PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jun HU	03/19/2013
Rashid Ahmed Akbar ATTAR	05/10/2013
Donna GHOSH	06/11/2013
Christopher Gerard LOTT	07/23/2013
Linhai HE	06/04/2013

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

Property Type	Number
Application Number:	13777762

CORRESPONDENCE DATA

Fax Number: 8586582502

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (858) 651-5205

Email: us-docketing@qualcomm.com
Correspondent Name: QUALCOMM Incorporated
Address Line 1: 5775 Morehouse Drive

Address Line 4: San Diego, CALIFORNIA 92121-1714

Signature:	/Michelle Sanfilippo/	PATENT
NAME OF SUBMITTER:	Michelle Sanfilippo	
ATTORNEY DOCKET NUMBER:	130180	

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Date:	07/30/2013		
Total Attachments: 15			
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WHEREAS, WE,

- 1. Jun HU, a citizen of China, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121 and a resident of San Diego, California,
- 2. Rashid Ahmed Akbar ATTAR, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121 and a resident of San Diego, California,
- 3. **Donna GHOSH**, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121 and a resident of San Diego, California,
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- 5. Linhai HE, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121 and a resident of San Diego, California,

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 **DEVICES AND METHODS FOR FACILITATING DISCONTINUOUS TRANSMISSION ON ACCESS TERMINALS** (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). 13/777,762 filed February 26, 2013, Qualcomm Reference No. 130180, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/712,773, filed October 11, 2012, Qualcomm Reference No. 130180P1, (and do hereby authorize ASSIGNEE and its representative to

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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.

PATENT QUALCOMM Ref. No. 130180 Page 3 of 3

Done at	Som Diego, CA USA OI LOCATION	n 3/19/2013	
	LOCÁTION	DATE	Jún HU
Done at _	LOCATION , OI	DATE	Rashid Ahmed Akbar ATTAR
Done at _	LOCATION	DATE	Donna GHOSH
Done at	LOCATION , oi	DATE	Christopher Gerard LOTT
Done at _	LOCATION , OI	1	Linhai HF

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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.

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PATENT QUALCOMM Ref, No. 130180 Page 3 of 3

Done at		, on		
_	LOCATION		DATE	Jun HU
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	LOCATION	v	DATE	Nashiu Alineu Akbai AliAN
Done at		_, on		
	LOCATION		DATE	Donna GHOSH
Dama at		A.18		
Done at	LOCATION	_, on	DATE	Christopher Gerard LOTT
Done at		, on		
	LOCATION		DATE	Linhai HF

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QUALCOMM Ref. No. 130180 Page 3 of 3

Done at _	, on		
	LOCATION	DATE	Jun HU
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	LOCATION	DATE	Rashid Ahmed Akbar ATTAR
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	LOCATION	DATE	Donna GHOSH
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	LOCATION	DATE	Christopher Gerard LOTT
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Done at _	LOCATION , on	DATE	T. 1 . T.
	LUCATION	DATE	Linhai HF

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QUALCOMM Ref. No. 130180

Page 3 of 3

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LOCAT		DATE	Jun HU
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LOCAT	TION	DATE	Rashid Ahmed Akbar ATTAR
Done at	, on		
Done atLOCAT	TION	DATE	Donna GHOSH
Done at <u>Sam Dog</u>	<u>, CA</u> , on _	7/23/13	Christopher Gerard LOTT
LOCAT	ÍON	DATE	Christopher Gerard LOTT
Done at	, on		
LOCAT	TION	DATE	Linhai HE

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isono at	LOCATION , or	DATE	Donna GHOSH
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	LOCATION	DATE	Christopher Gerard LOTT
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Done at	LOCATION	DATE	Linhai HE

PATENT REEL: 030902 FRAME: 0667

RECORDED: 07/30/2013