PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6215164

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OLUWATOBI OLABIYI	07/22/2020
ERIK T. MUELLER	07/22/2020
DIANA MINGELS	07/22/2020
ZACHARY KULIS	07/22/2020

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:	16936105

CORRESPONDENCE DATA

Fax Number: (312)463-5001

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.

Phone: (202) 824-3000

Email: bwptopat@bannerwitcoff.com, tlindquist@bannerwitcoff.com

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 71 SOUTH WACKER DRIVE

Address Line 2: SUITE 3600

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	009033.00209
NAME OF SUBMITTER:	SAMUEL P. RICHEY
SIGNATURE:	/ Samuel P. Richey /
DATE SIGNED:	07/23/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).
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Total Attachments: 4

PATENT REEL: 053292 FRAME: 0632

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Attorney Docket No. 009033.00209 (Client Ref.: P6234-US)

COMBINED PATENT DECLARATION AND ASSIGNMENT

TITLE OF INVENTION:	F INVENTION: MULTI-TURN DIALOGUE RESPONSE GENERATION WITH TEMPLATE GENERATION				
***************************************		DECLARATION	****************		
As the below named invent	or, I hereby decla	re that:			
 This declaration is directed to: 					
		d States application or er		ational application on	
I believe that I am itI hereby acknowled	the original inven		inventor of e in this de	a claimed invention in the application. claration is punishable under 18 U.S.C.	
		ASSIGNMENT			
WHEREAS , I, the below nam application number and filir		gnor, have invented the	e above inv	vention, having the following	
U.S. Applic	cation No	16/936,105	, filed	July 22, 2020	
If the above lines are blank, number immediately above	•	•		sert the filing date and application his document.	
WHEREAS, Capital One Services, LLC ("Assignee"), a Corporation having offices and a place of business at 1680 Capital One Drive, McLean, Virginia 22102, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:					
NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions.					
I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment.					
I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.					
INVENTOR/ASSIGNOR:					
Legal Name: <u>Oluwato</u> ł					
		LLC, 1680 Capital Or	<u>ie Drive, N</u>	McLean, Virginia 22102	
Signature: Auwatobi			Da	7/22/2020 te:	
Signature: Auwatobi	§	000000000000000000000000000000000000000	<i>Da</i>		

Attorney Docket No. 009033.00209 (Client Ref.: P6234-US)

COMBINED PATENT DECLARATION AND ASSIGNMENT

TITLE OF INVENTION:	TLE OF INVENTION: MULTI-TURN DIALOGUE RESPONSE GENERATION WITH TEMPLATE GENERATION				
***************************************	***************************************	DECLARATIO			
As the below named invento	or. I hereby dec		21 W		
 This declaration is directed to: 					
is directed to.		ted States application		ational application	
I believe that I am tI hereby acknowled	ed application v the original inve lge that any wil	vas made or authorize entor or an original joi	d to be made nt inventor of ade in this de	by me. a claimed invention in the application. claration is punishable under 18 U.S.C.	
		ASSIGNMEN	JT		
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salary and/or payment for the hereby acknowledged, I said assigns and legal representa America and all countries for Letters Patent in foreign countries and in and to all applications are and in and to all applications reexaminations, continuation with their associated goodwase, or sell the inventions. I hereby authorize and requires	the making of in I Assignor, by the tives, the full a reign thereto, a intries in its ow entitled under is and Letters Pa ins, continuation will, trade secret	eventions, or employee these presents do sell, a and exclusive right, title and throughout the wa an name and to claim a international convention atent granted therefor an-in-parts and extension, ts, confidential informations	e benefits, the assign and tra e and interest orld and in spa my priority rigions, treaties, , and all non-pons thereof, a ation, and con	nd valuable consideration, including receipt and sufficiency of which is nsfer unto said Assignee, its successors, for the territory of the United States of ace, (including the right to apply for this for such foreign applications to or otherwise), in and to said inventions provisionals, divisionals, reissues, and in and to all copyrights, trademarks in pilations, necessary or useful to make, whose duty it is to issue patents, to	
issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment.					
I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.					
INVENTOR/ASSIGNOR:					
Legal Name: <u>Erik T. Mu</u>					
Address: c/o Capita		es, LLC, 1680 Capital	One Drive, N	AcLean, Virginia 22102	
Signature: Enk † M		200000000000000000000000000000000000000	Da	te:	
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Attorney Docket No. 009033.00209 (Client Ref.: P6234-US)

COMBINED PATENT DECLARATION AND ASSIGNMENT

TITLE OF INVENTION:	/ENTION: MULTI-TURN DIALOGUE RESPONSE GENERATION WITH TEMPLATE GENERATION				
***************************************	Annonna manana mana	DECLARATION			
As the below named invent	or, I hereby dec	clare that:			
 This declaration is directed to: 					
		ted States application or nber		ational application on	
I believe that I amI hereby acknowled	the original inv dge that any wi		inventor of e in this de	f a claimed invention in the application. eclaration is punishable under 18 U.S.C.	
		ASSIGNMENT			
WHEREAS, I, the below nan application number and filin		ssignor, have invented th	e above in	vention, having the following	
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If the above lines are blank, number immediately above	-			nsert the filing date and application this document.	
WHEREAS, Capital One Services, LLC ("Assignee"), a Corporation having offices and a place of business at 1680 Capital One Drive, McLean, Virginia 22102, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:					
NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions.					
I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment.					
I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.					
INVENTOR/ASSIGNOR					
Legal Name: <u>Diana Mi</u>	ngels				
		es, LLC, 1680 Capital Or	ne Drive, I	McLean, Virginia 22102	
Signature: Diana M			Da	7/22/2020 hte:	
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RECORDED: 07/23/2020

Attorney Docket No. 009033.00209 (Client Ref.: P6234-US)

COMBINED PATENT DECLARATION AND ASSIGNMENT

TITLE OF INVENTION:	N: MULTI-TURN DIALOGUE RESPONSE GENERATION WITH TEMPLATE GENERATION				
***************************************	000000000000000000000000000000000000000	DECLARATIO	N		
As the below named invent	or, I hereby de	eclare that:			
 This declaration is directed to: 	⊠ Th				
		nited States application c Imber		national application on	
I believe that I amI hereby acknowled	the original in dge that any w		t inventor o de in this d	of a claimed invention in the application. eclaration is punishable under 18 U.S.C.	
		ASSIGNMEN	T		
WHEREAS, I, the below nan application number and filing		Assignor, have invented t	he above ir	nvention, having the following	
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NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as					
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INVENTOR/ASSIGNOR					
Legal Name: Zachary I					
Address: c/o Capit		ces, LLC, 1680 Capital (<u> Dne Drive,</u>	McLean, Virginia 22102	
Signature: Lawry	t .		ח	7/22/2020 ate:	
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