

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7349691

|                                                                                                                                                                                                 |                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                    |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                        |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                   |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>             |
| ADAM BEAUREGARD                                                                                                                                                                                 | 05/23/2022                        |
| MICHAL HYRC                                                                                                                                                                                     | 05/23/2022                        |
| PETER GASPARE TERRANA                                                                                                                                                                           | 05/23/2022                        |
| VANNIA GONZALEZ MACIAS                                                                                                                                                                          | 05/23/2022                        |
| <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:                                                                                                                                                                             | 17824206                          |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                   |
| <b>Fax Number:</b>                                                                                                                                                                              | (206)359-9000                     |
| <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>                                                                                                                                                                                   | 2063598000                        |
| <b>Email:</b>                                                                                                                                                                                   | Patentprocurement@perkinscoie.com |
| <b>Correspondent Name:</b>                                                                                                                                                                      | PERKINS COIE LLP - CAPITAL ONE    |
| <b>Address Line 1:</b>                                                                                                                                                                          | P.O. BOX 1247                     |
| <b>Address Line 4:</b>                                                                                                                                                                          | SEATTLE, WASHINGTON 98111-1247    |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 144310-8783.US00                  |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | MIRIAM NELSEN AWAN                |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Miriam Nelsen Awan/              |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 05/25/2022                        |
| This document serves as an Oath/Declaration (37 CFR 1.63).                                                                                                                                      |                                   |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                   |
| source=144310-8783-US00_executedDec-Assignment#page1.tif                                                                                                                                        |                                   |



**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING  
AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **“AUTOMATIC SEGMENTATION USING HIERARCHICAL  
TIMESERIES ANALYSIS”**

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application(s).

The above-identified application(s) 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(s).

I have reviewed and understand the contents of the application(s), including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

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.

WHEREAS, the undersigned inventor(s) (hereinafter “Assignor”), has/have made an invention entitled **“AUTOMATIC SEGMENTATION USING HIERARCHICAL TIMESERIES ANALYSIS”** disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided in the header of this document, and

WHEREAS, **Capital One Services, LLC** (hereinafter “Assignee”), having 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 invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor and all rights to claim priority on the basis of said application; and I further grant to Assignee the sole right to sue and collect damages for past infringement;

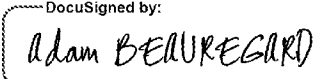
AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension, substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, 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, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee;

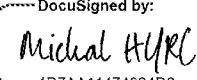
AND I HEREBY grant registered practitioners at Perkins Coie LLP, USPTO Customer No. 181787, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

1) Legal Name of Inventor: **Adam BEAUREGARD**

Signature:   
5403C92275AD451

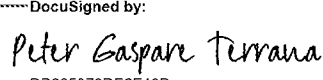
Date: May 23, 2022

2) Legal Name of Inventor: **Michal HYRC**

Signature:   
4D7AA11474024D6

Date: May 23, 2022

3) Legal Name of Inventor: **Peter Gaspare TERRANA**

Signature:   
DB685373DE2F46D

Date: May 23, 2022

4) Legal Name of Inventor: **Vannia GONZALEZ MACIAS**

Signature:   
659C03C2DE29444

Date: May 23, 2022