

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5054169

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SPELLING OF THE RECEIVING PARTY DATA previously recorded on Reel 045306 Frame 0162. Assignor(s) hereby confirms the CORRECT SPELLING SHOULD BE "QUALCOMM INCORPORATED".												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>GIRIDHAR D. MANDYAM</td><td>04/06/2009</td></tr><tr><td>LALITHA SURYANARAYANA</td><td>04/03/2009</td></tr><tr><td>CHRISTOPHE G. BERNARD</td><td>04/03/2009</td></tr><tr><td>KEVIN E. HUNTER</td><td>04/03/2009</td></tr><tr><td>NOAM RAFFAELLI</td><td>05/26/2009</td></tr></tbody></table>	Name	Execution Date	GIRIDHAR D. MANDYAM	04/06/2009	LALITHA SURYANARAYANA	04/03/2009	CHRISTOPHE G. BERNARD	04/03/2009	KEVIN E. HUNTER	04/03/2009	NOAM RAFFAELLI	05/26/2009	
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LALITHA SURYANARAYANA	04/03/2009												
CHRISTOPHE G. BERNARD	04/03/2009												
KEVIN E. HUNTER	04/03/2009												
NOAM RAFFAELLI	05/26/2009												
RECEIVING PARTY DATA													
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>14714609</td></tr></tbody></table>	Property Type	Number	Application Number:	14714609									
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Application Number:	14714609												
CORRESPONDENCE DATA													
Fax Number:													
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>													
Email:	meo.docket@mg-ip.com												
Correspondent Name:	MUNCY, GEISSLER, OLDS & LOWE, P.C./QC												
Address Line 1:	4000 LEGATO ROAD, SUITE 310												
Address Line 4:	FAIRFAX, VIRGINIA 22033												
ATTORNEY DOCKET NUMBER:	QC081068U3D1												
NAME OF SUBMITTER:	SAMANTHA PITTENGER												
SIGNATURE:	/Samantha Pittenger/												
DATE SIGNED:	07/17/2018												
Total Attachments: 9													

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4877401

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GIRIDHAR D MANDYAM	04/06/2009
LALITHA SURYANARAYANA	04/03/2009
CHRISTOPHE G BERNARD	04/03/2009
KEVIN E HUNTER	04/03/2009
NOAM RAFFAELLI	05/26/2009
RECEIVING PARTY DATA	
Name:	QUALCOMM INCORPORATED QUALCOMM INCORPORATED
Street Address:	5775 MOREHOUSE DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14714609
CORRESPONDENCE DATA	
Fax Number:	(858)658-2502
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	8586517644
Email:	fevianm@qualcomm.com
Correspondent Name:	QUALCOMM INCORPORATED
Address Line 1:	5775 MOREHOUSE DRIVE
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	081068U3D1
NAME OF SUBMITTER:	FEVIAN M MIANO
SIGNATURE:	/e/FEVIAN M MIANO
DATE SIGNED:	03/21/2018
Total Attachments: 7	
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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. Giridhar D. MANDYAM, a citizen of the United States of America, having a place of residence at 13687 Sparren Avenue, San Diego, California, 92129;
2. Lalitha SURYANARAYANA, a citizen of the United States of America, having a place of residence at 5282 Birch Hill Point, San Diego, California, 92130;
3. Christophe G. BERNARD, a citizen of the United States of America, having a place of residence at 3366 Moraga Place, San Diego, California, 92117;
4. Kevin E. HUNTER, a citizen of the United States of America, having a place of residence at 2109 Caminito Del Barco, Del Mar, California, 92014; and
5. Noam RAFFAELLI, a citizen of France, having a place of residence at 10 Beechen Groove, Pinner, Middlesex, HA5 3AH, United Kingdom;

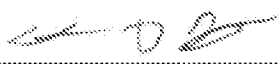
have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to "APPARATUS AND METHODS FOR WIDGET-RELATED MEMORY MANAGEMENT" by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on March 19, 2009, and assigned Serial No. 12/407,567, including Provisional Application No. 61/039,402, filed on March 25, 2008; and including all original and reissue patents granted thereof (in the United States and any foreign county), and all divisions,

ASSIGNMENT

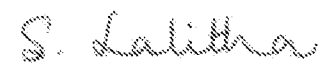
and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to 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 San Diego, California this 6 day of April, 2009.


Giridhar D. MANDYAM

Done at San Diego, California this 03 day of April, 2009.


Lalitha SURYANARAYANA

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

Christophe G. BERNARD

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

Kevin E. HUNTER

Done at London, England this _____ day of _____, 2009.

Noam RAFFAELLI

ASSIGNMENT

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

Giridhar D. MANDYAM

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

Lalitha SURYANARAYANA

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



Christophe G. BERNARD

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

Kevin E. HUNTER

Done at London, England this _____ day of _____, 2009.

Noam RAFFAELLI

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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 **"APPARATUS AND METHODS FOR WIDGET-RELATED MEMORY MANAGEMENT"** by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on March 19, 2009, and assigned Serial No. 12/407,567, including Provisional Application No. 61/039,402, filed on March 25, 2008; and including all original and reissue patents granted thereof (in the United States and any foreign county), and all divisions,

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

Giridhar D. MANDYAM

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

Lalitha SURYANARAYANA

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

Christophe G. BERNARD

Done at San Diego, California this 3 day of April, 2009.

Kevin E. HUNTER

Done at London, England this _____ day of _____, 2009.

Noam RAFFAELLI

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

Giridhar D. MANDYAM

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

Lalitha
SURYANARAYANA

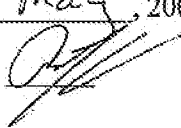
Done at San Diego, California this _____ day of _____, 2009.

Christophe G. BERNARD

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

Kevin E. HUNTER

Done at London, England this 26 day of May, 2009.


Noam RAFFAELLI