PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HENRY GABRIEL VICTOR BEQUET	08/06/2018
HUINA CHEN	08/06/2018
JUAN DU	08/14/2018

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:	16039949

CORRESPONDENCE DATA

Fax Number: (412)202-5017

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.

Phone: 919.636.4767

Email: mfitzsimmons@kdbfirm.com

KACVINSKY DAISAK BLUNI PLLC (1080) **Correspondent Name:**

Address Line 1: 430 DAVIS DRIVE

Address Line 2: **SUITE 150**

Address Line 4: MORRISVILLE, NORTH CAROLINA 27560

ATTORNEY DOCKET NUMBER:	1080.100074C9	
NAME OF SUBMITTER:	MICHELE FITZSIMMONS	
SIGNATURE:	/Michele Fitzsimmons/	
DATE SIGNED:	10/18/2018	

Total Attachments: 4

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PATENT REEL: 047871 FRAME: 0958 505147362

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PATENT REEL: 047871 FRAME: 0959

Attorney Docket Number: 1080.100074C9

ASSIGNMENT

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

AUTOMATED TRANSITION FROM NON-NEUROMORPHIC TO NEUROMORPHIC PROCESSING

and are the subject of a patent application filed in the United States Patent and Trademark Office on July 29, 2018, under Application Serial No. 16/039,949, which application is identified as Docket No. 1080.100074C9

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 Kacvinsky Daisak Bluni PLLC 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.

PATENT REEL: 047871 FRAME: 0960

Attorney Docket Number: 1080,100074C9

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

HENRY GABRIEL VICTOR BEQUET

Post Office Address: 102 Meadowstone Court

Cary, North Carolina 27513

STATE OF NORTH CAROLINA

COUNTY OF WAKE

HENRY GABRIEL VICTOR BEQUET appeared before me this August, 2018 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 Wake County North Carolina

Notary Public: Uneada M. Lester

My Commission Expires: July 25, 2019

Attorney Docket Number: 1080.100074C9

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

HUINA CHEN

Date

Post Office Address: 118 Camille Court

Chapel Hill, North Carolina 27516

STATE OF NORTH CAROLINA

COUNTY OF WAKE

88.

HUINA CHEN appeared before me this 440 day of August, 2018 and acknowledged that the foregoing instrument was executed as her 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

Attorney Docket Number: 1080.100074C9

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

1 Date S | 14 | 2018 | Date

Post Office Address: 106 Oxford Creek Road

Cary, North Carolina 27519

STATE OF NORTH CAROLINA

COUNTY OF WAKE

SS.

JUAN DU appeared before me this 17 day of August, 2018 and acknowledged that the foregoing instrument was executed as her 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

PATENT REEL: 047871 FRAME: 0963

RECORDED: 10/18/2018