502987258 09/23/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY	/ DATA			
		Name Exec	cution Date	
MICHAEL J. LEONARD		09/10/	/2014	
EDWARD TILDEN BLAIR		09/10/	/2014	
RECEIVING PARTY	DATA			
Name:	SAS INS	SAS INSTITUTE INC.		
Street Address:	SAS CA	SAS CAMPUS DRIVE		
City:	CARY	CARY		
State/Country:	NORTH	NORTH CAROLINA		
Postal Code:	27513			
Property Ty	pe	Number		
Application Number	pe :: 1	Number 14460673		
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ASSIGNMENT

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

IN-MEMORY TIME SERIES DATABASE AND PROCESSING IN A DISTRIBUTED ENVIRONMENT

and are the subject of a patent application filed in the United States Patent and Trademark Office on August 15, 2014, under Application Serial No. 14/460,673, which application is identified as SAS Docket No. 57416.

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 LLP 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:

2014 MICHAEL J. LEÓNARD Date

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

STATE OF NORTH CAROLINA

COUNTY OF WAKE

MICHAEL J. LEONARD appeared before me this $\frac{100}{1000}$ day of September, 2014, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes set forth therein.

} } ss.

2

Uneada M. Lester Notary Public Wake County North Carolina

Notary Public: Uneada M. Lester

My Commission Expires: July 25, 2019

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

EDWARD TILDEN BLAIR

<u>9/10/14</u>

Post Office Address: 305 E. Cornwall Rd. Cary, North Carolina 27511

STATE OF NORTH CAROLINA

COUNTY OF WAKE

} ss.

Notary Public: Uneada M. Lester

My Commission Expires: July 25, 2019

PATENT REEL: 033797 FRAME: 0201

Uneada M. Lester Notary Public Wake County North Carolina