505545768 06/26/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAHESH V. JOSHI	06/19/2019

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:	16433136

CORRESPONDENCE DATA

Fax Number: (608)661-3597

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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Correspondent Name: LINDA M. ANDERSON

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ATTORNEY DOCKET NUMBER:	04500-0085-02
NAME OF SUBMITTER:	LINDA M. ANDERSON
SIGNATURE:	/Linda M. Anderson/
DATE SIGNED:	06/26/2019

Total Attachments: 2

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PATENT 505545768 REEL: 049597 FRAME: 0953

ASSIGNMENT

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

TWO-STAGE DISTRIBUTED ESTIMATION SYSTEM

and are the subject of a patent application filed in the United States Patent and Trademark Office on June 6, 2019, under Application Serial No. 16/433,136, which application is identified as SAS Docket No. 100189-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 Bell and Manning LLC 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.

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PATENT REEL: 049597 FRAME: 0954

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

Notary Public: Susan D'Amico

purposes set forth therein.

RECORDED: 06/26/2019

(SEAL)

My Commission Expires: April 1, 2024

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