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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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EPAS ID: PAT5387670

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                     |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                         |
| <b>CONVEYING PARTY DATA</b>   |                                    |
| <b>Name</b>   | <b>Execution Date</b>              |
| BRIAN PAYTON BOMAN  | 12/19/2018                         |
| JEFF IRA CLEVELAND III  | 12/20/2018                         |
| <b>RECEIVING PARTY DATA</b>   |                                    |
| <b>Name:</b>  | SAS INSTITUTE INC.                 |
| <b>Street Address:</b>  | SAS CAMPUS DRIVE                   |
| <b>City:</b>  | CARY                               |
| <b>State/Country:</b>   | NORTH CAROLINA                     |
| <b>Postal Code:</b>   | 27513                              |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                    |
| <b>Property Type</b>  | <b>Number</b>                      |
| <b>Application Number:</b>  | 16233644                           |
| <b>CORRESPONDENCE DATA</b>  |                                    |
| <b>Fax Number:</b>  |                                    |
| <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>   | 919.636.4767                       |
| <b>Email:</b>   | sas@kdbfirm.com                    |
| <b>Correspondent Name:</b>  | KACVINSKY DAISAK BLUNI PLLC (1080) |
| <b>Address Line 1:</b>  | 430 DAVIS DRIVE                    |
| <b>Address Line 2:</b>  | SUITE 150                          |
| <b>Address Line 4:</b>  | MORRISVILLE, NORTH CAROLINA 27560  |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 1080.100056C8                      |
| <b>NAME OF SUBMITTER:</b>   | MICHELE FITZSIMMONS                |
| <b>SIGNATURE:</b>   | /Michele Fitzsimmons/              |
| <b>DATE SIGNED:</b>   | 02/22/2019                         |
| <b>Total Attachments: 3</b>   |                                    |
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| source=1080_100056C8_Assignment#page2.tif   |                                    |
| source=1080_100056C8_Assignment#page3.tif   |                                    |

**ASSIGNMENT**

WHEREAS, one or more inventions have been made by the undersigned in

**DISTRIBUTED DATA STORAGE GROUPING**

and are the subject of a patent application filed in the United States Patent and Trademark Office on \_\_\_\_\_ under Application Serial No. \_\_\_\_\_, which application is identified as Docket No. 1080.100056C8.

WHEREAS, SAS INSTITUTE INC., a North Carolina corporation, located and doing business at SAS Campus Drive, Cary, North Carolina 27513, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest in said inventions and patent rights therefor throughout the world.

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, THE UNDERSIGNED HEREBY SELLS, ASSIGNS, TRANSFERS, AND DELIVERS TO ASSIGNEE all right, title, and interest, in the United States and throughout the world, in said inventions and all patents, patent rights, patent applications, and inventor's certificates for said inventions, including without limitation said application for patent in the United States and all provisionals, divisions, continuations, continuations-in-part, and resulting patents, all right to sue for infringement or past infringement, and all patents and patent rights that may be granted for said inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary or desirable to secure for or vest in assignee, its successors or assigns, any invention right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Patent and Trademark Office is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in the patents, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in the patents.

The undersigned hereby grants the firm of Kacvinsky Daisak Bluni PLLC 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.

IN WITNESS WHEREOF, this Assignment has been executed below by the undersigned:

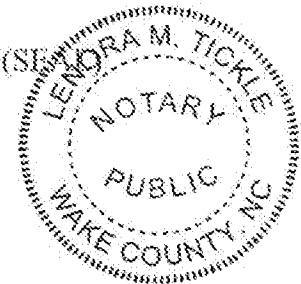
Brian Payton Bowman  
BRIAN PAYTON BOWMAN

12/19/18  
Date

Post Office Address: 123 Magnolia Breeze Court  
Apex, North Carolina 27502

STATE OF NORTH CAROLINA        }  
   }  
   } ss.  
COUNTY OF WAKE                   }


**BRIAN PAYTON BOWMAN** appeared before me this 19<sup>th</sup> day of December, 2018 and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.



Lenora M. Tickle  
Notary Public: Lenora M. Tickle

My Commission Expires: September 24, 2023

IN WITNESS WHEREOF, this Assignment has been executed below by the undersigned:

  
JEFF IRA CLEVELAND III

12/20/18  
Date

Post Office Address: 107 Canyon Run  
Cary, North Carolina 27513

STATE OF NORTH CAROLINA }  
 } ss.  
COUNTY OF WAKE }

JEFF IRA CLEVELAND III appeared before me this 20<sup>th</sup> day of December, 2018 and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.



Notary Public: Lenora M. Tickle

My Commission Expires: September 24, 2023

