

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3967644

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GUY BLANC	07/14/2016
GEORGES H. GUIRGUIS	07/14/2016
XIANGQIAN HU	07/13/2016
GUIXIAN LIN	07/13/2016
SCOTT POPE	07/13/2016
RECEIVING PARTY DATA	
Name:	SAS INSTITUTE INC.
Street Address:	SAS CAMPUS DRIVE
City:	CARY
State/Country:	NORTH CAROLINA
Postal Code:	27513
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15212010
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	payoung@kilpatricktownsend.com
Correspondent Name:	KILPATRICK TOWNSEND & STOCKTON LLP
Address Line 1:	1100 PEACHTREE STREET
Address Line 2:	SUITE 2800
Address Line 4:	ATLANTA, GEORGIA 30309
ATTORNEY DOCKET NUMBER:	04926-007810US-0958927
NAME OF SUBMITTER:	PHOEBE YOUNG
SIGNATURE:	/Phoebe Young/
DATE SIGNED:	07/19/2016
Total Attachments: 7	
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ASSIGNMENT

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

SYSTEMS AND METHODS FOR QUANTILE DETERMINATION IN A DISTRIBUTED DATA SYSTEM USING SAMPLING

and are the subject of a patent application filed in the United States Patent and Trademark Office on July 19, 2016, under Application Serial No. 15/212,010, which application is identified as SAS Docket No. 5073811.

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.

SAS Patent

Attorney Docket Number: 094926-007810US-0958927
SAS Docket Number: 5073811

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

Guy Blanc
GUY BLANC

7/14/16
Date

Post Office Address: 531 Lasuen Mal
P.O. Box 14467
Stanford, California 94309

STATE OF CALIFORNIA

COUNTY OF _____

}
}
} ss.
}

GUY BLANC appeared before me this _____ day of July, 2016, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

(SEAL)

SEE ATTACHED CERTIFICATE
Notary Public (Signature)

Notary Public (Printed)

My Commission Expires: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of SANTA CLARA)

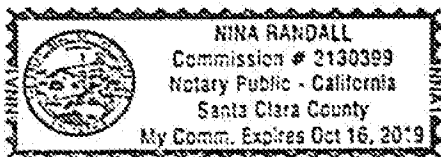
On JULY 14th 2016 before me, NINA RANDALL, NOTARY PUBLIC,
Date Here Insert Name and Title of the Officer

personally appeared GUY BLANC
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s/he) subscribed to the within instrument and acknowledged to me that (s/he) executed the same in (his/her/their) authorized capacity(ies), and that by (his/her/their) signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Nina Randall
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: SAS PATENT Document Date: _____
Number of Pages: 1 Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

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



GEORGES H. GUIRGUIS

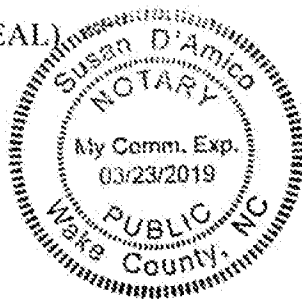
7/14/2016
Date

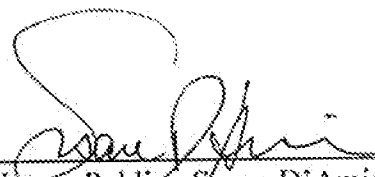
Post Office Address: 106 Widecombe Court
Cary, NC 27513

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

GEORGES H. GUIRGUIS appeared before me this 14th day of July, 2016, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

(SEAL)

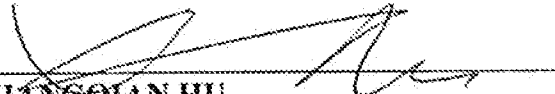




Notary Public: Susan D'Amico

My Commission Expires: March 23, 2019

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

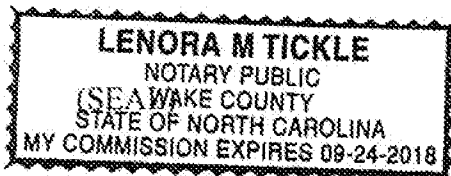

XIANGQIAN HU

07/13/16
Date

Post Office Address: 416 Westfalen Drive
Cary, North Carolina, 27519

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

XIANGQIAN HU appeared before me this 13th day of July, 2016, 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, 2018

7-13-2016

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



GUIXIAN LIN

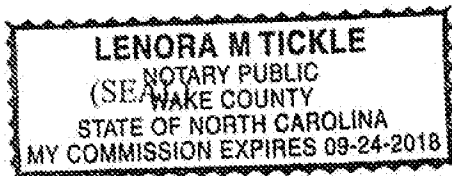
07/13/2016

Date

Post Office Address: 409 Westfalen Drive
Cary, North Carolina, 27519

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

GUIXIAN LIN appeared before me this 13th day of July, 2016, 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, 2018
7-13-2016

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

Scott Pope
SCOTT POPE

7-13-2016
Date

Post Office Address: 219 Tecumseh Court
Raleigh, NC 27607

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

SCOTT POPE appeared before me this 13th day of July, 2016, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.



Susan D'Amico
Notary Public: Susan D'Amico

My Commission Expires: March 23, 2019

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