

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>Maarten Menzo Wentink</td> <td>12/21/2012</td> </tr> <tr> <td>Simone Merlin</td> <td>01/12/2013</td> </tr> <tr> <td>Alfred Asterjadhi</td> <td>12/24/2012</td> </tr> <tr> <td>Zhi Quan</td> <td>12/20/2012</td> </tr> <tr> <td>Santosh Paul Abraham</td> <td>12/20/2012</td> </tr> <tr> <td>Amin Jafarian</td> <td>01/24/2013</td> </tr> </tbody> </table>		Name	Execution Date	Maarten Menzo Wentink	12/21/2012	Simone Merlin	01/12/2013	Alfred Asterjadhi	12/24/2012	Zhi Quan	12/20/2012	Santosh Paul Abraham	12/20/2012	Amin Jafarian	01/24/2013
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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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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>13672545</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13672545										
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Application Number:	13672545														
CORRESPONDENCE DATA															
Fax Number:	8586582502														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	858-658-4351														
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:	120795														
NAME OF SUBMITTER:	Shae Penturf														

CH \$40.00 13672545

Total Attachments: 18

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ASSIGNMENT

WHEREAS, WE,

1. Maarten Menzo Wentink, a citizen of The Netherlands, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121 and a resident of Breukelen, The Netherlands,
2. Simone Merlin, a citizen of Italy, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121 and a resident of San Diego, CA,
3. Alfred Asterjadhi, a citizen of Albania, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121 and a resident of Utrecht, The Netherlands,
4. Zhi Quan, a citizen of China, having a mailing address located at 6582 Willowview Ct. Livermore, CA 94551 and a resident of Livermore, CA,
5. Santosh Paul Abraham, 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, CA,
6. Amin Jafarian, a citizen of Iran, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121 and a resident of San Diego, CA,

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 **SYSTEM AND METHOD OF COMMUNICATION USING DISTRIBUTED CHANNEL ACCESS PARAMETERS** (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). 13/672,545 filed November 8, 2012, Qualcomm Reference No. 120795, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/584,698, filed January 3, 2012, Qualcomm

Reference No. 120795P1, U.S. Provisional Application No(s). 61/585,810, filed January 12, 2012, Qualcomm Reference No. 120795P2, U.S. Provisional Application No(s). 61/636,382, filed April 20, 2012, Qualcomm Reference No. 120795P3, U.S. Provisional Application No(s). 61/661,326, filed June 18, 2012, Qualcomm Reference No. 120795P4, U.S. Provisional Application No(s). 61/670,575, filed July 11, 2012, Qualcomm Reference No. 120795P5, (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;

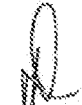
AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, 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 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 Berkeley, on 21-12-12
LOCATION DATE

Maarten Menzo Wentink

Done at _____, on _____
LOCATION DATE
Simone Merlin

Done at _____, on _____
LOCATION DATE
Alfred Asterjadhi

Done at _____, on _____
LOCATION DATE
Zhi Quan

Done at _____, on _____
LOCATION DATE
Santosh Paul Abraham

Done at _____, on _____
LOCATION DATE
Amin Jafarian

ASSIGNMENT

WHEREAS, WE,

1. **Maarten Menzo Wentink**, a citizen of **The Netherlands**, having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121** and a resident of **Breukelen, The Netherlands**,
2. **Simone Merlin**, a citizen of **Italy**, having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121** and a resident of **San Diego, CA**,
3. **Alfred Asterjadhi**, a citizen of **Albania**, having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121** and a resident of **Utrecht, The Netherlands**,
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6. **Amin Jafarian**, a citizen of **Iran**, having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121** and a resident of **San Diego, CA**,

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 **SYSTEM AND METHOD OF COMMUNICATION USING DISTRIBUTED CHANNEL ACCESS PARAMETERS** (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). **13/672,545** filed **November 8, 2012**, Qualcomm Reference No. **120795**, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **61/584,698**, filed **January 9, 2012**, Qualcomm

