_\_\_\_  
**Oronzo Flore**

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 15 day of May, 2009.

*Anjali Mishra*

\_\_\_\_\_  
Anjali Mishra

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Francesco Grilli

## 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. **Osok Song**, a citizen of South Korea, having a place of residence at 7890 Via Montebello #6, San Diego, California 92129;
2. **Masato Kitazoe**, a citizen of Japan, having a place of residence at 2-60-7 Kamiyugi Hachiouji-shi, Tokyo, Japan 192 0373;
3. **Oronzo Flore**, a citizen of Italy, having a place of residence at Piazza Ugo La Malfa, 37, Ostuni, 72017 Italy;
4. **Anjali Jha**, a citizen of India, having a place of residence at 415 Stoney Point Way, #104, Oceanside, California 92054; and
5. **Francesco Grilli**, a citizen of The United States of America, having a place of residence at ~~5311 Calumet Avenue~~ <sup>8626 NOTTINGHAM PL</sup>, La Jolla, California 92037;

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 **METHOD OF NETWORK MANAGEMENT BY ASSISTANCE FROM TERMINAL USING CONTROL-PLANE SIGNALING BETWEEN TERMINAL AND NETWORK** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **March 13, 2009**, and assigned Application Number **12/403,925** (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, without limitation, all provisional patent applications, including Provisional Application Number 61/037,443 filed on March 18, 2008, and 61/109,024 filed October 28, 2008, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisions, and continuations 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, 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.

\_\_\_\_\_  
**Osok Song**

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

\_\_\_\_\_  
**Masato Kitazoe**

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

\_\_\_\_\_  
**Oronzo Flore**

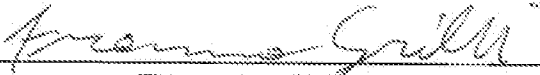


The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Anjali Jha

Done at San Diego, California this 13 day of MAY, 2009.

  
\_\_\_\_\_  
Francesco Grilli