

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
AT&T DELAWARE INTELLECTUAL PROPERTY, INC.		11/14/2008
RECEIVING PARTY DATA		
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Property Type	Number	
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DATE SIGNED:	02/28/2018	
Total Attachments: 13		
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RECORDABLE PATENT ASSIGNMENT

This Recordable Patent Assignment is between AT&T Delaware Intellectual Property, Inc. ("AT&T Delaware IP"), a Delaware corporation, and AT&T Intellectual Property I, L.P. ("AT&T IP I"), a Nevada limited partnership.

Effective on June 30, 2008, for good and adequate consideration, the receipt and sufficiency of which has been and hereby is acknowledged, AT&T Delaware IP hereby assigns, transfers, and conveys and/or has assigned, transferred, and conveyed to AT&T IP I all of AT&T Delaware IP's right, title and interest in and to the patents and pending patent applications identified on Attachment A (the "Patents"), with respect to which and to the extent to which AT&T Delaware IP has or previously had the right to so assign, transfer and convey such rights, including all claims for past infringement, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions in its own name throughout the world including all rights of priority, all rights to public cautionary notices reserving ownership of said inventions and all rights to claim and register said inventions in appropriate registries. AT&T Delaware IP has further agreed to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in AT&T IP I, its successors, assigns and legal representatives.

IN WITNESS WHEREOF, AT&T Delaware IP has caused this Recordable Patent Assignment to be executed by its duly authorized representative.

**AT&T DELAWARE INTELLECTUAL
PROPERTY, INC.**

By: Michael Bishop
Michael Bishop
President and General Counsel

STATE OF Georgia)
COUNTY OF DeKalb) ss:

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the

purposes therein stated, this 14th day of November 20 08



My Commission Expires:

January 22, 2012

ATTACHMENT A

<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
BASE STATION	29/281,640	ATTWD102US	06/27/2007
BASE STATION	29/302,372	ATTWD102USA	01/15/2008
SYSTEM AND METHOD FOR CONTROLLING THE USE OF A WIRELESS DEVICE	11/611,006	ATTWP264USA	12/14/2006
SYSTEM AND METHOD FOR CONTROLLING THE USE OF A WIRELESS DEVICE	12/023,465	ATTWP264USB	01/31/2008
PROVIDING REAL TIME CALL LOG DATA TO A REMOTE CALL LOG FOR CALLS TO AND FROM A MOBILE COMMUNICATIONS APPARATUS	11/069,212	ATTWP266US	03/01/2005
PROVIDING REAL TIME CALL LOG DATA TO A REMOTE CALL LOG FOR CALLS TO AND FROM A MOBILE COMMUNICATIONS APPARATUS	11/591,066	ATTWP266USA	11/01/2006
METHOD FOR REVERSE PATH MAPPING IN A WIRELESS NETWORK USING COMARCO AND HUGHES TELECOMMUNICATION EQUIPMENT	09/751,456	ATTWP267US	12/29/2000

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<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
EXPERT SYSTEM FOR TROUBLESHOOTING CELLULAR SITE PROBLEMS	09/955,817	ATTWP268US	09/19/2001
METHOD FOR REVERSE PATH MAPPING IN A WIRELESS NETWORK USING XTEL AND LUCENT TELECOMMUNICATIONS EQUIPMENT	09/751,287	ATTWP269US	12/29/2000
SYSTEM, METHOD, AND APPARATUS FOR PROVIDING HIGH-SPEED ACCESS TO DATA STORED AT A DIGITAL CELLULAR SWITCH	09/910,566	ATTWP270US	07/20/2001
METHOD AND SYSTEM FOR PAYING PREPAID COMMUNICATIONS CREDIT	10/008,511	ATTWP271US	11/08/2001
METHOD AND SYSTEM FOR PAYING PREPAID COMMUNICATIONS CREDIT	11/084,914	ATTWP271USA	03/21/2005
METHOD AND SYSTEM FOR PAYING PREPAID COMMUNICATIONS CREDIT	11/838,685	ATTWP271USB	08/14/2007

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<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
METHODS AND APPARATUS FOR OVER-THE- AIR PROGRAMMING FOR A WIRELESS UNIT	10/031,126	ATTWP272US	08/19/2003
METHODS AND APPARATUS FOR OVER-THE- AIR PROGRAMMING FOR A WIRELESS UNIT	11/611,028	ATTWP272USA	12/14/2006
METHOD AND SYSTEM FOR PROVIDING ENTRY NODE LOCATION IN A WIRELESS TELECOMMUNICATIONS SYSTEM	10/021,098	ATTWP273US	12/12/2001
APPARATUS FOR PROVIDING A GATEWAY BETWEEN A WIRED TELEPHONE AND A WIRELESS TELEPHONE NETWORK	10/044,585	ATTWP274US	10/23/2001
METHOD FOR REVERSE PATH MAPPING IN A WIRELESS NETWORK USING XTEL AND ERICSSON TELECOMMUNICATIONS EQUIPMENT	09/751,286	ATTWP275US	12/29/2000

