07/19/2021 506773159

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6819976

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PRAVEEN KANDUKURI	07/16/2021
SYED SALIM	07/16/2021
KARAMCHANDRADATT HARDATT	07/16/2021
NAGENDER GURRAM	07/14/2021
GANESH BHARATHAN	07/14/2021
YUDHISH BATRA	07/14/2021

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:	17374479	

CORRESPONDENCE DATA

Fax Number: (202)824-3001

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

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

BANNER & WITCOFF, LTD. **Correspondent Name:**

1100 13TH ST. NW Address Line 1:

Address Line 2: STE 1200

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	009033.00404\US
NAME OF SUBMITTER:	KIRK A. SIGMON
SIGNATURE:	/Kirk A. Sigmon/
DATE SIGNED:	07/19/2021
This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT

REEL: 056902 FRAME: 0157 506773159

Total Attachments: 6

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COMBINED PATENT DECLARATION AND ASSIGNMENT

CONDINED PATENT DECLARATION AND ASSIGNMENT			
TITLE OF INVENTION:		QUERY ALERTS GENERATION FOR VIRTUAL WAREHOUSE	
		DECLARATION	
As the below named invent	or, I herel	by declare that:	
 This declaration is directed to: 		The attached application, or	
	\boxtimes	United States application or PCT international application number $\underline{17/374,479}$ filed on $\underline{\text{July }13,2021}$.	
 The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. 			
		ASSIGNMENT	
WHEREAS, I, the below nan application number and filin		tor/Assignor, have invented the above invention, having the following	
	U.S. Ap	plication No. <u>17/374,479</u> , filed <u>July 13, 2021</u> .	
		authorize the attorneys for Assignee to insert the filing date and application y become known and prior to recording 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>Praveen</u>			
Address: c/o Capit	al One Se	ervices, LLC, 1680 Capital One Drive, McLean, Virginia 22102	
Signatura: /	{	un kandukun / Date: 7/16/2021	

COMBINED PATENT DECLARATION AND ASSIGNMENT

COMIDINED PATEINT DECLARATION AND ASSIGNMENT			
TITLE OF INVENTION:	QUERY ALERTS GENERATION FOR VIRTUAL	WAREHOUSE	
	DECLARATION		
As the below named invento	r, I hereby declare that:		
 This declaration is directed to: 	The attached application, or		
	☑ United States application or PCT international application on July 13, 2021.	ation number <u>17/374,479</u>	
I believe that I am tI hereby acknowled	 The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. 		
	ASSIGNMENT		
WHEREAS, I, the below nam application number and filin	ed Inventor/Assignor, have invented the above invention, havir g date:	ng the following	
	U.S. Application No. <u>17/374,479</u> , filed <u>July 13, 2021</u> .		
3	hereby authorize the attorneys for Assignee to insert the filing after they become known and prior to recording 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: Syed Salir	<u>n</u>		
	I One Services, LLC, 1680 Capital One Drive, McLean, Virg	inia 22102	
Signature: /	<i>{</i>	/16/2021	

