

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3260938

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS LEHMAN	05/24/2012
JODY POROWSKI	05/24/2012
BRUCE MONROE MILLS	05/29/2012
MICHAEL T. BROOKS	05/24/2012
HEATHER MICHELLE GOODYKOONTZ	05/24/2012
<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>	14592807
<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>	2065163082
<b>Email:</b>	kvanhee@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP SAS I
<b>Address Line 1:</b>	TWO EMBARCADERO CENTER
<b>Address Line 2:</b>	EIGHTH FLOOR
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94111
<b>ATTORNEY DOCKET NUMBER:</b>	94926-929336 (007510US)
<b>NAME OF SUBMITTER:</b>	KELSEY VANHEE
<b>SIGNATURE:</b>	/Kelsey Vanhee/
<b>DATE SIGNED:</b>	03/11/2015
<b>Total Attachments: 6</b>	

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## ASSIGNMENT

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

### **COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR MOOD STATE DETERMINATION**

and are the subject of a patent application filed in the United States Patent and Trademark Office herewith, which application is identified as Jones Day Docket No. **343355-600314**.

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 Jones Day 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:

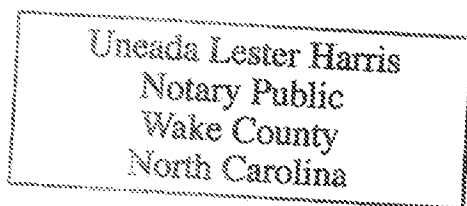
Thomas Lehman  
THOMAS LEHMAN

5/24/2012  
Date

Post Office Address: 909 Bonhurst Drive  
Holly Springs, NC 27540

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


THOMAS LEHMAN appeared before me this 24th day of May, 2012, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.



Uneada Lester Harris  
Notary Public: Uneada Lester Harris

My Commission Expires: July 25, 2014

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

  
\_\_\_\_\_  
**JODY POROWSKI**

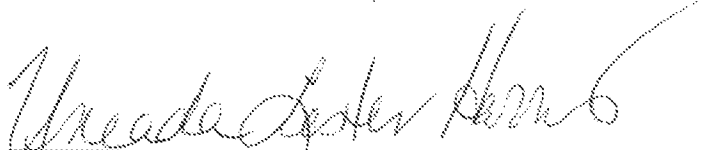
5/24/12  
Date

Post Office Address: 211 Compton Road  
Raleigh, NC 27609

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

**JODY POROWSKI** appeared before me this 24<sup>th</sup> day of May, 2012, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

Uneada Lester Harris  
Notary Public  
Wake County  
North Carolina

  
\_\_\_\_\_  
Notary Public: Uneada Lester Harris

My Commission Expires: July 25, 2014

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

  
\_\_\_\_\_  
**BRUCE MONROE MILLS**

5/29/12  
\_\_\_\_\_  
Date

Post Office Address: 614 Birch Circle  
Cary, NC 27511

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

**BRUCE MONROE MILLS** appeared before me this 29<sup>th</sup> day of May, 2012, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

Uneada Lester Harris  
Notary Public  
Wake County  
North Carolina

  
\_\_\_\_\_  
Notary Public: Uneada Lester Harris

My Commission Expires: July 25, 2014

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

*Michael T. Brooks*  
**MICHAEL T. BROOKS**

5-24-12  
Date

Post Office Address: 6614 Brookhollow Drive  
Raleigh, NC 27615

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

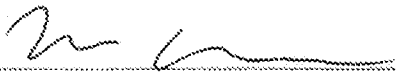
**MICHAEL T. BROOKS** appeared before me this 24th day of May, 2012, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

Uneada Lester Harris  
Notary Public  
Wake County  
North Carolina

*Uneada Lester Harris*  
Notary Public: Uneada Lester Harris

My Commission Expires: July 25, 2014

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

  
HEATHER MICHELLE GOODYKOONTZ

5-24-2012  
Date

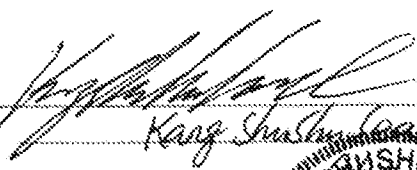
Post Office Address: 6501 Raceview Terrace  
Raleigh NC 27615

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

HEATHER MICHELLE GOODYKOONTZ appeared before me this 24 day of May, 2012, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

Notary Public

My Commission Expires:

  
Kang Shu