Reference No. **120795P1**, U.S. Provisional Application No(s). **61/585,810**, filed **January 12, 2012**, Qualcomm Reference No. **120795P2**, U.S. Provisional Application No(s). **61/636,382**, filed **April 20, 2012**, Qualcomm Reference No. **120795P3**, U.S. Provisional Application No(s). **61/661,326**, filed **June 18, 2012**, Qualcomm Reference No. **120795P4**, U.S. Provisional Application No(s). **61/670,575**, filed **July 11, 2012**, Qualcomm Reference No. **120795P5**, (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;

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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). 13/672,545 filed November 8, 2012, Qualcomm Reference No. 120795, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/584,698, Filed January 9, 2012. Qualcomm

Reference No. 120795P1, U.S. Provisional Application No(s). 61/585,810, filed January 12, 2012, Qualcomm Reference No. 120795P2, U.S. Provisional Application No(s). 61/636,382, filed April 20, 2012, Qualcomm Reference No. 120795P3, U.S. Provisional Application No(s). 61/661,326, filed June 18, 2012, Qualcomm Reference No. 120795P4, U.S. Provisional Application No(s). 61/670,575, filed July 11, 2012, Qualcomm Reference No. 120795P5, (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;

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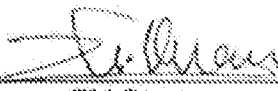
AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates,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

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 _____, on _____
LOCATION DATE Maarten Menzo Wentink

Done at _____, on _____
LOCATION DATE Simone Merlin

Done at _____, on _____
LOCATION DATE Alfred Asterjadhi

Done at CA, on 12/20/12
LOCATION DATE 
Zhi Quan

Done at _____, on _____
LOCATION DATE Santosh Paul Abraham

Done at _____, on _____
LOCATION DATE Amin Jafarian

ASSIGNMENT

WHEREAS, WE,

1. **Maarten Menzo Wentink**, a citizen of **The Netherlands**, having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121** and a resident of **Breukelen, The Netherlands**,
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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 **SYSTEM AND METHOD OF COMMUNICATION USING DISTRIBUTED CHANNEL ACCESS PARAMETERS** (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). 13/672,545 filed November 8, 2012, Qualcomm Reference No. 120795, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/584,698, filed January 9, 2012, Qualcomm

Reference No. 120795P1, U.S. Provisional Application No(s). 61/585,810, filed January 12, 2012, Qualcomm Reference No. 120795P2, U.S. Provisional Application No(s). 61/636,382, filed April 20, 2012, Qualcomm Reference No. 120795P3, U.S. Provisional Application No(s). 61/661,326, filed June 18, 2012, Qualcomm Reference No. 120795P4, U.S. Provisional Application No(s). 61/670,575, filed July 11, 2012, Qualcomm Reference No. 120795P5, (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;

ASSIGNMENT

WHEREAS, WE,

1. **Maarten Menzo Wentink**, a citizen of **The Netherlands**, having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121** and a resident of **Breukelen, The Netherlands**,
2. **Simone Merlin**, a citizen of **Italy**, having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121** and a resident of **San Diego, CA**,
3. **Alfred Asterjadhi**, a citizen of **Albania**, having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121** and a resident of **Utrecht, The Netherlands**,
4. **Zhi Quan**, a citizen of **China**, having a mailing address located at **6582 Willowview Ct. Livermore, CA 94551** and a resident of **Livermore, CA**,
5. **Santosh Paul Abraham**, 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, CA**,
6. **Amin Jafarian**, a citizen of **Iran**, having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121** and a resident of **San Diego, CA**,

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 **SYSTEM AND METHOD OF COMMUNICATION USING DISTRIBUTED CHANNEL ACCESS PARAMETERS** (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). **13/672,545** filed **November 8, 2012**, Qualcomm Reference No. **120795**, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **61/584,698**, filed **January 9, 2012**, Qualcomm

Reference No. **120795P1**, U.S. Provisional Application No(s). **61/585,810**, filed **January 12, 2012**, Qualcomm Reference No. **120795P2**, U.S. Provisional Application No(s). **61/636,382**, filed **April 20, 2012**, Qualcomm Reference No. **120795P3**, U.S. Provisional Application No(s). **61/661,326**, filed **June 18, 2012**, Qualcomm Reference No. **120795P4**, U.S. Provisional Application No(s). **61/670,575**, filed **July 11, 2012**, Qualcomm Reference No. **120795P5**, (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;

