

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SIN-MIN CHANG	05/13/2021
ANSHUMAN NARAYAN	05/12/2021
JISHNU BHATTACHARYYA	05/12/2021
PRADEEP K. BANERJEE	05/12/2021
RATHI DASGUPTA	05/12/2021
RECEIVING PARTY DATA	
Name:	DATA-CORE SYSTEMS, INC.
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State/Country:	PENNSYLVANIA
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PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	63024103
Application Number:	17318083
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NAME OF SUBMITTER:	JEFFREY P. ARMSTRONG
SIGNATURE:	/Jeffrey P. Armstrong/
DATE SIGNED:	03/24/2023
Total Attachments: 2	

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PATENT ASSIGNMENT

Inventors: Sin-Min Chang; Anshuman Naravan; Jishnu Bhattacharvya; Pradeep K. Banerjee; and Rathi Dasgupta

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to

DATA-CORE SYSTEMS, INC.

a Delaware Corporation with a principal place of business at 1500 John F Kennedy Blvd # 624, Philadelphia, PA 19102, and its successors and assigns, the entire right, title and interest in the invention and/or improvements of the undersigned disclosed in the following patent applications, effective as of their corresponding filing dates:

Application No.	Filing Date	Title
63/024,103	13-May-2020	Implementing Differential Testing with Topic Modeling for Machine Learning Systems
17/318,083	12-May-2021	Synthesizing Data based on Topic Modeling for Training and Testing Machine Learning Systems

and in said applications and any and all other applications, both United States and foreign, which the undersigned and/or assignee may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

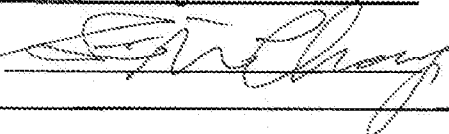
The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the

undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Inventor: Sin-Min Chang

Inventor's signature



Date: 5/17/2021

Inventor: Anshuman Narayan

Inventor's signature



Date: 5/12/21

Inventor: Jishnu Bhattacharyya

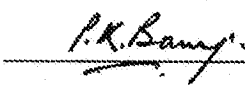
Inventor's signature



Date: 5/12/21

Inventor: Pradeep K. Banerjee

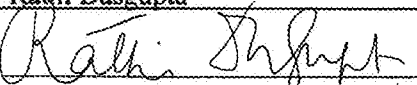
Inventor's signature



Date: 05/12/2021

Inventor: Rathi Dasgupta

Inventor's signature



Date: 5/12/21