PATENT ASSIGNMENT

2493

CH \$40,00

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Saeed S. Ghassemzadeh	11/16/2009
Jason Vincent Bellorado	11/19/2009
Ashley B. Tarokh	11/19/2009

RECEIVING PARTY DATA

Name:	AT&T Intellectual Property I, L.P.
Street Address:	645 E. Plumb Lane
City:	Reno
State/Country:	NEVADA
Postal Code:	89502

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12622493

CORRESPONDENCE DATA

Fax Number: (512)338-6301

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

Phone: 5123386300

Email: kprati@ip-counsel.com
Correspondent Name: Nicole Teitler Cave

Address Line 1: ZAGORIN O'BRIEN GRAHAM LLP
Address Line 2: 7600B N. Capital of TX Hwy, Ste 350

Address Line 4: Austin, TEXAS 78731

ATTORNEY DOCKET NUMBER:	037-0111
NAME OF SUBMITTER:	Katrina Prati

Total Attachments: 12

source=Assignment_037-0111#page1.tif

PATENT REEL: 023564 FRAME: 0404

501024308

source=Assignment_037-0111#page2.tif source=Assignment_037-0111#page3.tif source=Assignment_037-0111#page4.tif source=Assignment_037-0111#page5.tif source=Assignment_037-0111#page6.tif source=Assignment_037-0111#page7.tif source=Assignment_037-0111#page8.tif source=Assignment_037-0111#page9.tif source=Assignment_037-0111#page10.tif source=Assignment_037-0111#page11.tif source=Assignment_037-0111#page12.tif

> PATENT REEL: 023564 FRAME: 0405

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Saeed S. Ghassemzadeh of Andover, NJ Jason Vincent Bellorado of Santa Clara, CA Ashley B. Tarokh of Brookline, MA

hereby sell, assign and transfer to

ASSIGNEE: AT&T Intellectual Property I, L.P., a Nevada limited partnership,

having a place of business at 645 E. Plumb Lane, Reno, NV 89502,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in:

U.S. Patent	Application executed on or	about the date	e of this Assignment,
U.S. Patent	Application executed on		, or
U.S. Provisi	onal Application		
U.S. Applica	ation No.:	, filed on	
☐ International	Application No.: PCT/		_, filed on
ENTITLED:	NARROWBAND INT		

INVENTOR(S): Saeed S. Ghassemzadeh, Jason Vincent Bellorado, and Ashley B. Tarokh

including without limitation, my entire right, title and interest in and to U.S. Provisional Application 61/182,803, filed June 1, 2009 and, more generally in and to, any and all United States and foreign applications (including any and all provisional, international, regional and foreign national applications) for said invention(s), including divisions, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above, (12/622,493, filed November 20, 2009) when they become known.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all United States and foreign applications (including international, regional, and foreign national applications), and generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees, at their request and reasonable expense, in obtaining and enforcing patents for said invention(s) in all countries.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

Page 1 of 4

PATENT REEL: 023564 FRAME: 0406

I authorize and request the Commissioner of Patents and Trademarks to issue any U.S. Letters Patent that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

Executed on Nev 16, 2009 by Luck Musser den Saced S. Ghassein dadeh Notary Use Below		
ACKNOWLEDGMENT		
State of Allerskensker) County of Allerskensker)		
On		
I certify under PENALTY OF PERJURY under the laws of the State of Aburganacy that the foregoing paragraph is true and correct.		
ID # 2220046 WITNESS my hand and official seal. WYPURICOFNEW IERSEY WITNESS my hand and official seal.		
Signature of Notary		

Page 2 of 4

2009-0820

Attorney Docket No.: 037-0111

PATENT REEL: 023564 FRAME: 0407

Executed on	, 200	by
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Notary	Use Below
	ACKNOV	VLEDGMENT
Jason Vincent Bellorado, who person whose name is subscrible/she executed the same in hit the instrument the person, or tinstrument.	before me, proved to me bed to the with is/her authoriche entity upo	, personally appeared (Printed Name of Notary) e on the basis of satisfactory evidence to be the thin instrument and acknowledged to me that zed capacity, and that by his/her signature on n behalf of which the person acted, executed the under the laws of the State of
		WITNESS my hand and official seal.
SEAL		
		Signature of Notary

Executed on , 200 by		
Executed on, 200 byAshley B. Tarokh		
Notary Use Below		
ACKNOWLEDGMENT		
State of)		
County of		
On, before me,, personally appeared (Printed Name of Notary) Ashley B. Tarokh, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of		
that the foregoing paragraph is true and correct.		
WITNESS my hand and official seal.		
SEAL		
Signature of Notary		

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below, Saeed S. Ghassemzadeh of Andover, NJ Jason Vincent Bellorado of Santa Clara, CA Ashley B. Tarokh of Brookline, MA hereby sell, assign and transfer to ASSIGNEE: AT&T Intellectual Property I, L.P., a Nevada limited partnership, having a place of business at 645 E. Plumb Lane, Reno, NV 89502, its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in: ☑ U.S. Patent Application executed on or about the date of this Assignment, U.S. Patent Application executed on ______, or U.S. Provisional Application U.S. Application No.: ______, filed on _____, filed on _____, filed on _____, ENTITLED: NARROWBAND INTERFERENCE REJECTION FOR **ULTRA-WIDEBAND SYSTEMS**, and naming as INVENTOR(S): Saeed S. Ghassemzadeh, Jason Vincent Bellorado, and Ashley B. Tarokh including without limitation, my entire right, title and interest in and to U.S. Provisional Application 61/182,803, filed June 1, 2009 and, more generally in and to, any and all United States and foreign applications (including any and all provisional, international, regional and foreign national applications) for said invention(s), including divisions, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof. To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above, (12/622,493, filed November 20, 2009) when they become known. I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to claim all rights of priority without further authorization from me. I agree to execute any and all papers useful in connection with any and all United States and foreign applications (including international, regional, and foreign national applications), and generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees, at their request and reasonable expense, in obtaining and enforcing patents for said invention(s) in all countries. I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or

Page 1 of 4

will be made or entered into that would conflict with this Assignment.

