PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PATRICK MASCARENHAS	08/28/2012
MING-JU HO	08/28/2012

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:	15869924

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.

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

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Address Line 4: BEDMINSTER, NEW JERSEY 07921

ATTORNEY DOCKET NUMBER:	7785-0935-02	
NAME OF SUBMITTER:	MELISSA EICHTEN	
SIGNATURE: /Melissa Eichten/		
DATE SIGNED:	01/22/2018	

Total Attachments: 3

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PATENT REEL: 044691 FRAME: 0712 504740461

ASSIGNMENT

WHEREAS, AT&T Mobility II, LLC, a corporation organized and existing under and by virtue of the laws of the State or Delaware, having a place of business at 1025 Lenox Parkon Blvd, Atlanta, GA 30319, hereinafter called the "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 thereof.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt of which by the Assignor(s) from the Assignee is hereby acknowledged, the Assignor(s) have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; 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 said Assignor(s) hereby covenant and agree, for both the Assignor(s) and the Assignor(s)' legal representatives, that the Assignor(s) will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor(s) will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignor(s) authorize 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 said Assignor(s) authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on all divisions and continuations thereof, to said Assignee, its assigns and legal representatives, in accordance with the terms of this Assignment.

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

PATENT REEL: 044691 FRAME: 0713 electronic copy of this Assignment, including the signature pages hereto, shall be deemed to be an original.

IN TESTIMONY WHEREOF, this Assignment is executed by said Assignor(s), on the date(s) listed below.

Patrick Mascarenhas	8/28/2012 Date
STATE OF <u>Georgia</u> COUNTY OF <u>Dekalb</u>) SS)
2012, by Patrick Mascarenhas,	
personally known to me;	
	And K Richard Notary Signature Print, type or stamp name of notary Liwola K Richards
	My commission apries 9/24/201=

Ming-Ju Ho	JIn (to	8/28/2012 Date
STATE OF COUNTY OF	Georgia DeKalb	_) ss)
Myus The fo 2012,	regoing instrument was swor by Ming-Ju Ho, who is: personally known to me; or	n to and subscribed before me this take day of
	produced identification; iden	ntification type:
		Notary Signature Print, type or stamp name of notary Linda K Richards My commission Openes 9/24/2012