505758687 11/05/2019

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5805502

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WALTER COOPER CHASTAIN	09/16/2019
JAMES HAMILTON	09/30/2019
JASON SIKES	09/30/2019
STEPHEN EMILLE CHIN	09/27/2019

RECEIVING PARTY DATA

Name:	AT&T INTELLECTUAL PROPERTY I, L.P.
Street Address:	675 W. PEACHTREE STREET
Internal Address:	SUITE 4000
City:	ATLANTA
State/Country:	GEORGIA
Postal Code:	30308

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16660389

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

AT&T LEGAL DEPARTMENT - GG ATTN: PATENT **Correspondent Name:**

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

Address Line 4: BEDMINSTER, NEW JERSEY 07921

ATTORNEY DOCKET NUMBER:	2019-0177_7785-1941A
NAME OF SUBMITTER:	DEVON WEIDE
SIGNATURE:	/Devon Weide/
DATE SIGNED:	11/05/2019

Total Attachments: 6

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PATENT REEL: 050922 FRAME: 0455 source=7785-1941A_Assignment_All_Signed#page2.tif source=7785-1941A_Assignment_All_Signed#page3.tif source=7785-1941A_Assignment_All_Signed#page4.tif source=7785-1941A_Assignment_All_Signed#page5.tif source=7785-1941A_Assignment_All_Signed#page6.tif

> PATENT REEL: 050922 FRAME: 0456

ASSIGNMENT

WHEREAS, AT&T Intellectual Property I, L.P., a Partnership organized and existing under the laws of Nevada and having an address at 675 W. Peachtree Street, Suite 4000, Atlanta, GA 30308, (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.

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 Intellectual Property I, L.P. 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.

IN TESTIMONY WHEREOF, I have here	unto set my hand this 6 day of September, 2019. WALTER COOPER CHASTAIN
State of Leon Chia	
County of <i>EL/EUA</i>	
On this <u>6 day of 8 0 8</u>	<u>Ém bern</u> . 2019, before me a Notary Public in and
for the above County and State, personally	
	्रिसिंद and acknowledged the execution of the foregoing
assignment as his/her free act and deed for	
	My Commission Expires
	February 16, 2020
Notary Public My Co	ommission Expires:
**************************************	*

IN TESTIMONY WHEREOF, I ha	JAMES HAMILTON	<u>tembe</u> , 2019.
State of Washington)		
County of Ling		
On this 30 th day of	September, 2019, before me a N	otary Public in and
for the above County and State, per	sonally appeared	
James Hamilton	, and acknowledged the execut	ion of the foregoing
assignment as(his)her free act and d	eed for the purpose herein set forth.	
Notary Public	My Commission Expires: 3/1/3020	BONNIE FRUIK NOTARY PUBLIC STATE OF VVASHINGTON COMMISSION EXPIRES MARCH 1, 2020

IN TESTIMONY WHEREOF, I ha	JASON SIKES
,	$oldsymbol{\ell}_j$
State of washington)	
County of King	
On this 30th day of	Sestember, 2019, before me a Notary Public in and
for the above County and State, per	sonally appeared
Juson Sikes	, and acknowledged the execution of the foregoing
assignment as his/her free act and d	leed for the purpose herein set forth.
Notary Public	My Commission Expires: 3/1/2020 STATE OF WASHINGTON COMMISSION EXPIRES MARCH 1, 2020

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of SEPT, 2019. STEPHEN EMILLE CHIN
State of <u>GEORGIA</u>) County of <u>GWINNETT</u>)
On this <u>O</u> day of <u>SEPTEMBEN</u> , 2019, before me a Notary Public in and for the above County and State, personally appeared
STEREN EMILE CHIN , and acknowledged the execution of the foregoing
AMES OF THE Notary Public My Commission Expires: OR OR 2023