

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>Hemanth Sampath</td> <td>04/09/2013</td> </tr> <tr> <td>Santosh Paul Abraham</td> <td>01/24/2013</td> </tr> <tr> <td>Simone Merlin</td> <td>03/07/2013</td> </tr> <tr> <td>Saurabh R. Tavildar</td> <td>01/23/2013</td> </tr> <tr> <td>Junyi Li</td> <td>01/23/2013</td> </tr> <tr> <td>Nilesh N. Khude</td> <td>01/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	Hemanth Sampath	04/09/2013	Santosh Paul Abraham	01/24/2013	Simone Merlin	03/07/2013	Saurabh R. Tavildar	01/23/2013	Junyi Li	01/23/2013	Nilesh N. Khude	01/23/2013
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Junyi Li	01/23/2013														
Nilesh N. Khude	01/23/2013														
RECEIVING PARTY DATA															
Name:	QUALCOMM Incorporated														
Street Address:	5775 Morehouse Drive														
Internal Address:	Patent Department/Central Administration														
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>13706792</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13706792										
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Application Number:	13706792														
CORRESPONDENCE DATA															
Fax Number:	8586582502														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	858-845-4265														
Email:	us-docketing@qualcomm.com														
Correspondent Name:	QUALCOMM INCORPORATED														
Address Line 1:	5775 MOREHOUSE DR.														
Address Line 4:	SAN DIEGO, CALIFORNIA 92121														
ATTORNEY DOCKET NUMBER:	113401U1														

NAME OF SUBMITTER:	Gina Golia
Signature:	/Gina Golia/
Date:	04/24/2013
<p>Total Attachments: 12</p> <p>source=113401U1_2013-04-24_ASST#page1.tif</p> <p>source=113401U1_2013-04-24_ASST#page2.tif</p> <p>source=113401U1_2013-04-24_ASST#page3.tif</p> <p>source=113401U1_2013-04-24_ASST#page4.tif</p> <p>source=113401U1_2013-04-24_ASST#page5.tif</p> <p>source=113401U1_2013-04-24_ASST#page6.tif</p> <p>source=113401U1_2013-04-24_ASST#page7.tif</p> <p>source=113401U1_2013-04-24_ASST#page8.tif</p> <p>source=113401U1_2013-04-24_ASST#page9.tif</p> <p>source=113401U1_2013-04-24_ASST#page10.tif</p> <p>source=113401U1_2013-04-24_ASST#page11.tif</p> <p>source=113401U1_2013-04-24_ASST#page12.tif</p>	

ASSIGNMENT

WHEREAS, WE,

1. **Hemanth Sampath**, a citizen of the **United States of America**, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, US; and a resident of **San Diego, California**;
2. **Santosh Paul Abraham**, a citizen of the **United States of America**, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, US; and a resident of **San Diego, California**;
3. **Simone Merlin**, a citizen of **Italy**, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, US; and a resident of **San Diego, California**;
4. **Saurabh R. Tavildar**, a citizen of **India**, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, US; and a resident of **Jersey City, New Jersey**;
5. **Junyi Li**, a citizen of the **United States of America**, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, US, and a resident of **Chester, New Jersey**;
6. **Nilesh N. Khude**, a citizen of **India**, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, US, and a resident of **Bridgewater, New Jersey**;

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 **SYSTEMS AND METHODS FOR TRANSMITTING AND RECEIVING DISCOVERY AND PAGING MESSAGES** (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). **13/706,792** filed **December 6th, 2012** Qualcomm Reference No. **113401U1** and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **61/570,704**, filed **December 14th, 2011**, Qualcomm Reference No. **113401P1**, 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 represent that WE have full and exclusive, unencumbered right to sell, assign, convey and transfer all subject matter herein, and hereby covenant that WE have not and will not execute any writing or do any act whatsoever conflicting with these presents.

Done at San Diego, California on 04/09/13 _____
LOCATION DATE **Hemanth Sampath**

Done at San Diego, California on _____
LOCATION DATE **Santosh Paul Abraham**

Done at San Diego, California on _____
LOCATION DATE **Simone Merlin**

Done at Bridgewater, New Jersey on _____
LOCATION DATE **Saurabh R. Tavildar**

Done at Bridgewater, New Jersey on _____
LOCATION DATE **Junyi Li**

Done at Bridgewater, New Jersey on _____
LOCATION DATE **Nilesh N. Khude**

ASSIGNMENT

WHEREAS, WE,

1. **Hemanth Sampath**, a citizen of the **United States of America**, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, US; and a resident of **San Diego, California**;
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6. **Nilesh N. Khude**, a citizen of **India**, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, US, and a resident of **Bridgewater, New Jersey**;

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 **SYSTEMS AND METHODS FOR TRANSMITTING AND RECEIVING DISCOVERY AND PAGING MESSAGES** (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). **13/706,792** filed **December 6th, 2012** Qualcomm Reference No. **113401UI** and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **61/570,704**, filed **December 14th, 2011**, Qualcomm Reference No. **113401P1**, 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 represent that WE have full and exclusive, unencumbered right to sell, assign, convey and transfer all subject matter herein, and hereby covenant that WE have not and will not execute any writing or do any act whatsoever conflicting with these presents.

Done at <u>San Diego, California</u> on _____	_____
LOCATION	DATE
_____	Hemanth Sampath
Done at <u>San Diego, California</u> on <u>1/24/2013</u>	<u></u>
LOCATION	DATE
_____	Santosh Paul Abraham
Done at <u>San Diego, California</u> on _____	_____
LOCATION	DATE
_____	Simone Merlin
Done at <u>Bridgewater, New Jersey</u> on _____	_____
LOCATION	DATE
_____	Saurabh R. Tavildar
Done at <u>Bridgewater, New Jersey</u> on _____	_____
LOCATION	DATE
_____	Junyi Li
Done at <u>Bridgewater, New Jersey</u> on _____	_____
LOCATION	DATE
_____	Nilesh N. Khude

ASSIGNMENT

WHEREAS, WE,

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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). **13/706,792** filed **December 6th, 2012** Qualcomm Reference No. **113401U1** and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **61/570,704**, filed **December 14th, 2011**, Qualcomm Reference No. **113401P1**, 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;

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AND WE HEREBY represent that WE have full and exclusive, unencumbered right to sell, assign, convey and transfer all subject matter herein, and hereby covenant that WE have not and will not execute any writing or do any act whatsoever conflicting with these presents.

Done at San Diego, California on _____
LOCATION DATE Hemanth Sampath

Done at San Diego, California on _____
LOCATION DATE Santosh Paul Abraham

Done at San Diego, California on 3/7/13
LOCATION DATE *Simone Merlin*
Simone Merlin

Done at Bridgewater, New Jersey on _____
LOCATION DATE Saurabh R. Tavildar

Done at Bridgewater, New Jersey on _____
LOCATION DATE Junyi Li

Done at Bridgewater, New Jersey on _____
LOCATION DATE Nilesh N. Khude

ASSIGNMENT

WHEREAS, WE,

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including but not limited to U.S. Application No(s). **13/706,792** filed **December 6th, 2012** Qualcomm Reference No. **113401U1** and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **61/570,704**, filed **December 14th, 2011**, Qualcomm Reference No. **113401P1**, 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;

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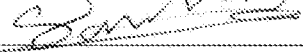
AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, 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;

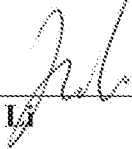
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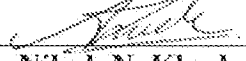
Done at San Diego, California on _____
LOCATION DATE **Hemanth Sampath**

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