COMBINED PATENT DECLARATION AND ASSIGNMENT

CONDINED PATENT DECLARATION AND ASSIGNMENT			
TITLE OF INVENTION:	QUERY ALERTS GENERATION FOR VIRTUAL WAREHOUSE		
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As the below named invento	or, I hereby declare that:		
 This declaration is directed to: 	☐ The attached application, or		
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 The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. 			
	ASSIGNMENT		
WHEREAS, I, the below nam application number and filir	ned Inventor/Assignor, have invented the above invention, having the following ng date:		
	U.S. Application No. <u>17/374,479</u> , filed <u>July 13, 2021</u> .		
1	I hereby authorize the attorneys for Assignee to insert the filing date and application after they become known and prior to recording this document.		
One Drive, McLean, Virginia	rices, LLC ("Assignee"), a Corporation having offices and a place of business at 1680 Capital 22102, is desirous of acquiring the entire right, title and interest in and to the aforesaid applications and Letters Patent therefor granted in the United States of America, and in thereto:		
salary and/or payment for thereby acknowledged, I said assigns and legal represents America and all countries for Letters Patent in foreign countries which such applications are and in and to all application reexaminations, continuations.	OM IT MAY CONCERN, be it known that, for good and valuable consideration, including the making of inventions, or employee benefits, the receipt and sufficiency of which is discipled assigner, by these presents do sell, assign and transfer unto said Assignee, its successors, actives, the full and exclusive right, title and interest for the territory of the United States of treign thereto, and throughout the world and in space, (including the right to apply for untries in its own name and to claim any priority rights for such foreign applications to entitled under international conventions, treaties, or otherwise), in and to said inventions and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, and, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks will, trade secrets, confidential information, and compilations, necessary or useful to make,		
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.			
successors, assigns, or nomi that I will execute all non-pr applications, testify in any le	rther consideration, but at the expense of Assignee, communicate to said Assignee, or its nees, any and all facts known to me regarding said inventions whenever requested, and ovisional, divisional, reissue, reexamination, continuation and continuation-in-part egal proceedings, sign all lawful papers, make all rightful oaths, and generally do aid Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent as in all countries.		
INVENTOR/ASSIGNOR:			
Legal Name: <u>Karamcha</u>	andradatt Hardatt al One Services, LLC, 1680 Capital One Drive, McLean, Virginia 22102		
Signature: /	Earamchandradatt Hardatt / Date: 7/16/2021		

COMBINED PATENT DECLARATION AND ASSIGNMENT

CONIDINED PATEINT DECLARATION AIND ASSIGNIVIENT			
TITLE OF INVENTION: QUERY ALERTS GENERATION FOR VIRTUAL WAREHOUSE			
DECLARATION			
As the below named inventor, I hereby declare that:			
 This declaration			
United States application or PCT international application number $\underline{17/374,479}$ filed on $\underline{July 13, 2021}$.			
 The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. 			
ASSIGNMENT			
WHEREAS , I, the below named Inventor/Assignor, have invented the above invention, having the following application number and filing date:			
U.S. Application No. <u>17/374,479</u> , filed <u>July 13, 2021</u> .			
If the above lines are blank, I hereby authorize the attorneys for Assignee to insert the filing date and application number immediately above after they become known and prior to recording 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.			
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INVENTOR/ASSIGNOR:			
Legal Name: <u>Nagender Gurram</u>			
Address: c/o Capital One Services, LLC, 1680 Capital One Drive, McLean, Virginia 22102			
Signature: / Nagural Gurram / Date: 7/14/2021			

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INVENTOR/ASSIGNOR			
1	Bharathan		
	tal One Services, LLC, 1680 Capital One Drive, McLean, Virginia 22102		
Signature: /	Ganesh Bharathan / Date: 7/14/2021		

RECORDED: 07/19/2021

Attorney Docket No. 009033.00404 (Client Ref.: P08778-US-ORG2)

COMBINED PATENT DECLARATION AND ASSIGNMENT

COMBINED PATENT DECLARATION AND ASSIGNMENT				
TITLE OF INVENTION:	QUERY ALERTS GE	NERATION FOR VIRTUAL WAREHOUSE		
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As the below named invento	r, I hereby declare that:			
 This declaration is directed to: 	☐ The attached application	on, or		
	\boxtimes United States application $\exists u \in \mathbb{R}$ United States	on or PCT international application number <u>17/374,479</u>		
I believe that I am tI hereby acknowled	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
	ASSIGNIV	IENT		
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issue all Letters Patent on sa	id inventions or resulting therefro	and any official whose duty it is to issue patents, to ome to said Assignee, or its successors and assigns, as warrant that I have full right to agree to, execute, and		
successors, assigns, or noming that I will execute all non-pro- applications, testify in any le	nees, any and all facts known to m ovisional, divisional, reissue, reexa gal proceedings, sign all lawful pa id Assignee, its successors, assigns	pense of Assignee, communicate to said Assignee, or its ne regarding said inventions whenever requested, and amination, continuation and continuation-in-part pers, make all rightful oaths, and generally do s, and nominees, to obtain and enforce proper patent		
INVENTOR/ASSIGNOR:				
Legal Name: Yudhish B	<u>atra</u>			
•		tal One Drive, McLean, Virginia 22102		
Signature: /	Yudhish Batra	7/14/2021 / Date:		