

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>Masakazu Shirota</td> <td>06/08/2010</td> </tr> <tr> <td>Jun Wang</td> <td>06/03/2010</td> </tr> <tr> <td>George Cherian</td> <td>06/21/2010</td> </tr> <tr> <td>Nathan Edward Tenny</td> <td>06/08/2010</td> </tr> </tbody> </table>		Name	Execution Date	Masakazu Shirota	06/08/2010	Jun Wang	06/03/2010	George Cherian	06/21/2010	Nathan Edward Tenny	06/08/2010
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Masakazu Shirota	06/08/2010										
Jun Wang	06/03/2010										
George Cherian	06/21/2010										
Nathan Edward Tenny	06/08/2010										
RECEIVING PARTY DATA											
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>12821279</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12821279						
Property Type	Number										
Application Number:	12821279										
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:	us-docketing@qualcomm.com										
Correspondent Name:	QUALCOMM INCORPORATED										
Address Line 1:	5775 MOREHOUSE DR.										
Address Line 4:	SAN DIEGO, CALIFORNIA 92121										
ATTORNEY DOCKET NUMBER:	092618										
NAME OF SUBMITTER:	Darren M. Simon										

Total Attachments: 12
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**PATENT
 REEL: 024582 FRAME: 0491**

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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. **Masakazu Shiota**, a citizen of **Japan**, having a mailing address of 2-20-7, Ookurayama, Kohoku-Ku, Yakohama-Shi, Kanagawa, Japan 222-00037; and a resident of **Kanagawa, Japan**,
2. **Jun Wang**, a citizen of **The United States of America**, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of **La Jolla, CA**,
3. **George Cherian**, a citizen of **The United States of America**, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of **San Diego, CA**,
and
4. **Nathan Edward Tenny**, a citizen of **The United States of America**, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of **Poway, 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 assigns, the entire right, title and interest in and to a certain invention relating to **Resource Release At Source System During Handoff to Multi-Radio Access Technology Target**

ASSIGNMENT

System by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on on Isis/Qualcomm, and assigned Serial No. 12/821,279, (and I 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 **61/220,126**, filed on **06/24/2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, 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 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 **Tokyo, Japan** this 8 day of June, 2010.



Masakazu Shirota

Done at **San Diego, CA** this _____ day of _____, 2010.

ASSIGNMENT

Jun Wang

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, CA** this ____ day of _____, 2010.

George Cherian

Done at **San Diego, CA** this ____ day of _____, 2010.

Nathan Edward Tenny

ASSIGNMENT

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ASSIGNMENT

No. 12/621,279, (and I 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 **61/220,126**, filed on **06/24/2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, 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 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 **Tokyo, Japan** this _____ day of _____, 2010.

Masakazu Shiota

Done at **San Diego, CA** this 3 day of June, 2010.



Jun Wang

ASSIGNMENT

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, CA** this ____ day of _____, 2010.

George Cherian

Done at **San Diego, CA** this ____ day of _____, 2010.

Nathan Edward Tenny

ASSIGNMENT

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ASSIGNMENT

No. 12/621,271, (and I 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 **61/220,126**, filed on **06/24/2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, 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 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.

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Done at **Tokyo, Japan** this ____ day of _____, 2010.

Masakazu Shirota

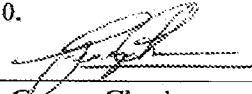
Done at **San Diego, CA** this ____ day of _____, 2010.

Jun Wang

ASSIGNMENT

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, CA** this 21st day of June, 2010.



George Cherian

Done at **San Diego, CA** this _____ day of _____, 2010.

Nathan Edward Tenny

ASSIGNMENT

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No. 12/421,279, (and I 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 **61/220,126**, filed on **06/24/2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, 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 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.

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Done at **Tokyo, Japan** this _____ day of _____, 2010.

Masakazu Shirota

Done at **San Diego, CA** this _____ day of _____, 2010.

Jun Wang

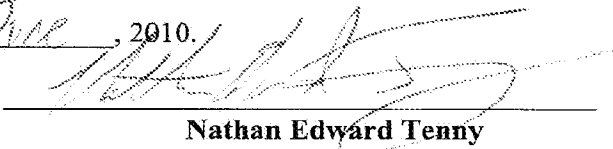
ASSIGNMENT

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, CA** this _____ day of _____, 2010.

George Cherian

Done at **San Diego, CA** this 8th day of June, 2010.



Nathan Edward Tenny