

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7800092

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NISHANT SRIVASTAVA	02/09/2023
ERIC K. BARNUM	02/07/2023
SURESH CHANDER RAMARAJ	02/09/2023
ERIC SMITH	02/06/2023
EARLE MICHAEL LEE	02/07/2023
KUMARI BHAWPRITA	02/09/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CAPITAL ONE SERVICES, LLC
<b>Street Address:</b>	1680 CAPITAL ONE DRIVE
<b>City:</b>	MCLEAN
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	22102
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	18149444
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)824-3001
<i>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.</i>	
<b>Phone:</b>	(202) 824-3000
<b>Email:</b>	bwptopat@bannerwitcoff.com, vvandeveerdonk@bannerwitcoff.com
<b>Correspondent Name:</b>	BANNER & WITCOFF, LTD.
<b>Address Line 1:</b>	1100 13TH ST. NW
<b>Address Line 2:</b>	STE 1200
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	009033.00475
<b>NAME OF SUBMITTER:</b>	CHRISTIAN LAFORGIA
<b>SIGNATURE:</b>	/Christian LaForgia/
<b>DATE SIGNED:</b>	02/16/2023

**Total Attachments: 6**

source=Combined Dec and Assignment 475 - Suresh Chander Ramaraj#page1.tif

source=Combined Dec and Assignment 475 - Nishant Srivastava#page1.tif

source=Combined Dec and Assignment 475 - Eric Smith#page1.tif

source=Combined Dec and Assignment 475 - Eric K. Barnum#page1.tif

source=Combined Dec and Assignment 475 - Earl Michael Lee#page1.tif

source=Combined Dec and Assignment 475 - Kumari Bhawprita#page1.tif

**COMBINED PATENT DECLARATION AND ASSIGNMENT****TITLE OF INVENTION:**REMOVING DUPLICATE TRANSACTIONS FROM A TRANSACTION  
EXCHANGE PLATFORM**DECLARATION**

As the below named inventor, I hereby declare that:

- This declaration is directed to: ☐ The attached application, or  
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number 18/149,444 filed on January 3, 2023.
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- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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**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. 18/149,444, filed January 3, 2023.

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**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: Suresh Chander RamarajAddress: c/o Capital One Services, LLC, 1680 Capital One Drive, McLean, Virginia 22102Signature: /*Suresh Chander Ramaraj*Date: 2/9/2023

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**INVENTOR/ASSIGNOR:**Legal Name: Nishant SrivastavaAddress: c/o Capital One Services, LLC, 1680 Capital One Drive, McLean, Virginia 22102Signature: / Nishant Srivastava / Date: 2/9/2023

**COMBINED PATENT DECLARATION AND ASSIGNMENT**

<b>TITLE OF INVENTION:</b>	REMOVING DUPLICATE TRANSACTIONS FROM A TRANSACTION EXCHANGE PLATFORM
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**INVENTOR/ASSIGNOR:**

Legal Name: Eric Smith

Address: c/o Capital One Services, LLC, 1680 Capital One Drive, McLean, Virginia 22102

Signature: /Eric Smith / Date: 2/6/2023

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**INVENTOR/ASSIGNOR:**Legal Name: Eric K. BarnumAddress: c/o Capital One Services, LLC, 1680 Capital One Drive, McLean, Virginia 22102Signature: /Eric BarnumDate: 2/7/2023

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**INVENTOR/ASSIGNOR:**Legal Name: Earle Michael LeeAddress: c/o Capital One Services, LLC, 1680 Capital One Drive, McLean, Virginia 22102Signature: /

DocuSigned by:  
*Earle Michael Lee*

Date: 2/7/2023

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**PATENT****RECORDED: 02/16/2023****REEL: 062717 FRAME: 0096**