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<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
ALTERNATIVE WIRELESS TELEPHONE ROAMING USING PREPAID SERVICES	09/992,626	ATTWP276US	11/06/2001
ALTERNATIVE WIRELESS TELEPHONE ROAMING USING PREPAID SERVICES	10/923,425	ATTWP276USA	08/20/2004
ALTERNATIVE WIRELESS TELEPHONE ROAMING USING PREPAID SERVICES	11/959,909	ATTWP276USB	12/19/2007
METHODS, SYSTEMS, AND COMPUTER-READABLE MEDIUMS FOR MANAGING ROLLOVER USAGE UNITS OF COMMUNICATION SERVICES	10/749,108	ATTWP280USA	12/29/2003
SYSTEM, METHOD AND APPARATUS FOR MAINTAINING CELLULAR TELEPHONE NETWORK SITE INFORMATION	7,088,997	ATTWP281US	Issued - 8/8/2006

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<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
METHODS AND SYSTEMS FOR A COMMUNICATION MANAGER FOR WIRELESS CONVERGED TELECOMMUNICATION SERVICES	60/661,363	ATTWP286US	03/14/2005
METHODS AND SYSTEMS FOR A COMMUNICATION MANAGER FOR WIRELESS CONVERGED TELECOMMUNICATION SERVICES	11/178,942	ATTWP286USA	07/11/2005
METHOD FOR TRIGGERING IN-CALL HANDOVER IN A DUAL MODE PHONE BETWEEN WIFI AND CELLUAR ENVIRNMENTS	60/798,824	ATTWP287US	05/09/2006
METHOD FOR TRIGGERING IN-CALL HANDOVER IN A DUAL MODE PHONE BETWEEN WIFI AND CELLUAR ENVIRNMENTS	60/794,925	ATTWP287USA	04/26/2006
METHOD FOR TRIGGERING IN-CALL HANDOVER IN A DUAL MODE PHONE BETWEEN WIFI AND CELLUAR ENVIRNMENTS	11/513,720	ATTWP287USB	08/31/2006

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<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
RETRIEVING VOICE-BASED CONTENT IN CONJUNCTION WITH WIRELESS APPLICATION PROTOCOL BROWSING	09/894,257	ATTWP288US	06/29/2001
RETRIEVING VOICE-BASED CONTENT IN CONJUNCTION WITH WIRELESS APPLICATION PROTOCOL BROWSING	11/586,293	ATTWP288USA	10/25/2006
SYSTEM AND METHOD FOR ENSURING PROPER BILLING IN A CELLUAR TELEPHONE SYSTEM	10/094,614	ATTWP289US	03/12/2002
SYSTEM FOR PROVIDING INTEGRATED VOICE AND DATA SERVICES UTILIZING WIRED CORDLESS ACCESS WITH UNLICENSED/UNREGULATED SPECTRUM	60/476/743	ATTWP290US	06/06/2003

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<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
SYSTEM FOR PROVIDING INTEGRATED VOICE AND DATA SERVICES UTILIZING WIRED CORDLESS ACCESS WITH UNLICENSED/UNREGULATED SPECTRUM	10/614,737	ATTWP290USA	07/07/2003
METHODS FOR APPARATUS FOR ESTABLISHING A FIXED WIRELESS TELEPHONE SERVICE	60/405,954	ATTWP291US	Expired Provisional 9/1/2003
CALL HANDLING FOR A FIXED WIRELESS DEVICE	10/319,937	ATTWP291USA	Abandoned 1/25/2006
FIXED WIRELESS TELEPHONE DEVICE	6,999,761 B2	ATTWP291USB	Issued 2/14/2006
FIXED WIRELESS TELEPHONE DEVICE	10/639,553	ATTWP291USC	Abandoned 10/28/2004
FIXED WIRELESS TELEPHONE DEVICE	7,212,816 B2	ATTWP291USD	Issued 5/1/2007
FIXED WIRELESS TELEPHONE DEVICE	11/786,034	ATTWP291USE	04/10/2007

