504364862 05/12/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KATHRYN CHILDS	04/17/2017
CHICHI BODEROUX	04/18/2017
CARLA SYKES	04/19/2017
KEVIN WILKINS	04/19/2017

RECEIVING PARTY DATA

Name:	AT&T Mobility II LLC
Street Address:	1025 Lenox Park Blvd
City:	Atlanta
State/Country:	GEORGIA
Postal Code:	30319

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15493604

CORRESPONDENCE DATA

Fax Number: (847)510-0710

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: docketing@ggip.com

Correspondent Name: AT&T LEGAL DEPARTMENT - GMG ATTN: PATENT

Address Line 1: ROOM 2A-207
Address Line 2: ONE AT&T WAY

Address Line 4: BEDMINSTER, NEW JERSEY 07921

ATTORNEY DOCKET NUMBER:	2016-0452_7785-1600	
NAME OF SUBMITTER:	ATANU DAS	
SIGNATURE:	/Atanu Das/	
DATE SIGNED:	05/12/2017	

Total Attachments: 7

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PATENT 504364862 REEL: 042354 FRAME: 0986

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> PATENT REEL: 042354 FRAME: 0987

ASSIGNMENT

WHEREAS, AT&T Mobility II LLC, organized and existing under the laws of Delaware and having an address at 1025 Lenox Park Blvd, Atlanta, GA 30319, (hereinafter referred to as Assignee), desires to acquire the entire right, title and interest for the United States of America and elsewhere throughout the world in and to said invention and the patent application identified above, including any and all divisions and continuations thereof and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereto;

NOW THEREFORE, be it known that for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this non-provisional application, and all divisions, substitutions, and continuations thereof; and all Letters Patent of the United States which may be granted thereon, and all reexaminations and reissues thereof; and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application; and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, including certificates of inventions, utility models, industrial design protection, design patent protection, and other governmental grants or issuances; and all extensions, renewals, prolongations, and reissues thereof; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents;

AND, I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any assignment, sale, license, agreement, or encumbrance in conflict with this Assignment; Assignor also authorizes the Assignee, any agent of the Assignee, and any attorney of the Assignee to fill in the U.S. Application Serial No. above, and any further identification information, if required;

AND, I HEREBY further covenant and agree, for the Assignor and the Assignor's legal representatives, that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention; assist the Assignee in the prosecution of the patent application identified above; assist in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; testify in any interference, litigation, or other legal proceeding; sign all lawful papers when called upon to do so; execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns; execute all divisional, continuation, and reissue applications; make all rightful oaths and generally do everything possible to aid Assignee, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee; and hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without compensation, but at the expense of Assignee or its representatives.

Page 1 of 6

AND, I HEREBY consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **AT&T Mobility II LLC** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

This Assignment may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed an original, and such counterparts together shall constitute one and the same instrument. A facsimile copy of this Assignment, or any form of an electronic copy of this Assignment, including the signature pages hereto, shall be deemed to be an original.

Attorney Docket No. 2016-0452_7785-1600

IN TESTIMONY WHEREOF, I I	have hereunto set my hand this // day of April, 2017.
	KATHRYN CHILDS
State of NORTH CARROLL County of MECKLENBU	YMA
County of MECKLENBU	§ G
On this <u>17</u> day of _	APRIL , 2017, before me a Notary Public in and
for the above County and State, pe	rsonally appeared
KATHRYM CALLD	s, and acknowledged the execution of the foregoing
assignment as his/her free act and	deed for the purpose herein set forth.
white the second	My Commission Expires April 30, 2020
Notary Public	My Commission Expires:

IN TESTIMONY WHE	REOF, I have hereunto s	chich BODEROUX
State of CHUFORNI	19.	
County of CONTA CO		
On this	day of	, 2017, before me a Notary Public in and
for the above County an	d State, personally appe	ared
		, and acknowledged the execution of the foregoing
assignment as his/her fro	ee act and deed for the p	urpose herein set forth.
Notary Public	My Commi	ssion Expires:
See a	Hached	acknowledgment

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate document to which this certificate is attached, and not the	ate verifies only the identity of the individual who signed the ne truthfulness, accuracy, or validity of that document.
State of California County of CONTYA COSTA On 4-18-17 before me, COSTA Date personally appeared Childhill	Here Insert Name and Title of the Officer Name(s) of Signer(s)
subscribed to the within instrument and acknowle	evidence to be the person(s) whose name(s) is/are ledged to me that he/she/they executed the same in is/her/their signature(s) on the instrument the person(s), eted, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
Contra Costa County Commission # 2183379 My Commission # 26 25 2021	WITNESS my hand and official seal. Signature of Notary Public
Place Notary Seal Above	TIONAL ————
Though this section is optional, completing this	information can deter alteration of the document or form to an unintended document.
Description of Attached Document Title or Type of Document: Number of Pages: Signer(s) Other Than	Document Date:
Capacity(ies) Claimed by Signer(s) Signer's Name:	Signer's Name:

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IN TESTIMONY WHEREOF, I have hereunto set my hand this day of April, 2017.
State of
On this 19 day of April , 2017, before me a Notary Public in and
for the above County and State, personally appeared
, and acknowledged the execution of the foregoing
assignment as his/her free act and deed for the purpose herein set forth.
Our faint Notary Public My Commission Expires: 3/25/19
COMMONWEALTH OF PENNSYLVANIA NOTARIAL GEAL FLAINE GRINBLAT, NOTARY PUBLIC, WARRINGTON, BUCKS MY COMMISSION EXPIRES MARCH 25, 2019

IN TESTIMONY WHEREOF, I have hereunto se	my hand this 19 day of APRIL, 2017.
ັ້າ	KEVIN WILKINS
State of NJ)	
County of Monmonth)	
On this 19 day of April	, 2017, before me a Notary Public in and
for the above County and State, personally appear	ed
Kevin Wilkins	, and acknowledged the execution of the foregoing
assignment as his/her free act and deed for the pur	pose herein set forth.
Notary Public My Commiss	PAULA PFAFF ION Expires: ID # 50005080 Olacil 7 Commission Expires 10000000