

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	1

CONVEYING PARTY DATA

Name	Execution Date
PATRICK E. HOPKINS	05/06/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14694171
Application Number:	61984373

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ATTORNEY DOCKET NUMBER:	N61824 1370US.1 (0169.1)
NAME OF SUBMITTER:	RYAN W. CAGLE
SIGNATURE:	/ryan w. cagle/
DATE SIGNED:	04/23/2015

Total Attachments: 2

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ASSIGNMENT

WHEREAS, I, **Patrick E. Hopkins**, (the "Assignor"), have made an invention entitled

"FLEXIBLE THERMOELECTRIC DEVICES, METHODS OF PREPARATION THEREOF, AND METHODS OF RECOVERING WASTE HEAT THEREWITH"

described in U.S. Provisional Patent Application Serial No. 61/984,373 filed April 25, 2014, and any subsequent patent applications claiming priority thereto; and

WHEREAS, the **University of Virginia**, Varsity Hall, 136 Hospital Drive, P. O. Box 400301, Charlottesville, Virginia 22904-4301 (the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, including any tangible materials embodied in or encompassed by the invention and any trade secrets pertaining to the invention, and any improvements thereon, (the "Invention") and in and to said applications for Letters Patent thereon in the United States, its territories and possessions ("United States") and all foreign countries, including rights to claim priority, to any provisional applications, and in and to any Letters Patent of the United States or any foreign country which may be granted therefor, including any and all reissues, divisions, continuations, continuations-in-part, renewals, substitutes or extensions thereof (the "Rights");

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and conveyed, and does hereby sell, assign, transfer and convey to Assignee, its successors and assigns, the entire right, title and interest in and to the aforesaid Invention and Rights, except that Assignee hereby grants back to the Assignor a royalty free non-transferable license to make and use the Invention under the Rights for educational and research purposes, only. If applicable, nothing herein shall be construed to affect or limit any pre-existing royalty-free rights required to be granted to the U.S. Government pursuant to 37 CFR part 401. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignor if this sale and assignment had not been made;

AND Assignor hereby authorizes and requests the appropriate governmental officials to issue any and all such United States or foreign Letters Patent under said invention, or resulting from any of said applications thereof, to the Assignee, as the assignee of the entire right, title and interest in and to the same;

AND Assignor hereby represents, warrants and covenants that it has the full right to convey the entire interest herein assigned, that its has not executed and will not

execute any instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

AND Assignor further covenants and agrees that Assignor will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel for said Assignee, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in said Assignee, its successors and assigns the entire right, title and interest in and to said Invention and Rights hereby sold, assigned, transferred and conveyed, and that Assignor will sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension of said application for Letters Patent or any resulting Letters Patent;

AND Assignor further covenants and agrees that Assignor will at any time upon request communicate to the Assignee, its successors, assigns or other legal representatives any facts relating to the aforesaid invention known to it, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

IN WITNESS WHEREOF, Assignor has hereunto set their hand and seal.

Signature of Inventor / Date of Execution: Patrick E. Hopkins 5/6/14
Inventor's Name: Patrick E. Hopkins, U.S. Citizen
Inventor's Resident Address: 1120 Elliott Ave.
Charlottesville, VA 22902

Place of Execution: Charlottesville, VA

CITY OF CHARLOTTESVILLE)
) ss:
COMMONWEALTH OF VIRGINIA)

On this 6th day of May, 2014, before me, a Notary Public in and for the Commonwealth of Virginia, at large, personally appeared Patrick E. Hopkins, known to me (or proven by evidence of satisfactory identification) to be the person described in and who executed the foregoing instrument and acknowledged the same to be of their free act and deed for the uses and purposes therein set forth.

Crystal Canada Ballie [signature, please print name below]

Notary Public, my commission expires on 1/31/2015

