

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHANE FREDRICK MILLER-TAIT	08/12/2020
GERALD FLOYD CUMMINGS	08/12/2020
RECEIVING PARTY DATA	
Name:	KARDIUM INC.
Street Address:	8518 GLENLYON PARKWAY, SUITE 155
City:	BURNABY, BC
State/Country:	CANADA
Postal Code:	V5J 0B6
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17399381
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	KARD-0048US1
NAME OF SUBMITTER:	KARIM B. SOSA
SIGNATURE:	/Karim B. Sosa/
DATE SIGNED:	08/11/2021
Total Attachments: 10	
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ASSIGNMENT

WHEREAS, WE ("ASSIGNOR"),

Shane Fredrick Miller-Tait residing at 3533 Princess Avenue, North Vancouver, BC, V7N 2E4, Canada; and

Gerald Floyd Cummings residing at 239 April Road, Port Moody, BC, V3H 3V3, Canada,

have invented, developed, and/or have rights in the invention(s) ("THE INVENTION(S)") disclosed in:

(1) United States Provisional Patent Application titled, "SYSTEMS AND METHODS FOR TREATING TISSUE WITH PULSED FIELD ABLATION", executed by us, for which we are inventors, and having Attorney Docket No. KARD-0048PRV1 (the "Patent Application");

AND WHEREAS KARDIUM INC. ("ASSIGNEE"), a Canadian corporation having a place of business at 8518 Glenlyon Parkway, Suite 155, Burnaby, BC, V5J 0B6, Canada, desires to acquire and hereby accepts acquisition of the entire right, title, and interest in and to THE INVENTION(S) and the Patent Application;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) in hand, other good and valuable consideration, or both the sum of one dollar (\$1.00) in hand and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer, and set over to ASSIGNEE the entire right, title, and interest in and to THE INVENTION(S) and the Patent Application and all existing and future patents and patent applications claiming priority to, benefit of, or both priority to and benefit of the Patent Application including divisions, continuations, and continuations-in-part thereof and all reissues, reexaminations, and extensions thereof including U.S. non-provisional and Patent Cooperation Treaty ("PCT") applications and national and regional applications based on one or more U.S. non-provisional or PCT applications, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, registrations, inventor's certificates, and the like) heretofore or hereafter filed for THE INVENTION(S) in any country or countries including national and regional applications based on one or more PCT applications, and all patents (including all extensions, renewals, and reissues thereof) granted for THE INVENTION(S) or the Patent Application in any country or countries;

AND WE HEREBY authorize and request any official whose duty it is to issue patents to issue any patent on THE INVENTION(S), the Patent Application, or resulting therefrom to and in the name of ASSIGNEE or its successors, assigns, or nominees;

AND WE HEREBY covenant that we have full right to convey the entire right, title, and interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that, without further consideration, we will communicate to ASSIGNEE or its successors, assigns, or nominees any facts known to us respecting THE INVENTION(S) and the Patent Application, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, reexamination, reissue, U.S. non-provisional, PCT, PCT-based, national, and regional patent applications, make all rightful oaths, and generally do everything possible to aid ASSIGNEE, its successors, assigns, or nominees to obtain and enforce proper patent protection for THE INVENTION(S) and the Patent Application in all countries.

DEFINITIONS: The phrase "and/or", as used in this Assignment, means one or more of the items associated with such phrase. For example, the phrase 'A and/or B' means 'A, B, or both A and B'. For another example,


the phrase 'A, B, and/or C' means 'A, B, C, (A and B), (B and C), (A and C), or (A, B, and C)'. In addition, unless otherwise required by context, the term "or" is used in this Assignment in a non-exclusive sense.

--- SIGNATURES BEGIN ON NEXT PAGE ---

In testimony whereof, I hereunto set my hand this 12 day of August, 2020.

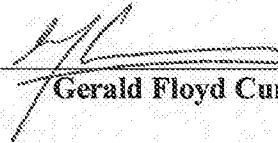

Shane Fredrick Miller-Tait

DWAYNE BRANDT
Printed Name of Witness


Signature of Witness

12 Aug 2020
Date

In testimony whereof, I hereunto set my hand this 12th day of August, 2020.



Gerald Floyd Cummings

JANICE KERSSENS

Printed Name of Witness



Signature of Witness

Aug 12, 2020

Date

The ASSUNILE hereby agrees to and accepts this Assignment and all accompanying rights and obligations.

