504699126 12/21/2017

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4745848

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBIN SHANDAS	01/19/2016
MICHAEL ZIMKOWSKI	02/15/2016

RECEIVING PARTY DATA

Name:	THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE
Street Address:	1800 GRANT STREET, 8TH FLOOR
City:	DENVER
State/Country:	COLORADO
Postal Code:	80203

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15818404

CORRESPONDENCE DATA

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docket.denver@dorsev.com Email: **DORSEY & WHITNEY LLP Correspondent Name:**

Address Line 1: 1400 WEWATTA STREET, SUITE 400 Address Line 4: DENVER, COLORADO 80202-5549

ATTORNEY DOCKET NUMBER:	R: P236555.WO-US.02	
NAME OF SUBMITTER:	KATHERINE BENTON	
SIGNATURE:	/Katherine Benton/	
DATE SIGNED:	12/21/2017	

Total Attachments: 4

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PATENT REEL: 044458 FRAME: 0218 504699126

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

Assignor(s):

Robin Shandas 1408 Kingwood Drive Boulder, Colorado 80304 United States

Michael Zimkowski 12665 East Pacific Circle, Unit B Aurora, Colorado 80014 United States

Assignee:

The Regents of the University of Colorado, a Body Corporate 1800 Grant Street, 8th Floor Denver, Colorado 80203 United States

State of Incorporation: Colorado

PATENT APPLICATION SUBJECT TO THE ASSIGNMENT:

WHEREAS, the Assignor(s) identified above (hereinafter, individually and collectively the "Assignor"), have invented certain new and useful processes, methods, machines, devices, systems, manufactures, and/or compositions of matter, or new and useful improvements thereof (the "Invention"), disclosed and described in an application for Letters Patent in the United States ("U.S.") filed on the filing date indicated above in the United States Patent and Trademark Office ("USPTO") and identified by the title, application number, and/or attorney docket number indicated above (the "Patent Application"); and

WHEREAS, Assignee, a corporation organized and existing under the laws of the State indicated above, and having its principal place of business at the address indicated above, desires to acquire the entire right, title, and interest of Assignor in and to the Invention, the Patent Application and in, to, and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned, and transferred and does hereby sell, assign, and transfer to the Assignee, its successors, legal representatives, and assigns, the entire right, title and interest in and to the Invention, the Patent Application, and all divisional, continuation, continuation-in-part, and continuing prosecution applications that claim priority thereto, and any reexamination and reissue applications thereof; all international, regional, and foreign applications that claim priority to, are counterparts of, or otherwise correspond thereto; the Letters Patent, both in the United States and in countries or regions foreign thereto, that

Assignors' Initials

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PATENT REEL: 044458 FRAME: 0219 may or shall issue or have issued therefrom; any extensions, substitutes, or renewals thereof; the right to claim priority to the filing date of the Patent Application; any right, title, or interest in and to the Invention under any international conventions; and and any and all rights to collect damages for past, present, and future infringement of any U.S. or foreign rights, including provisional rights, which may be, shall be, or have been granted pursuant to the Patent Application (collectively "the Patent Rights"); and

In the event that the Patent Application claims priority to a provisional application previously filed and the provisional application was previously subject to an assignment from the Assignor, or one or more thereof, to the Assignee, this Assignment shall be considered a confirmatory assignment thereof; and

Assignor further authorizes said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own name if desired, and otherwise take advantage of the provisions of any international conventions; and

Assignor hereby authorizes and requests transfer of the Patent Application and any further applications, which may be or shall have been filed under the Patent Rights, to the Assignee in accordance herewith and further authorizes and requests any official of any State whose duty consists of issuing patents or other evidence or forms of any industrial property protection issuing from the Patent Application and all related applications, to issue same to the Assignee, its successors, and assigns in accordance herewith; and

Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Patent Application once known.

Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party, and Assignor hereby covenants and agrees with the Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these representations; and

Assignor, on behalf of any individuals associated with the filing or prosecution of the Patent Application in Assignor's employ or under its control, agrees to disclose to the Assignee any information, including, but not limited to, prior art references, that Assignor is presently aware of or becomes aware of in the future that would materially affect the patentability of the Invention or the Patent Application or the present or future validity of the Patent Rights; and

Assignor, Assignor's successors, legal representatives, or administrators will at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors, and assigns, execute such additional writings and do such additional acts as said Assignee, its successors, and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for, obtaining, and enforcing any of the Patent Rights, including giving testimony in any proceedings or transactions involving such Patent Rights; and

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This document may be executed in two or more counterparts and by facsimile, all of which shall be deemed an original, and all of which together shall constitute one and the same instrument; and

Assignor further covenants and agrees that this Assignment is effective as of 29 May 2015.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

STATE OF COLORADO) CITY OF) ss. COUNTY OF ADAMS)		
KAREN Y. GILBERT NOTARY PUBLIC SETATE OF COLORADO NOTARY ID 20134004057 MY COMMISSION EXPIRES JANUARY 30, 2017	By: Robin Shandas Dated: 1/19/16	
Before me, a Notary Public in and for said County and State, personally appeared Robin Shandas, who executed the foregoing instrument for the purposes and considerations therein expressed.		
Given under my hand and seal of office this 9^{+5} day of JANUARY		
Notary Public My Commission Expires: 30 ANUMARY 2017		

Assignors'	Initials
/	

STATE OF COLORADO) CITY OF ALORA) ss. COUNTY OF Adams)	11/4/1/21/6-
ALLISON GARRETT NOTARY PUBLIC SEMENALE COLORADO NOTARY TO # 20114038220 MY COMMISSION EXPIRES AUGUST 04, 2019	By: Michael Zimkowski
	Dated: 15-Feb-2016
Before me, a Notary Public in and Michael Zimkowski, who executed the for therein expressed.	for said County and State, personally appeared regoing instrument for the purposes and considerations
	office this 15 th day of February , 2015.
J. J	
Notary Public	tery Commission Expires. Of 1 (2007)
The Assignee hereby acknowledge Assignor.	ges and accepts the foregoing assignment of rights by
IN TESTIMONY WHEREOF, the acceptance on the date set forth below.	Assignee, by its undersigned officer, confirms its
	ASSIGNEE: The Regents of the University of Colorado, a Body Corporate
Dated: 7/29/2016	Kuntrery Alula (signature)
Place:	By:(printed name of authorized agent of assignee)
	Its:
(Witness #1: signature)	(Witness #2: signature)
Allison Garrett (Witness #1: printed name)	(Witness #2: printed name)

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RECORDED: 12/21/2017