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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAREN NICKERSON	01/24/2017
JUSTIN WISHNE	02/03/2017
DREW JACOBS	01/25/2017
JUSTIN SMITH	01/27/2017
MARCO S. GIAMPAOLO	02/03/2017
HANNES JOUHIKAINEN	01/25/2017

RECEIVING PARTY DATA

Name:	CAPITAL ONE SERVICES, LLC
Street Address:	1680 CAPITAL ONE DRIVE
City:	MCLEAN
State/Country:	VIRGINIA
Postal Code:	22102

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16180780

CORRESPONDENCE DATA

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TROUTMAN SANDERS LLP/CAPITAL ONE **Correspondent Name:** 600 PEACHTREE ST., NE, SUITE 3000 Address Line 1:

Address Line 4: ATLANTA, GEORGIA 30308

ATTORNEY DOCKET NUMBER:	COF0006CON (029424.1050)
NAME OF SUBMITTER:	MICAH B. HENSLEY
SIGNATURE:	/Micah B. Hensley/
DATE SIGNED:	11/06/2018

Total Attachments: 8

PATENT REEL: 047417 FRAME: 0135

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PATENT REEL: 047417 FRAME: 0136

ASSIGNMENT

WHEREAS, We, Karen Nickerson, Justin Wishne, Drew Jacobs, Justin Smith, Marco S. Giampaolo and Hannes Jouhikainen (collectively, "Assignor"), have invented certain improvements in SYSTEMS AND METHODS OF SHARING AN AUGMENTED ENVIRONMENT WITH A COMPANION, for which U.S. Provisional Patent Application No. 62/437,697 was filed on December 22, 2016, and for which future applications may be filed, (collectively referred to as the "Application"), and whereas

CAPITAL ONE SERVICES, LLC 1680 Capital One Drive McLean, VA 22012 United States of America

("Assignee") desires to purchase all the rights in same;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said Assignee, the receipt and sufficiency of which are hereby acknowledged, Assignor has and by these presents does hereby sell, assign, transfer and convey unto said Assignee all of Assignor's rights, title, and interest in and to said Application, including in and to any conventional, division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States thereof; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Application and Related US Applications, to Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignor, by these presents does sell, assign, and transfer to Assignee all of Assignor's rights, title and interest in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications, and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of Assignee or its designee, insofar as permitted by applicable law.

For the same consideration, Assignor agrees, without charge to Assignee, but at Assignee's expense, to sign all lawful papers, execute said Application, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Application, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid Assignee its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

TROUTMAN SANDERS AND, for the same consideration, Assignor also hereby sells, assigns and transfers unto Assignee all of Assignor's rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Application, Related US Applications, and Related Foreign Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

IN WITNESS WHEREOF, I have 1	hereunto set my ha	and and seal this	24 _ day of
	ZCYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	PSON	(SEAL)
Witnessed by: 少な なん		1/24/2012	
Printed Name of Witness Witnessed by: NARCO GAMUSE Printed Name of Witness	Date:	1/29/2017	······································

IN WITNESS WHEREOF, I ha	ve hereunto s	et my ha	and and seal this _	day of
, 2 , 2 , 7 , 7	Jer	て	Win	(SEAL)
△ ↑	JUSTIN	WISHN	Œ	
Witnessed by: Signature MHACO (FIAMP) Printed Name of Witness	100	Date:	2/3/17	
Witnessed by: Signature Over 101 1 2	lets oberts	Date:	2/3/2	<u>0</u> /7
Printed Name of Witnes	29			

IN WIT	TNESS WHEREOF, I have hereu , 2017.	nto set my hand and seal this day of
Jan 710-74		EW JACOBS (SEAL)
Witnessed by:	Signature	Date: 01/25/2017
Witnessed by:	ZVIAD AZNAURASHU Printed Name of Witness	Date: 1/25/2017
Wilder by .	Signature Stev Blandet Printed Name of Witness	

IN WITNESS WHEREOF, I have hereur	nto set my hand and seal this	day of
JANVARUY , 2017.		
	TIN SMITH	_(SEAL)
Witnessed by: Signature	Date: 1/27/17	
Mathew Dabwey Printed Name of Witness Witnessed by: Signature JUSTW WISHWE	Date: 1/27/17	
Printed Name of Witness		

_ IN WIT	NESS WHEREOF, I have her	eunto set my han	d and seal this day of
Feburar/	, 2017.	1	1
			(SEAL)
	M	LÁREO SÆGIAN	IPAOLO /
		1	
Witnessed by:	Signature	Date:	02.03.2017
-	Printed Name of Witness	2cN	
Witnessed by:	Just Winh	Date: _	2/3/2017
, , , , , , , , , , , , , , , , , , ,	Signature		
	JUSTIN WISHNE		
•	Printed Name of Witness		

IN WITNESS WHEREOF, I have hereunto s	set my hand and seal this 25 day of
<u>Sanuary</u> , 2017.	
	(SEAL)
HANNE	S JOUHIKAINEN
forman and the second s	and the second s
Witnessed by: Z. A. Signature	Date: 01/25/2017
ZVIAD AZNAURASHVILI Printed Name of Witness	
Witnessed by: 5 BWW Signature	Date: 1/25/2017
Stwe Blanchet Printed Name of Witness	

transfer and co in and to said.	nveyance unto said Assignee of	hereby accepts from Assignor the sale, assignment, the full, exclusive and entire right, title, and interest ations and Related Foreign Applications, by its duly
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		CAPITAL ONE SERVICES, LLC (Assignee)
		By: Name:Dennis Browne
		Title: Authorized Signatory
Witnessed by:	Signature	Date: 3/28/2017
	Printed Name of Witness	
Witnessed by:	Signature	Date:
	Printed Name of Witness	

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SANDERS
PATENT
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RECORDED: 11/06/2018