2009-0820

Attorney Docket No.: 037-0111

I authorize and request the Commissioner of Patents and Trademarks to issue any U.S. Letters Patent that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

Executed on, 200 by	
Notary Use Below	
ACKNOWLEDGMENT	
State of	
On, before me,, personally ap (Printed Name of Notary) Saeed S. Ghassemzadeh, who proved to me on the basis of satisfactory evidence to person whose name is subscribed to the within instrument and acknowledged to me he/she executed the same in his/her authorized capacity, and that by his/her signate the instrument the person, or the entity upon behalf of which the person acted, exe instrument.	be the e that are on
I certify under PENALTY OF PERJURY under the laws of the State of that the foregoing paragraph is true and correct.	
WITNESS my hand and offici	al seal.
SEAL	
Signature of Notary	

REEL: 023564 FRAME: 0411

Executed on Nov. 19, 2009 by Jan Bellorado
ACKNOWLEDGMENT
State of CALIFORNIA) County of SANTA CLARA)
On 1119 2009, before me, ELIAS MEMON, WTARY, personally appeared (Printed Name of Notary) Jason Vincent Bellorado, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
I certify under PENALTY OF PERJURY under the laws of the State of <u>CA-LIFORNIA</u> that the foregoing paragraph is true and correct.
ELIAS MEMON Commission # 1857891 Notary Public - California Santa Clara County My Comm. Expires Aug 12, 2013 WITNESS my hand and official seal. ELias Memon Commission # 1857891 Notary Public - California Santa Clara County My Comm. Expires Aug 12, 2013 Signature of Notary

Executed on, 200	Ashley B. Tarokh
Note	ary Use Below
ACKN	OWLEDGMENT
State of)	
State of) County of	_)
Ashley B. Tarokh, who proved to me on whose name is subscribed to the within i executed the same in his/her authorized or	
	WITNESS my hand and official seal.
SEAL	
	Signature of Notary

REEL: 023564 FRAME: 0413

For good and valuable consideration, the receipt of which is hereby acknowledged,	
I, an ASSIGNOR named below,	

Saeed S. Ghassemzadeh of Andover, NJ Jason Vincent Bellorado of Santa Clara, CA Ashley B. Tarokh of Brookline, MA

hereby sell, assign and transfer to

ASSIGNEE:

AT&T Intellectual Property I, L.P., a Nevada limited partnership, having a place of business at 645 E. Plumb Lane, Reno, NV 89502,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in:

,	S [(-)	
	pplication executed on or			
U.S. Patent A	pplication executed on _	, 01	† •	
U.S. Provision				
U.S. Applicati	ion No.:	, filed on		
International	Application No.: <u>PCT/</u>	, file	ed on	
ENTITLED:	NARROWBAND INT ULTRA-WIDEBAND			
INVENTOR(S):	Saced S. Ghassemzadel	ı. Jason Vincent Be	llorado, and	

including without limitation, my entire right, title and interest in and to U.S. Provisional Application 61/182,803, filed June 1, 2009 and, more generally in and to, any and all United States and foreign applications (including any and all provisional, international, regional and foreign national applications) for said invention(s), including divisions, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof.

Ashley B. Tarokh

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above, (12/622,493, filed November 20, 2009) when they become known.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all United States and foreign applications (including international, regional, and foreign national applications), and generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees, at their request and reasonable expense, in obtaining and enforcing patents for said invention(s) in all countries.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

Page 1 of 4

2009-0820

Attorney Docket No.: 037-0111

I authorize and request the Commissioner of Patents and Trademarks to issue any U.S. Letters Patent that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

Executed on, 200 by				
ACKNOWLEDGMENT				
State of	oe the that e on			
I certify under PENALTY OF PERJURY under the laws of the State of that the foregoing paragraph is true and correct.				
WITNESS my hand and officia	seal.			
Signature of Notary				

Executed on, 200 by	0			
ACKNOWLEDGMENT				
State of				
On, before me,, personally appeared (Printed Name of Notary) Jason Vincent Bellorado, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.				
I certify under PENALTY OF PERJURY under the laws of the State of that the foregoing paragraph is true and correct.				
WITNESS my hand	l and official seal.			
MADMI.				
Signature of Notary				

Executed on November 19, 2009 by Ashley B. Tarokh				
Notary Use Below				
ACKNOWLEDGMENT				
State of MASSACHUS-1-1-8) County of MASSACHUS-1-1-8 On MASSACHUS-1-8 ON MASSAC				
I certify under PENALTY OF PERJURY under the laws of the State of MASSACHUSCAF that the foregoing paragraph is true and correct.				
WITNESS my hand and official seal. SEAL. Signature of Notary				

Donna A. Bartolons Notary Public My Commission Expless April 16, 2010

Page 4 of 4

2009-0820

Attorney Docket No.: 037-0111

PATENT REEL: 023564 FRAME: 0417

RECORDED: 11/24/2009