503030163 10/22/2014 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3076763

		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY DA	TA	· · ·		
		Name	Execution Date	
MARK MOEGLEIN			09/21/2004	
DOUGLAS ROWITCH			10/04/2004	
WYATT RILEY			10/07/2004	
JIM DELOACH			10/07/2004	
LEONID SHEYNBLAT			09/22/2004	
RECEIVING PARTY DAT	А			
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		Number		
		14505095		
Application Number:				
Application Number:				
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be	ATA (sent to	(858)658-2502 t he e-mail address first; if that is u		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p	ATA (sent to rovided	(858)658-2502 the e-mail address first; if that is u ; if that is unsuccessful, it will be s		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if por Phone:	ATA sent to rovided	(858)658-2502 the e-mail address first; if that is u ; if that is unsuccessful, it will be s 858-845-4265		
Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email:	ATA sent to rovided	(858)658-2502 <i>the e-mail address first; if that is u</i> <i>; if that is unsuccessful, it will be s</i> 858-845-4265 us-docketing@qualcomm.com		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name:	ATA sent to rovided	(858)658-2502 <i>the e-mail address first; if that is u</i> <i>; if that is unsuccessful, it will be s</i> 858-845-4265 us-docketing@qualcomm.com QUALCOMM INCORPORATED		
Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email:	ATA sent to rovided	(858)658-2502 <i>the e-mail address first; if that is u</i> <i>; if that is unsuccessful, it will be s</i> 858-845-4265 us-docketing@qualcomm.com		
Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	ATA sent to rovided	(858)658-2502 <i>the e-mail address first; if that is u</i> <i>; if that is unsuccessful, it will be s</i> 858-845-4265 us-docketing@qualcomm.com QUALCOMM INCORPORATED 5775 MOREHOUSE DR.		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if pa Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	ATA sent to rovided	(858)658-2502 the e-mail address first; if that is used if that is unsuccessful, it will be so 858-845-4265 us-docketing@qualcomm.com QUALCOMM INCORPORATED 5775 MOREHOUSE DR. SAN DIEGO, CALIFORNIA 92121		
Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUM	ATA sent to rovided	(858)658-2502 the e-mail address first; if that is u ; if that is unsuccessful, it will be s 858-845-4265 us-docketing@qualcomm.com QUALCOMM INCORPORATED 5775 MOREHOUSE DR. SAN DIEGO, CALIFORNIA 92121 030207C1D1		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if parts Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUM	ATA sent to rovided	(858)658-2502 the e-mail address first; if that is u if that is unsuccessful, it will be s 858-845-4265 us-docketing@qualcomm.com QUALCOMM INCORPORATED 5775 MOREHOUSE DR. SAN DIEGO, CALIFORNIA 92121 030207C1D1 JOSEPH SALAZAR		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if parts Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUM NAME OF SUBMITTER: BIGNATURE:	ATA sent to rovided	(858)658-2502 the e-mail address first; if that is u ; if that is unsuccessful, it will be s 858-845-4265 us-docketing@qualcomm.com QUALCOMM INCORPORATED 5775 MOREHOUSE DR. SAN DIEGO, CALIFORNIA 92121 030207C1D1 JOSEPH SALAZAR /JOSEPH SALAZAR/		

503030163

PATENT REEL: 034009 FRAME: 0191

source=030207_Assignment#page2.tif
source=030207_Assignment#page3.tif
source=030207_Assignment#page4.tif
source=030207_Assignment#page5.tif
source=030207_Assignment#page6.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 **Mark Moeglein**, a citizen of the United States of America having a place of residence at 144 Sunnyview Street, Ashland OR 97520, **Douglas Rowitch**, a citizen of the United States of America having a place of residence at 2009 De Mayo Road, Del Mar, CA 92014, **Wyatt Riley**, a citizen of the United States of America having a place of residence at 525 Susan Drive, King of Prussia, PA 19406, **Jim DeLoach**, a citizen of the United States of America having a place of residence at 1666 Kitchener Drive, Sunnyvale, CA 94087, and **Leonid Sheynblat**, a citizen of the United States of America having a place of residence at 110 Reservoir Road, Hillsborough, CA 94010; 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 whole right, title and interest in and to a certain invention relating to:

METHOD AND APPARATUS FOR WIRELESS NETWORK HYBRID POSITIONING

by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on JUNE 25, 2004, including, without limitation, all provisional patent applications, including Serial No. 60/483,094, filed June 27, 2003, and all original and reissue patents granted thereof, and all divisions, and continuations 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

1

ATTORNEY DOCKET NO. 030207

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 Campbell, California this 25th day of Sedenbe 2004.

mai

Mark Moeglein

Done at San Diego, California this _____ day of _____, 2004.

Douglas Rowitch

Done at Campbell, California this _____ day of _____, 2004.

Wyatt Riley

Done at Campbell, California this _____ day of _____, 2004.

Jim Deloach

Done at Campbell, California this _____ day of _____, 2004.

Leonid Sheynblat

PATENT REEL: 034009 FRAME! 0194

2

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 Campbell, California this _____ day of _____, 2004.

Mark Moeglein

Done at San Diego, California this OV day of OCT, 2004.

Douglas Rowitch

Done at Campbell, California this _____ day of _____, 2004.

Wyatt Riley

Done at Campbell, California this _____ day of _____, 2004.

Jim Deloach

Done at Campbell, California this _____ day of _____, 2004.

Leonid Sheynblat

[Assignment/Multiple With Application]

PATENT REEL: 034009 FRAME: 0195 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 Campbell, California this _____ day of _____, 2004.

Mark Moeglein

Done at San Diego, California this _____ day of _____, 2004.

Douglas Rowitch

Done at King of Prussia, Pennsylvania this 7th day of October, 2004.

Wystt 1. fly Wystt Riley

Done at Campbell, California this _____ day of _____, 2004.

Jim Deloach

Done at Campbell, California this _____ day of _____, 2004.

Leonid Sheynblat

ŝ

÷.,

,**`**

2

ATTORNEY DOCKET NO. 030207

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 Campbell, California this _____ day of _____, 2004.

Mark Moeglein

Done at San Diego, California this _____ day of _____, 2004.

Douglas Rowitch

Done at Campbell, California this _____ day of _____, 2004.

Wyatt Riley

Done at Campbell, California this $\frac{7^{th}}{0 ct}$ day of $\frac{0 ct}{0 ct}$	
Craw .	DRetoutin
T	Jim Deloach

Done at Campbell, California this _____ day of _____, 2004.

Leonid Sheynblat

[Assignment/Multiple With Application] PATENT REEL: 034009 FRAME: 0197 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 Campbell, California this _____ day of _____, 2004.

Mark Moeglein

Done at San Diego, California this _____ day of _____, 2004.

Douglas Rowitch

Done at Campbell, California this _____ day of _____, 2004.

Wyatt Riley

Done at Campbell, California this _____ day of _____, 2004.

Jim Deloach

Done at Campbell, California this <u>22</u> day of <u>Equator</u>, 2004. <u>Man Jum Joseff</u> Leonid Sheynblat

2

[Assignment/Multiple With Application]

PATENT **REEL: 034009 FRAME: 0198**

RECORDED: 10/22/2014