505964080 03/12/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
DAVID WHITCOMB	12/13/2019

RECEIVING PARTY DATA

Name:	ARIEL PRECISION MEDICINE, INC.	
Street Address:	5750 CENTRE AVENUE	
Internal Address:	SUITE 270	
City:	PITTSBURGH	
State/Country:	PENNSYLVANIA	
Postal Code:	15206	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16700014

CORRESPONDENCE DATA

Fax Number: (412)454-5060

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.

Phone: (412) 454-5000

Email:docketingpgh@pepperlaw.comCorrespondent Name:PEPPER HAMILTON LLPAddress Line 1:501 GRANT STREET

Address Line 2: SUITE 300

Address Line 4: PITTSBURGH, PENNSYLVANIA 15219-4429

ATTORNEY DOCKET NUMBER:	146945.00101	
NAME OF SUBMITTER:	CHARLES J. VRSCAK, JR.	
SIGNATURE:	/Charles J. Vrscak, Jr./	
DATE SIGNED:	03/12/2020	

Total Attachments: 5

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PATENT 505964080 REEL: 052096 FRAME: 0308

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PATENT REEL: 052096 FRAME: 0309

ASSIGNMENT

WHEREAS, I, DAVID WHITCOMB (hereinafter "Assignor"), am an inventor of a certain new and useful invention(s) as set forth and disclosed in the patent application(s) listed in **Schedule A** attached hereto (hereinafter the "Invention");

WHEREAS, ARIEL PRECISION MEDICINE, INC., having an address of 5750 Centre Avenue, Suite 270, Pittsburgh, Pennsylvania 15206 (hereinafter "Assignee"), wishes to acquire Assignor's entire right, title and interest in and to said Invention and in and to any and all Letters Patent that may be obtained therefor in the United States and any and all foreign countries;

WHEREAS, Assignor previously conveyed to Assignee all of Assignor's right, title, and interest in the Invention as described in such prior-filed application(s) pursuant to an assignment dated March 20, 2019, which has been recorded at the U.S. Patent and Trademark Office at Reel 050361 and Frame 0016 (hereinafter, "Assignment Agreement");

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, at least as of December 2, 2019, the parties agree as follows.

Assignor, does hereby confirm Assignor's previous assignment, including pursuant to the Assignment Agreement, and does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, Assignor's entire right, title and interest in and to said Invention as set forth in the scheduled application(s), including any applications which claim priority to the scheduled application(s), any application(s) to which the scheduled application(s) claim priority, and any continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, and in and to any and all patents of the United States and foreign countries which may be issued for said Invention.

Assignor does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns all rights to claim priority from the Invention and scheduled application(s); all causes of action and remedies related to the Invention and scheduled application(s) (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and any and all other rights and interests arising out of, in connection with, or in relation to the Invention and scheduled application(s).

Assignor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment. Assignor will, at any time upon request, without further or additional consideration, but at the expense of Assignee, execute such additional assignments and other writings and do such additional acts as Assignee may deem necessary or desirable to perfect Assignee's enjoyment of this grant, and render all necessary assistance in making the application for or obtaining original patents or applications, continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof,

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whether in the U.S. or any foreign country, for said Invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of Assignor and Assignee.

The undersigned hereby grant(s) the firm of PEPPER HAMILTON LLP the power to insert on this Assignment any further identification, including the country, application number, filing date and/or title, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other patent office for recordation of this document.

The undersigned requests that any patents that may be issued for said Invention be issued to Assignee, its legal representatives, successors or assigns, as an owner of Assignor's entire right, title and interest in and to said patent and the Invention covered thereby.

Date: 000 13, 2019	Assignor: Assign
STATE OF PA COUNTY OF A Megheny	ACKNOWLEDGMENT SS:
On this/3 day of Notary Public, personally appeare	, 20/9, before me, the undersigned d DAVID WHITCOMB, to me known (or satisfactorily and who executed the above instrument, and acknowledged to uses and purposes therein set forth.
SEAL Commonwealth of Pennsylvania - Notary Soul ROSALINDA TROXLER - Notary Public Alagheny County My Commission Expires Oct 25, 2021 Commission Number 1213506	Notary Public Flashings Staff My commission expires 10/05/01

Agreed and accepted:	ARIEL PRECISION MEDICINE, INC.
Date: Dec 13,2079	Assignme: By: David Whitemb in D Title: Co-Council
ACK	OWLEDGMENT
STATE OF <u>PA</u>	· · · · · · · · · · · · · · · · · · ·
COUNTY OF <u>Alleghany</u>) SS:
satisfactority provest) to be the person its	20/f, before me, the undersigned Dand White Comb, to me known (or amed in and who executed the above instrument, and the same for the uses and purposes therein set forth.
S E A L Nota	ry Public Flanderida James
Commonwealth of Pannsylvania – Notary Seal ROSALINDA TROXLER – Rotary Public Allegheny County My Commission Express Oct 25, 2021 Commission Number 1213605	commission expires 10/9/5/3/

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SCHEDULE A

Country	Patent Application No.	Filing Date	Title
U.S.	62/773,647	November 30, 2018	METHODS AND SYSTEMS FOR SEVERITY CALCULATOR
U.S.	16/700,014	December 2, 2019	METHODS AND SYSTEMS FOR SEVERITY CALCULATOR