

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2677650

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ONE INVENTOR NAME, THOMAS ZENG, WAS MISPELLED IN ASSIGNMENT AS "THOMAS TZENG." previously recorded on Reel 031207 Frame 0964. Assignor(s) hereby confirms the INVENTORS SOLD, ASSIGNED, CONVEYED, AND TRANSFERRED TO QUALCOMM INCORPORATED U.S. APP.NO. 14/014,288 FILED AUGUST 29, 2013..										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>AZZEDINE TOUZNI</td> <td>01/07/2014</td> </tr> <tr> <td>THOMAS ZENG</td> <td>01/03/2014</td> </tr> </tbody> </table>		Name	Execution Date	AZZEDINE TOUZNI	01/07/2014	THOMAS ZENG	01/03/2014				
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AZZEDINE TOUZNI	01/07/2014										
THOMAS ZENG	01/03/2014										
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
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Street Address:	5775 MOREHOUSE DRIVE										
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PROPERTY NUMBERS Total: 1											
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Application Number:	14014288										
CORRESPONDENCE DATA											
Fax Number:	(770)804-0900										
Phone:	678-361-4915										
Email:	swigmore@srtslaw.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	SMITH RISLEY TEMPEL SANTOS LLC										
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Address Line 2:	SUITE 700										
Address Line 4:	ATLANTA, GEORGIA 30346										
ATTORNEY DOCKET NUMBER:	17006.0197U1 (132525)										

NAME OF SUBMITTER:	STEVEN P. WIGMORE, REG. NO. 40,447
Signature:	/SPW/
Date:	01/12/2014
<b>Total Attachments: 5</b> source=132525_17006_0197U1_Assignment_AS_FILED_JAN_12_2014#page1.tif source=132525_17006_0197U1_Assignment_AS_FILED_JAN_12_2014#page2.tif source=132525_17006_0197U1_Assignment_AS_FILED_JAN_12_2014#page3.tif source=132525 17006.0197U1 EPAS Receipt as filed Sep 14 2013#page1.tif source=132525 17006.0197U1 EPAS Receipt as filed Sep 14 2013#page2.tif	



Electronic Patent Assignment System

# Confirmation Receipt

Your assignment has been received by the USPTO.  
The coversheet of the assignment is displayed below:

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>AZZEDINE TOUZNI</td> <td>09/03/2013</td> </tr> <tr> <td>THOMAS TZENG</td> <td>09/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	AZZEDINE TOUZNI	09/03/2013	THOMAS TZENG	09/11/2013
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THOMAS TZENG	09/11/2013						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	QUALCOMM INCORPORATED						
<b>Street Address:</b>	5775 Morehouse Drive						
<b>City:</b>	SAN DIEGO						
<b>State/Country:</b>	CALIFORNIA						
<b>Postal Code:</b>	92121						
<b>PROPERTY NUMBERS Total: 1</b>							
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**Fax Number:** 7708040900  
**Phone:** 678-361-4915  
**Email:** swigmore@srtslaw.com  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*  
**Correspondent Name:** SMITH RISLEY TEMPEL SANTOS LLC  
**Address Line 1:** Two Ravinia Drive  
**Address Line 2:** Suite 700  
**Address Line 4:** ATLANTA, GEORGIA 30346

<b>ATTORNEY DOCKET NUMBER:</b>	17006.0197U1 (132525)
<b>NAME OF SUBMITTER:</b>	STEVEN P. WIGMORE, REG. NO. 40,447
<b>Signature:</b>	/SPW/
<b>Date:</b>	09/14/2013
<b>Total Attachments: 3</b> source=132525_17006_0197U1_Assignment_as_Filed_Sept_14_2013#page1.tif source=132525_17006_0197U1_Assignment_as_Filed_Sept_14_2013#page2.tif source=132525_17006_0197U1_Assignment_as_Filed_Sept_14_2013#page3.tif	
<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT2540220
<b>Receipt Date:</b>	09/14/2013
<b>Fee Amount:</b>	\$40

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**ASSIGNMENT**

WHEREAS, WE,

1. **AZZEDINE TOUZNI**, a citizen of France, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California,
2. **THOMAS ZENG**, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California,

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to **DISTRIBUTED DYNAMIC MEMORY MANAGEMENT UNIT (MMU)-BASED SECURE INTER-PROCESSOR COMMUNICATION** (collectively the **"INVENTIONS"**) for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, **QUALCOMM** Incorporated (hereinafter **"ASSIGNEE"**), a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A., desires to acquire or otherwise obtain the entire right, title, and interest in and to said **INVENTIONS**, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto **ASSIGNEE**, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said **INVENTIONS**, including all patent applications therefor that may have been filed or may be filed hereafter for said **INVENTIONS** in the United States, including but not limited to U.S. Application No(s). 14/014,288 filed August 29, 2013, Qualcomm Reference No. 132525, and all provisional applications relating thereto, (and do hereby authorize **ASSIGNEE** and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto **ASSIGNEE**, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said **INVENTIONS**, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said **INVENTIONS**

in any foreign country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at San Diego, on 1/7/2014  
LOCATION DATE

  
\_\_\_\_\_  
AZZEDINE TOUZNI

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE

\_\_\_\_\_  
THOMAS ZENG

in any foreign country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

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AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE AZZEDINE TOUZNI

Done at San Diego, on Jan 3 2014  
LOCATION DATE THOMAS ZENG