507215490 04/05/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7262340

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHANAKA KAPILA KUMARA IHALA GAMARALALAGE	04/20/2021

RECEIVING PARTY DATA

Name:	UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16412548

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ATTORNEY DOCKET NUMBER:	4018.1 (UTRF)
NAME OF SUBMITTER:	KAREN E. VANCE
SIGNATURE:	/KE Vance/
DATE SIGNED:	04/05/2022

Total Attachments: 4

source=4018.1 UTRF Assignment for EPAS#page1.tif source=4018.1 UTRF Assignment for EPAS#page2.tif source=4018.1 UTRF Assignment for EPAS#page3.tif source=4018.1 UTRF Assignment for EPAS#page4.tif

507215490 PATENT REEL: 059499 FRAME: 0257

RECORDATION FO	ORM COVER SHEET	
PATENT	S ONLY	
To the Director of the U.S. Patent and Trademark Office: Pleas	se record the attached documents or the new address(es) below	' .
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	
Chanaka Kapila Kumara Ihala Gamaralalage	Name: University of Tennessee Research Foundation	_
	Internal Address:	
Additional name(s) of conveying party(ies) attached? Yes No. 3. Nature of conveyance/Execution Date(s): Execution Date(s) 04/20/2021 Assignment Merger Security Agreement Change of Name Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(s): This A. Patent Application No.(s)	Street Address: 600 Henley Street, Suite 211 City: Knoxville State: TN Country: USA Zip:37996-4122 Additional name(s) & address(es) attached? Yes document is being filed together with a new applicat B. Patent No.(s)	
Additional numbers at 5. Name and address to whom correspondence	tached? Yes No 6. Total number of applications and patents	
concerning document should be mailed:	involved: 1	
Name: Edna I. Gergel	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: UT-Battelle, LLC	Authorized to be charged by credit card	
Street Address: One Bethel Valley Road 4500N, MS-6258	Authorized to be charged to deposit account Enclosed None required (government interest not affecting	title)
City: Oak Ridge	8. Payment Information	
State: TN Zip:37831-6258	a. Credit Card Last 4 Numbers Expiration Date	
Phone Number: (865) 574-0393	b. Deposit Account Number 13-1958	
Fax Number: (865) 574-0381		
Email Address: gergelei@ornl.gov	Authorized User Name Karen E. Vance	
9. Signature: /Edna I. Gergel/ Signature Edna I. Gergel, Reg. No. 50819	04/05/2022 Date Total number of pages including cover	4
Name of Person Signing	sheet, attachments, and documents:	⁻

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

REEL: 059499 FRAME: 0258

ASSIGNMENT

WHEREAS, I the below-named inventor whose residence and post office is stated below, have invented certain new and useful improvements in;

HEREBY sell, assign and transfer to the University of Tennessee Research Foundation (UTRF), a non-profit corporation of Tennessee having a place of business at 600 Henley Street, Suite 211, Knoxville, Tennessee 37996, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent which has been executed by the undersigned concurrently herewith, and which is entitled

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and in and to said application and all divisional, continuation, substitute, renewal, reissue, and other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements, including the right to claim in other countries the right of priority of any of said applications under the (Paris) International Convention; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

AGREE THAT said Assignee may apply for and receive Letters Patent for said improvements in its own name, and that when requested, without charge to but at the legal expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuation, substitute, renewal, reissue, and all other patent applications on any and all said improvements, execute all rightful oaths, Assignments, Powers of Attorney and other papers, communicate to said Assignee, its successors, assigns and all legal representatives, all facts known to the undersigned relating to said improvements and the history thereof and generally do everything possible which said Assignee, its successors, assigns and legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives;

COVENANT WITH said Assignee, its successors, assigns and legal representatives that no Assignment, grant, mortgage, license or other Agreement affecting the rights and property herein conveyed have been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned; and

AUTHORIZE Assignee, its employees, its successors, assigns and all legal representatives to enter in the blank spaces provided below the Serial Number an filing date of the United States Patent Application to which this document applies, when that information becomes known.

PATENT REEL: 059499 FRAME: 0259

Docket No. 4018.1

Patent Application Serial Number: 16/412,548

Patent Application Filing Date: May 15, 2019

PATENT REEL: 059499 FRAME: 0260

Docket No. 4018.1

Name of Inventor: Chanaka Kapila Kumara Ihala Gamaralalage			
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PATENT REEL: 059499 FRAME: 0261

RECORDED: 04/05/2022