

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL G. LUBY	11/03/2010
MOHAMMAD AMIN SHOKROLLAHI	11/08/2010
LORENZ CHIRSTOPH MINDER	11/03/2010
RECEIVING PARTY DATA	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15221476
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>	
Email:	us-docketing@qualcomm.com
Correspondent Name:	QUALCOMM INCORPORATED
Address Line 1:	5775 MOREHOUSE DRIVE
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	092830B2C2
NAME OF SUBMITTER:	LISA NODARSE
SIGNATURE:	/Lisa Nodarse/
DATE SIGNED:	12/09/2016
Total Attachments: 4	
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source=092830B2C2_Assignment#page4.tif	

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. **Michael G. Luby**, a citizen of the **United States of America** having a mailing address of 3195 Kifer Road, Santa Clara, CA, 95051, US; and a resident of **Berekeley, California**
2. **Mohammad Amin Shokrollahi**, a citizen of the **United States of America**, having a mailing address of Chemin du Cygne 1, 1028 Preverenges, Switzerland and a resident of **Preverenges, Switzerland** and
3. **Lorenz Christoph Minder**, a citizen of **Canada**, having a mailing address of 3195 Kifer Road, Santa Clara, CA, 95051, US; and a resident of **Palo Alto, California**


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 **METHODS AND APPARATUS EMPLOYING FEC CODES WITH PERMANENT INACTIVATION OF SYMBOLS FOR ENCODING AND DECODING PROCESSES** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **August 18th, 2010**, and assigned Serial No. **12/859,161**, which is a Continuation –in-Part of Non-Provisional Application Number **12/604,773**, filed on **October 23rd, 2009** and Provisional Application Number **61/353,910**, filed on **June 11th, 2010**, and Provisional Application Number **61/257,146** filed on **November 2nd, 2009** and Provisional Application Number **61/235,285**, filed on **August 19, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and

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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 Santa Clara, California this 3 day of November, 2010.

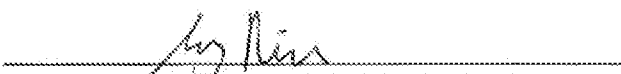


Michael G. Luby

Done at Prevernges, Switzerland this _____ day of _____, 2010.

Mohammad Amin Shokrollahi

Done at Santa Clara, California this 3rd day of Nov, 2010.



Lorenz Christoph Minder

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. **Michael G. Luby**, a citizen of the **United States of America** having a mailing address of 3195 Kifer Road, Santa Clara, CA, 95051, US; and a resident of **Berekeley, California**
2. **Mohammad Amin Shokrollahi**, a citizen of the **United States of America**, having a mailing address of Chemin du Cygne 1, 1028 Preverenges, Switzerland and a resident of **Preverenges, Switzerland** and
3. **Lorenz Christoph Minder**, a citizen of **Canada**, having a mailing address of 3195 Kifer Road, Santa Clara, CA, 95051, US; and a resident of **Palo Alto, California**

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 **METHODS AND APPARATUS EMPLOYING FEC CODES WITH PERMANENT INACTIVATION OF SYMBOLS FOR ENCODING AND DECODING PROCESSES** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **August 18th, 2010**, and assigned Serial No. **12/859,161**, which is a Continuation --in-Part of Non-Provisional Application Number **12/604,773**, filed on **October 23rd, 2009** and Provisional Application Number **61/353,910**, filed on **June 11th, 2010**, and Provisional Application Number **61/257,146** filed on **November 2nd, 2009** and Provisional Application Number **61/235,285**, filed on **August 19, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and

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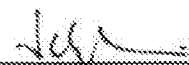
continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts 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 **Santa Clara, California** this _____ day of _____, 2010.

Michael G. Luby

Done at **Prevernges, Switzerland** this 8 day of Nov., 2010.



Mohammad Amin Shokrollahi

Done at **Santa Clara, California** this _____ day of _____, 2010.

Lorenz Christoph Minder