PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:			NEW ASSIGNMENT	
NATURE OF CONVEYANCE:			ASSIGNMENT	
CONVEYING PARTY DATA				
		N	ame	Execution Date
Lusheng Ji				09/16/2009
Bo Han				09/11/2009
Robert R. Miller II				09/17/2009
RECEIVING PARTY D	ATA			
Name:	AT&T Intellect	tual Pr	operty I, L.P.	
Street Address:	645 E. Plumb	Lane		
City:	Reno			
State/Country:	NEVADA			
Postal Code:	89502			
PROPERTY NUMBER	RS Total: 1			
Property Ty	ype		Number	
Application Number:		12561	130	
CORRESPONDENCE	DATA			8
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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.				
Phone: 5123386300 Email: kprati@ip-counsel.com				
Email: kprati@ip-counsel.com Correspondent Name: Mark Zagorin				
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Address Line 2: 7600B N. Capital of TX Hwy, Ste 350				
Address Line 4: Austin, TEXAS 78731				
ATTORNEY DOCKET	NUMBER:		037-0124	
NAME OF SUBMITTER:			Katrina Prati	
Total Attachments: 12 source=Assignment_e		l.tif		PATENT

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

Lusheng Ji of Randolph, NJ Bo Han of College Park, MD Robert R. Miller II of Convent Stn., NJ

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 o	or about the da	te of this Assignment	
U.S. Patent Application executed on		. or	
U.S. Provisional Application			
U.S. Application No.:	, filed on		
International Application No.: <u>PCT/</u>		, filed on	

ENTITLED: IMPROVING QOS IN MULTI-HOP WIRELESS NETWORKS THROUGH PATH CHANNEL ACCESS THROTTLING, and naming as

INVENTOR(S): Lusheng Ji, Bo Han, and Robert R. Miller II

including without limitation, my entire right, title and interest 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, (<u>12 /561,130</u>, filed September 16, 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

Attorney Docket No.: 2008-1317/037-0124

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 $\underline{34/16}$, 200 $\underline{9}$ by	Lusheng Ji
Notary Use	Below
ACKNOWLED	GMENT
State of NJ County of $Linitorial Difference (Printer Difference) (Printer Difference) (Printer Difference (Printer Differe$	stactory evidence to be the person whose acknowledged to me that he/she executed by his/her signature on the instrument the son acted, executed the instrument.
I certify under PENALTY OF PERJURY under the the foregoing paragraph is true and correct.	he laws of the State of $N\overline{}$
INGRID FILANNINO ID # 2226569 NOTARY PUBLIC OF NEW JERSEY Commission Expires 6/15/2014	WITNESS my hand and official seal.

Page 2 of 4

Attorney Docket No.: 2008-1317/037-0124

Executed on, 200 by	Bo Han
Notary Us	se Below
ACKNOWL	EDGMENT
State of) County of) On, before me, (Date)(Pr Bo Han, who proved to me on the basis of sati	sfactory evidence to be the person whose
name is subscribed to the within instrument an the same in his/her authorized capacity, and th person, or the entity upon behalf of which the	at by his/her signature on the instrument the
I certify under PENALTY OF PERJURY under that the foregoing paragraph is true and correct	
	WITNESS my hand and official seal.
SEAL	
	Signature of Notary

Page 3 of 4

Attorney Docket No.: 2008-1317/037-0124

Executed on, 200 by Robert R. Miller II
Notary Use Below
ACKNOWLEDGMENT
State of) County of)
On, before me,, personally appeared
I certify under PENALTY OF PERJURY under the laws of the State of
WITNESS my hand and official seal.
SEAL
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Page 1 of 4

Attorney Docket No.: 2008-1317/037-0124

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Executed on	,200	by Lusheng Ji
	Notary	Use Below
	ACKNOW	LEDGMENT
State of County of)	
Lusheng Ji, who proved to m name is subscribed to the wit the same in his/her authorize	the on the basis o thin instrument and capacity, and	(Printed Name of Notary) if satisfactory evidence to be the person whose and acknowledged to me that he/she executed that by his/her signature on the instrument the person acted, executed the instrument.
I certify under PENALTY O that the foregoing paragraph		nder the laws of the State ofect.
		WITNESS my hand and official seal.
SEAL		
		Signature of Notary

Page 2 of 4

Attorney Docket No.: 2008-1317/037-0124

09/11 bor ____, 200<u>9</u> by Executed on Bo Han - Notary Use Below --ACKNOWLEDGMENT State of County of On ore me personally appeared (Printed Name of Notary) Bo Han, who proversion 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 of 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 MD that the foregoing paragraph is true and correct. WITNESS my hand and official seal. SEAE. Signature of Notary Page 3 of 4 Attorney Docket No.: 2008-1317/037-0124

Executed on		by Robert R. Miller II
	-	VLEDGMENT
State of County of)	
Robert R. Miller II, who prov person whose name is subscr he/she executed the same in 1 the instrument the person, or instrument.	ved to me on t ibed to the wi his/her authori the entity upo	, personally appeared (Printed Name of Notary) he basis of satisfactory evidence to be the thin instrument and acknowledged to me that ized capacity, and that by his/her signature on n behalf of which the person acted, executed the
that the foregoing paragraph	is true and co	under the laws of the State of
		WITNESS my hand and official seal.
SEAL		
		Signature of Notary

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Page 1 of 4

Attorney Docket No.: 2008-1317/037-0124

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Executed on, 200	
Notary	Use Below
ACKNOW	LEDGMENT
State of) County of)	
name is subscribed to the within instrument.	f satisfactory evidence to be the person whose and acknowledged to me that he/she executed that by his/her signature on the instrument the
I certify under PENALTY OF PERJURY un that the foregoing paragraph is true and corre	
	WITNESS my hand and official seal.
SEAL	
	Signature of Notary

Attorney Docket No.: 2008-1317/037-0124

Executed on, 200 ł	Dy Bo Han
Notary U	Use Below
ACKNOWI	LEDGMENT
	tisfactory evidence to be the person whose and acknowledged to me that he/she executed that by his/her signature on the instrument the e person acted, executed the instrument. der the laws of the State of
	WITNESS my hand and official seal.
SEAL	
	Signature of Notary

Page 3 of 4

Attorney Docket No.: 2008-1317/037-0124

Ex	ecuted on 5, 2007 by Frank. Miller II Robert R. Miller II
	ACKNOWLEDGMENT
Co On Ro per he/ the	hete of <u>Meur Jervey</u> bunty of <u>Module</u> <u>a Septembul 17</u> , before me, <u>Nancy L</u> , <u>Ridge</u> , personally appeared (Date) (Printed Name of Notary) obert R. Miller II, who proved to me on the basis of satisfactory evidence to be the rson whose name is subscribed to the within instrument and acknowledged to me that 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 strument.
I c tha	ertify under PENALTY OF PERJURY under the laws of the State of <u>New Jew</u> ey
	NANCY L. RIDGE NOTARY PUBLIC STATE OF NEW JERSEY MY COMMISSION EXPIRES 6/13/2010 WITNESS my hand and official seal. Manuf A. Ridge Signature of Notary

Page 4 of 4

Attorney Docket No.: 2008-1317/037-0124

PATENT REEL: 023248 FRAME: 0490