Department of Management
 University of North Carolina
 Chapel Hill, NC 27515

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[illegible]

ASSIGNMENT AMENDMENT

WHEREAS, WE (“ASSIGNOR”),

Shane Fredrick Miller-Tait now residing at 31 - 3939 Indian River Drive, North Vancouver, BC, V7G 2P5, Canada; and

Gerald Floyd Cummings residing at 239 April Road, Port Moody, BC, V3H 3V3, Canada,

have executed an assignment (the “Assignment”) bearing Attorney Docket No. KARD-0048PRV1 on August 12, 2020,

AND WE hereby amend the Assignment as follows at least to update the residence address of Shane Fredrick Miller-Tait, to include the application number of the United States Provisional Application cited therein, and to refer to a U.S. Non-Provisional Application that claims priority to such United States Provisional Application:

- a) the paragraph beginning, “**WHEREAS, WE**” and ending in, “(the “Patent Application”);” on page 1 of the Assignment is amended to read as follows:

--WHEREAS, WE (“ASSIGNOR”),

Shane Fredrick Miller-Tait residing at 31 - 3939 Indian River Drive, North Vancouver, BC, V7G 2P5, Canada; and

Gerald Floyd Cummings residing at 239 April Road, Port Moody, BC, V3H 3V3, Canada,

have invented, developed, and/or have rights in the invention(s) (“THE INVENTION(S)”) disclosed in:

(1) United States Provisional Patent Application No. 63/065,714, filed August 14, 2020, titled “SYSTEMS AND METHODS FOR TREATING TISSUE WITH PULSED FIELD ABLATION”, identifying us as inventors, and having Attorney Docket No. KARD-0048PRV1; and

(2) U.S. Non-Provisional Patent Application titled “SYSTEMS AND METHODS FOR TREATING TISSUE WITH PULSED FIELD ABLATION”, identifying us as inventors, and claiming priority to United States Provisional Patent Application No. 63/065,714, filed August 14, 2020,

(collectively the “Patent Applications”)--;

- b) the paragraph beginning, “**AND WHEREAS KARDIUM INC.**” and ending in, “and the Patent Application;” on page 1 of the Assignment is amended to read as follows:

--AND WHEREAS KARDIUM INC. (“ASSIGNEE”), a Canadian corporation having a place of business at Suite 155 - 8518 Glenlyon Parkway, Burnaby, BC V5J 0B6, Canada, desires to acquire and hereby accepts acquisition of the entire right, title, and interest in and to THE INVENTION(S) and the Patent Applications;--;

- c) the paragraph beginning, “**NOW, THEREFORE**” and ending in, “any country or countries;” on page 1 of the Assignment is amended to read as follows:

--**NOW, THEREFORE**, in consideration of the sum of one dollar (\$1.00) in hand, other good and valuable consideration, or both the sum of one dollar (\$1.00) in hand and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer, and set over to ASSIGNEE the entire right, title, and interest in and to THE INVENTION(S) and the Patent Applications and all existing and future patents and patent applications claiming priority to, benefit of, or both priority to and benefit of one or more of the Patent Applications including divisions, continuations, and continuations-in-part thereof and all reissues, reexaminations, and extensions thereof including U.S. non-provisional and Patent Cooperation Treaty (“PCT”) applications and national and regional applications based on one or more U.S. non-provisional or PCT applications, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, registrations, inventor’s certificates, and the like) heretofore or hereafter filed for THE INVENTION(S) in any country or countries including national and regional applications based on one or more PCT applications, and all patents (including all extensions, renewals, and reissues thereof) granted for THE INVENTION(S) or one or more of the Patent Applications in any country or countries;--;

- d) the paragraph beginning, “**AND WE HEREBY**” and ending in, “or nominees;” on page 1 of the Assignment is amended to read as follows:

--**AND WE HEREBY** authorize and request any official whose duty it is to issue patents to issue any patent on THE INVENTION(S), one or more of the Patent Applications, or resulting therefrom to and in the name of ASSIGNEE or its successors, assigns, or nominees;--; and

- e) the paragraph beginning, “**AND WE HEREBY**” and ending in, “in all countries.” on page 1 of the Assignment is amended to read as follows:

--**AND WE HEREBY** further covenant and agree that, without further consideration, we will communicate to ASSIGNEE or its successors, assigns, or nominees any facts known to us respecting THE INVENTION(S) and the Patent Applications, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, reexamination, reissue, U.S. non-provisional, PCT, PCT-based, national, and regional patent applications, make all rightful oaths, and generally do everything possible to aid ASSIGNEE , its successors, assigns, or nominees to obtain and enforce proper patent protection for THE INVENTION(S) and the Patent Applications in all countries.--.

--- SIGNATURES BEGIN ON NEXT PAGE ---

In testimony whereof, I hereunto set my hand this 9th day of August, 2021.


Shane Fredrick Miller-Tait
Shane Fredrick Miller-Tait

Rosemary Miller-Tait
Printed Name of Witness

Rosemary Miller-Tait
Signature of Witness

August 9, 2021
Date

In testimony whereof, I hereunto set my hand this 9th day of AUGUST, 2021.


Gerald Floyd Cummings

DWAYNE BRANDT
Printed Name of Witness


Signature of Witness

Aug 9 2021
Date

The ASSIGNEE hereby agrees to and accepts the Assignment, this Assignment Amendment, and all accompanying rights and obligations.

On behalf of the ASSIGNEE, in testimony whereof,

I hereunto set my hand this 10 day of August, 2021.



Kevin Chaplin for ASSIGNEE
Chief Executive Officer
KARDIUM INC.

Robin Chaplin

Printed Name of Witness



Signature of Witness

10 August 2021

Date