PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AFSHIN OROOJLOOYJADID	02/16/2021
MOHAMMADREZA NAZARI	02/16/2021
DAVOOD HAJINEZHAD	02/16/2021
JORGE MANUEL GOMES DA SILVA	02/16/2021

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:	17177694

CORRESPONDENCE DATA

Fax Number: (919)854-2084

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) 854-1844

eofficeaction@appcoll.com, docketing@coatsandbennett.com, Email:

vhawkins@coatsandbennett.com

Correspondent Name: COATS & BENNETT, PLLC/SAS INSTITUTE INC.

Address Line 1: 1400 CRESCENT GREEN

Address Line 2: SUITE 300

Address Line 4: CARY, NORTH CAROLINA 27518

ATTORNEY DOCKET NUMBER:	7700-031 / SAS-100270	
NAME OF SUBMITTER:	BRANDEE N. WOOLARD	
SIGNATURE:	/Brandee N. Woolard/	
DATE SIGNED:	02/17/2021	

Total Attachments: 3

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PATENT REEL: 055296 FRAME: 0811

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SAS Docket Number: SAS-100270 Coats & Bennett Ref. No.: 7700-031

ASSIGNMENT

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

UNIVERSAL ATTENTION-BASED REINFORCEMENT LEARNING MODEL FOR CONTROL SYSTEMS

and are the subject of a patent application filed in the United States Patent and Trademark Office on February 17, 2021, under Application Serial No. 17/177694 which application is identified as SAS Docket No. SAS-100270 and Coats & Bennett Ref. No.: 7700-031.

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 Coats & Bennett, 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.

SAS Docket Number: SAS-100270 Coats & Bennett Ref. No.: 7700-031

IN WITNESS WHEREOF, this Assignment has been executed below by the undersigned: /Afshin Oroojlooyjadid/ 02/16/2021 AFSHIN OROOJLOOYJADID Date Post Office Address: 104 Chesapeake Ridge Lane, Apt 3D North East, Maryland, 21901 MOHAMMADREZA NAZARI Date Post Office Address: 302 S 1st Street, Apartment 408 Champaign, Illinois 61820 DAVOOD HAJINEZHAD Date Post Office Address: 404 Byrams Ford Drive Cary, North Carolina 27513 JORGE MANUEL GOMES DA SILVA Date Post Office Address: 2503 W Woodrow Street

Durham, North Carolina 27705

SAS Docket Number: SAS-100270 Coats & Bennett Ref. No.: 7700-031

IN WITNESS WHER	REOF, this Assignment has been	en executed below by the undersigned:
AFSHIN OROOJI	OOYJADID	Date
Post Office Address:	104 Chesapeake Ridge Lane, North East, Maryland, 21901	Apt 3D
/Mohammadreza Naza		02/16/2021 Date
	302 S 1st Street, Apartment 4	
1 Ost Office Address.	Champaign, Illinois 61820	VV0
/Davood Hajinezhad/		02/16/2021
DAVOOD HAJINI	EZHAD	Date
Post Office Address:	404 Byrams Ford Drive Cary, North Carolina 27513	
/Jorge Manuel Gomes		02/16/2021
JORGE MANUEL	GOMES DA SILVA	Date
Post Office Address	2503 W Woodrow Street	

Durham, North Carolina 27705

RECORDED: 02/17/2021