PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7182126

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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ALLA ABDELLA	12/16/2021

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	17550509
Application Number:	63159804
Application Number:	63199199

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	173738.02420
NAME OF SUBMITTER:	THERESA M. DOTY
SIGNATURE:	/Theresa M. Doty/
DATE SIGNED:	02/17/2022

Total Attachments: 4

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PATENT 507135284 REEL: 059036 FRAME: 0331

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PATENT REEL: 059036 FRAME: 0332

ASSIGNMENT

WHEREAS, we, the undersigned inventors, having our residences as set forth below, hereinafter referred to as "ASSIGNORS," have invented a certain new invention for:

REPRESENTATION AND VISUALIZATION OF MULTIVARIATE SENSORY TIME SERIES DATA

Is executed concurrently herewith for filing in the United States Patent and Trademark Office and has been assigned Application Serial No. ______ with a filing date of ______;

Was previously filed in the United States Patent and Trademark office on December 14, 2021, as Application Serial No. 17/550,509, on March 11, 2021, as Application Serial No. 63/159,804, and on December 14, 2020, as Application Serial No. 63/199,199,; and/or

Is a United States Application of PCT International Application No. ______

filed ______.

(The undersigned hereby grants to the attorneys of Quarles & Brady LLP and University

of South Florida the power to insert on this assignment any identification that 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, including but not limited to the application number and filing date, if not already provided in this document.)

WHEREAS, University of South Florida, hereinafter referred to as "ASSIGNEE", a public university of the State of Florida, with its principal place of business at 3802 Spectrum Blvd., Suite 100, Tampa, FL, 33612-9220, USA, is desirous of acquiring ASSIGNORS' entire right, title and interest in and to said invention, improvements, application and any Letters Patents which may be granted therefor or thereupon in any country, together with any and all non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof in all countries throughout the world;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration by ASSIGNEE to ASSIGNORS, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention, improvements, and in and to said application and any Letters Patents which may be granted therefor or thereupon, together with any and all non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, and ASSIGNORS authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for or upon said invention or applications, or patents resulting therefrom, insofar as my interest is concerned, unto ASSIGNEE in accordance with this Assignment. To the extent applicable, ASSIGNORS also hereby assign to ASSIGNEE, its successors and assigns, all right, title and interest to sue third

Assignment – page 1 of 4

JOINT ASSIGNMENT

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parties for any past, present or future infringement, and to collect all damages relating thereto, of all Letters Patents assigned herein.

ASSIGNORS also assign to ASSIGNEE, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in ASSIGNEE.

ASSIGNORS will communicate to ASSIGNEE, its successors and assigns or their representatives, any facts known to us respecting said invention and improvements; and, at the expense of ASSIGNEE, ASSIGNORS will fully cooperate in any legal proceedings, including any proceeding within the United States Patent and Trademark Office or other Patent Office anywhere in the world, relating thereto, sign all lawful papers, execute all non-provisional, divisional, continuing, continuations-in-part, reissue and substitute applications, make all rightful oaths and declarations, and, in addition, execute any and all documents required to vest title in ASSIGNEE and to aid ASSIGNEE to obtain and enforce proper protection for said invention in all countries.

ASSIGNORS covenant that ASSIGNORS have the full right to convey the interest assigned by this Assignment, and that ASSIGNORS have not executed and will not execute any agreement in conflict with this Assignment.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Assignment – page 2 of 4

JOINT ASSIGNMENT

NAME OF SOLE OR FIRST INVENTOR:					
Given Name (first and middle[if any])		Family Na	Family Name or Surname		
Ismail U			Uysal	Uysal	
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Assignment – page 3 of 4

JOINT ASSIGNMENT

NAME OF ADDITIONAL JOINT INVENTOR, if any:					
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Assignment – page 4 of 4

RECORDED: 02/17/2022