

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3502283

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZHENG ZHAO	02/25/2015
JUN LIU	02/25/2015
JAMES ALLEN COX	02/25/2015
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:	14834365
CORRESPONDENCE DATA	
Fax Number:	(202)204-5622
<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>	
Phone:	202-639-4720
Email:	vward@kilpatricktownsend.com
Correspondent Name:	MATT KITCES
Address Line 1:	TWO EMBARCADERO CENTER, EIGHTH FLOOR
Address Line 4:	SAN FRANCISCO, CALIFORNIA 94111-3834
ATTORNEY DOCKET NUMBER:	94926-025600US-941077
NAME OF SUBMITTER:	MATTHEW T. KITCES
SIGNATURE:	/Matthew T. Kitces/
DATE SIGNED:	08/27/2015
Total Attachments: 4	
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ASSIGNMENT

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

**USING HEMISPHERE CONSTRAINTS TO IDENTIFY INACTIVE FEATURES FOR
ACCELERATING SPARSE SUPPORT VECTOR MACHINE TRAINING IN MODEL
SELECTION**

and are the subject of a patent application filed in the United States Patent and Trademark Office on March 24, 2015, under Application Serial No. 62/137,768, which application is identified as SAS Docket No. SAS-100030PP1-US.

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 SAS Institute Inc. 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:



ZHENG "ALAN" ZHAO

2-25-2015

Date

Post Office Address: 4024 Strendal Drive
Cary, North Carolina 27519

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

ZHENG "ALAN" ZHAO appeared before me this 25th day of February, 2015, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

Uneada M. Lester
Notary Public
Wake County
North Carolina



Notary Public: Uneada M. Lester

My Commission Expires: July 25, 2019

66722405V.1

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

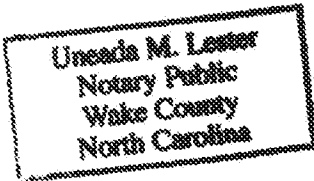
JUN LIU

2015 12/25
Date

Post Office Address: 506 Gallberry Drive
Cary, North Carolina 27519

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

JUN LIU appeared before me this 25th day of February, 2015, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

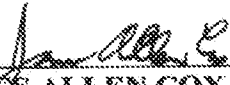


Uncada M. Lester

Notary Public: Uncada M. Lester

My Commission Expires: July 25, 2019

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



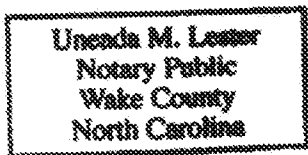
JAMES ALLEN COX

2-25-2015
Date

Post Office Address: 207 Battery Point Place
Cary, North Carolina 27513

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

JAMES ALLEN COX appeared before me this 25th day of February, 2015, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.





Notary Public: Uneada M. Lester

My Commission Expires: July 25, 2019