

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4981601

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL JAMES LEONARD	05/24/2018
MACKLIN CARTER FRAZIER	05/24/2018
JIE ZHONG	05/24/2018
LI XU	05/24/2018
KYUNGDUCK CHA	05/24/2018
RAJENDRA SINGH SOLANKI	05/24/2018
RAJIB NATH	05/25/2018
<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>	15976052
<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>Email:</b>	akakoliris@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	TWO EMBARCADERO CENTER, SUITE 1900
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94111-3834
<b>ATTORNEY DOCKET NUMBER:</b>	094926-1061093-026210US
<b>NAME OF SUBMITTER:</b>	ATHENA KAKOLIRIS
<b>SIGNATURE:</b>	/Athena Kakoliris/
<b>DATE SIGNED:</b>	05/29/2018
<b>Total Attachments: 8</b>	

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source=Assignment\_10005711\_094926\_1061093#page8.tif

## ASSIGNMENT

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

### **INTERACTIVE GRAPHICAL USER-INTERFACE FOR ANALYZING AND MANIPULATING TIME-SERIES PROJECTIONS**

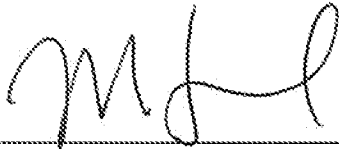
and are the subject of a patent application filed in the United States Patent and Trademark Office on May 10, 2018, under Application Serial No. 15/976,052, which application is identified as SAS Docket No. 10005711.

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 Kilpatrick Townsend & Stockton 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:



MICHAEL JAMES LEONARD

5/29/2018

Date

Post Office Address: 122 Southwold Drive  
Cary, North Carolina 27519

STATE OF NORTH CAROLINA

}

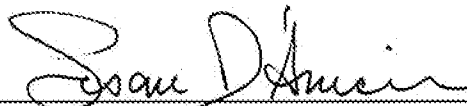
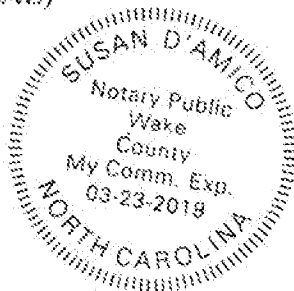
ss.

COUNTY OF WAKE

}

May **MICHAEL JAMES LEONARD** appeared before me this 24<sup>th</sup> day of May, 2018, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

(SEAL)



Notary Public: Susan D'Amico

My Commission Expires: March 23, 2019

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

  
MACKLIN CARTER-FRAZIER

5/24/18  
Date

Post Office Address: 5315 Collingswood Drive  
Raleigh, North Carolina 27609

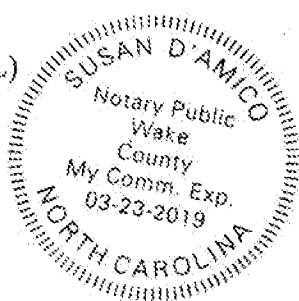
STATE OF NORTH CAROLINA

COUNTY OF WAKE

SS.

**MACKLIN FRAZIER** appeared before me this 24 day of May, 2018, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

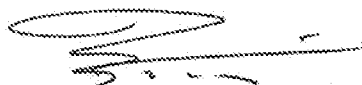
(SEAL)



Notary Public: Susan D'Amico

My Commission Expires: March 23, 2019

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



JIE ZHONG

5/24/18

Date

Post Office Address: 411 Euphoria Circle  
Cary, North Carolina 27519


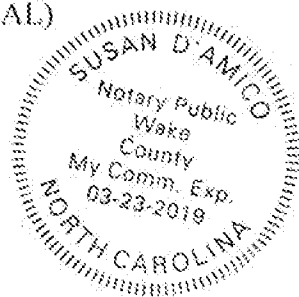
STATE OF NORTH CAROLINA

}  
} ss.  
}

COUNTY OF WAKE

JIE ZHONG appeared before me this 24<sup>th</sup> day of MAY, 2018, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

(SEAL)



Notary Public: Susan D'Amico

My Commission Expires: March 23, 2019

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

*Lixu*  
LI XU

5/24/2018  
Date

Post Office Address: 315 Greenfield Knoll  
Cary North Carolina 27519

STATE OF NORTH CAROLINA

COUNTY OF Wake

} ss.  
}

LI XU appeared before me this 24<sup>th</sup> day of May, 2018, and acknowledged that the foregoing instrument was executed as her free act and deed for the uses and purposes set forth therein.

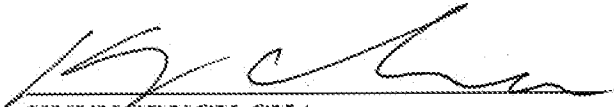
(SEAL)



*Susan D'Amico*  
Notary Public: Susan D'Amico

My Commission Expires: March 23, 2019

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

  
KYUNGDUCK CHA

05/24/2018  
Date

Post Office Address: 105 Java Court  
Cary, North Carolina 27519

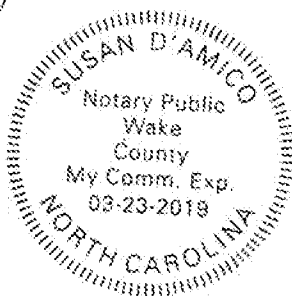
STATE OF NORTH CAROLINA

}  
}  
} ss.  
}

COUNTY OF WAKE

KYUNGDUCK CHA appeared before me this 24<sup>th</sup> day of May, 2018,  
and acknowledged that the foregoing instrument was executed as his free act and deed for the uses  
and purposes set forth therein.

(SEAL)



  
Notary Public: Susan D'Amico

My Commission Expires: March 23, 2019

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

Rajendra Singh Solanki

RAJENDRA SINGH SOLANKI

5/24/2018

Date

Post Office Address: 205 Kelly Springs Court  
Cary, North Carolina 27519

STATE OF NORTH CAROLINA

}

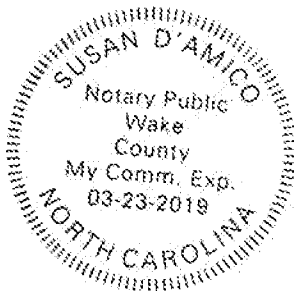
} ss.

COUNTY OF WAKE

}

RAJENDRA SINGH SOLANKI appeared before me this 24<sup>th</sup> day of MAY, 2018, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

(SEAL)



Susan D'Amico

Notary Public, Susan D'Amico

My Commission Expires: March 23, 2019

Attorney Docket Number: 094926-1061093-026210US  
SAS Docket Number: 10005711

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

Date: 25/05/2018

Rajib Nath  
**RAJIB NATH**  
D401, Jasminimum, Magarpatta City,  
Pune, Maharashtra - 411028  
India

**STATEMENT BY WITNESS**

I hereby declare that I was personally present and did see the above-named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: 25/05/2018

Javed Inamdar  
Signature

Javed Inamdar  
Printed Name

A1-103, Mont Vert Pristine, Bopodi, Pune - 411020, India  
(Address of Witness)

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