

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAYAKAR PENUMADU	11/08/2019
MATTHEW ERICH KANT	11/14/2019
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PROPERTY NUMBERS Total: 1	
Property Type	Number
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DATE SIGNED:	11/21/2019
Total Attachments: 3	
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PATENT

Attv. Docket No. : 1306/125/2

ASSIGNMENT

WHEREAS, we, Dayakar Perumadu of Knoxville, Tennessee; and Matthew Erich Kant of Knoxville, Tennessee (hereinafter "Assignors"), have invented certain new and useful improvements in FIBER AND BUNDLE ORIENTATIONS, MATRIX RICH REGIONS, AND MECHANICAL PROPERTIES OF FIBER REINFORCED COMPOSITES USING THERMAL DIGITAL IMAGE CORRELATION (hereinafter "Invention") for which application for a U.S. Patent was made on September 5, 2019 as Application Serial No. 16/562,108 (hereinafter "Application"), and claims priority to United States Provisional Patent Application No. 62/727,060 filed September 5, 2018.

AND, WHEREAS, University of Tennessee Research Foundation, a corporation duly organized and existing under the laws of the state of Tennessee, having its principal office and place of business at 600 Henley Street, UT Conference Center, Suite 211, Knoxville, Tennessee 37996 (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the Assignee, its successors and assigns, their entire right, title and interest in and to the Invention and Application, and in and to any and all U.S. and foreign patent applications filed on the Invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Patents of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon (hereinafter, "Patents"), for the full end of the term for which said Patents may be granted, together with their right to claim the priority of the Application in all countries in accordance with the Paris Convention, the Patent Cooperation Treaty, or other agreement or national law under which priority can be claimed, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made. It is expressly agreed by Assignors and Assignee that this Assignment fully

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conveys and transfers from Assignors to Assignee the right to sue for any and all patent infringement occurring prior to the date of this Assignment.

Assignors hereby request that said Patents be issued in accordance with this Assignment.

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess the unencumbered right and authority to make this Assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to the Invention, to testify and/or assist as requested by the Assignee in any interference or legal proceedings involving the Application, Patents, or Invention, including cooperating in any enforcement proceedings involving the Application, Patents, or Invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the Invention in all countries and to vest in the Assignee complete title to the Invention and Patents, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 8th day of November 2019.

Dayakar Pennumadu
Dayakar Pennumadu

Witnessed by:

Lisa Smith 11/8/19
Name Date

Subby Narayana 11/8/19
Name Date

Executed this 14 day of November 2019.

Matthew Erich Kant
Matthew Erich Kant

Witnessed by:

Zachary Cook Nov. 14, 2019
Name Date

[Signature] 11-14-19
Name Date