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<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
SYSTEM FOR PROVIDING INTEGRATED VOICE AND DATA SERVICES UTILIZING WIRED CORDLESS ACCESS WITH UNLICENSED SPECTRUM	60/495,843	ATTWP292US	06/23/2003
TRACKING AND NOTIFICATION OF TELEPHONE PLAN MINUTE STATUS	09/943,109	ATTWP314US	08/31/2001
TRACKING AND NOTIFICATION OF TELEPHONE PLAN MINUTE STATUS	11/957,967	ATTWP314USA	12/17/2007
METHOD AND SYSTEM FOR PREPAID COMMUNICATIONS CREDIT	6,961,412 B2	ATTWP315US	Issued 11/1/05
METHOD AND SYSTEM FOR PREPAID COMMUNICATIONS CREDIT	7,295,695 B2	ATTWP315USA	Issued 11/13/07
METHOD AND SYSTEM FOR PREPAID COMMUNICATIONS CREDIT	11/938935	ATTWP315USB	11/07/2007
MOBILE AERIAL COMMUNICATIONS ANTENNA AND ASSOCIATED METHODS	7,251,502 B1	ATTWP316US	Issued 7/31/07

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<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
SYSTEM AND METHOD FOR PROVIDING A SINGLE TELEPHONE NUMBER FOR USE WITH A PLURALITY OF TELEPHONE HANDSETS	10/614,751	ATTWP317US	07/07/2003
METHODS AND SYSTEMS FOR LANDLINE ACCESS TO WIRELESS NETWORKS	10/095,515	ATTWP318US	03/13/2002
METHODS AND SYSTEMS FOR MONITORING A WIRELESS	11/222,067	ATTWP319US	09/08/2005
SYSTEM AND METHOD FOR PROVIDING INTEGRATED VOICE AND DATA SERVICES UTILIZING WIRED CORDLESS ACCESS WITH UNLICENSED SPECTRUM AND WIRED ACCESS WITH LICENSED SPECTRUM	11/234,951	ATTWP320US	09/26/2005
SCRIPT BUILDING METHOD AND SYSTEM FOR WIRELINE AND	10/035,675	ATTWP321US	12/28/2001

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<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
GENERATING CELLSITE DATA TRANSMITTALS	7,031,715	ATTWP322US	Issue Date: 4/18/2006
Telecommunications Systems and Methods for Carryover of Unused Units	10/234,410	ATTWP324US	09/03/2002
METHOD AND SYSTEM FOR PREPAID ROAMING MINUTES	09/943,554	ATTWP326US	08/30/2001

<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
APPARATUS FOR PROVIDING A GATEWAY BETWEEN A WIRED TELEPHONE AND A WIRELESS TELEPHONE NETWORK	11/356347	ATTWP274USA	2/15/2006
SYSTEM AND METHOD FOR PROVIDING INTEGRATED VOICE AND DATA SERVICES UTILIZING WIRED CORDLESS ACCESS WITH UNLICENSED SPECTRUM AND WIRED ACCESS WITH LICENSED SPECTRUM	11/041604	ATTWP277USA	1/24/2005
INTEGRATED WIRELESS AND WIRELINE BILLING AND SERVICES MANAGEMENT	10/655558	ATTWP278USA	9/4/2003
EXPERT SYSTEM FOR TROUBLESHOOTING RADIO FREQUENCY PERFORMANCE PROBLEMS	09/955624	ATTWP282US	9/19/2001
METHOD FOR AUTOMATED UPDATE OF TELECOMMUNICATIONS DATA IN A WIRELESS NETWORK	09/751459	ATTWP283US	12/29/2000
METHOD FOR AUTOMATED RETUNE OF TELECOMMUNICATIONS DATA IN A WIRELESS NETWORK USING LUCENT EQUIPMENT	09/751457	ATTWP284US	12/29/2000
METHOD FOR MAPPING TEAR DOWN DATA IN A WIRELESS NETWORK	09/751285	ATTWP285US	12/29/2000
SYSTEM AND METHOD FOR PROVIDING INTEGRATED VOICE AND DATA SERVICES UTILIZING WIRED CORDLESS ACCESS WITH UNLICENSED/UNREGULATED SPECTRUM AND WIRED ACCESS WITH LICENSED/REGULATED SPECTRUM	10/614744	ATTWP292US	7/7/2003

<u>Title</u>	<u>Appl. Ser. No.</u>	<u>Docket Number</u>	<u>Filing Date</u>
METHOD AND SYSTEM FOR PREPAID COMMUNICATIONS CREDIT	11/183351	ATTWP315USA	7/18/2005
METHODS AND APPARATUS FOR RECOGNIZING HOME NETWORK PROVIDER OF INCOMING WIRELESS CALLS	11/273546	ATTWP328US	11/14/2005
METHODS AND APPARATUS FOR ESTABLISHING A FIXED WIRELESS TELEPHONE SERVICE	10/324543	ATTWP291USF	12/19/2002