505562501 07/09/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5609298

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AICHEN LOW	09/26/2016
GREGORY SZCZESZYNSKI	09/26/2016
DAVID GIULIANO	09/27/2016

RECEIVING PARTY DATA

Name:	ARCTIC SAND TECHNOLOGIES, INC.	
Street Address:	25 BURLINGTON MALL ROAD, SUITE 416	
City:	BURLINGTON	
State/Country:	MASSACHUSETTS	
Postal Code:	01803	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16506252

CORRESPONDENCE DATA

Fax Number: (617)500-2499

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: 617-500-2500

Email: INFO@ORPATENT.COM OCCHIUTI & ROHLICEK LLP **Correspondent Name:** Address Line 1: **50 CONGRESS STREET**

Address Line 2: **SUITE 1000**

Address Line 4: BOSTON, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER: 30096-014003 NAME OF SUBMITTER: CASSIE A. ZALESKI SIGNATURE: /Cassie A. Zaleski/ **DATE SIGNED:** 07/09/2019

Total Attachments: 3 source=ASI1#page1.tif source=ASI1#page2.tif source=ASI1#page3.tif

> **PATENT REEL: 049700 FRAME: 0973**

505562501

JOINT ASSIGNMENT Attorney Docket No.: 30096-014US1

NEW ADDRESS: 29 WHEELER ST. #305 CAMBRIDGE, MA 02138

<u>ASSIGNMENT</u>

For valuable consideration, we, Aichen Low of 79 Winter St., Arlington, MA 02474 Gregory Szczeszynski of 77 Pepperell Road, Hollis, NH 03049, David Giuliano of 12 Parkway Road, Brookline, MA 02445, hereby assign to Arctic Sand Technologies, Inc., a corporation, having a place of business at 25 Burlington Mall Road, Suite 416, Burlington, MA 01803, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled CHARGE BALANCED CHARGE PUMP CONTROL, filed 9/14/2016, and assigned U.S. Serial Number 15/126,050, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

> PATENT REEL: 049700 FRAME: 0974

Date:	aidrenbor
	Aichen Low
STATE OF <u>Massachusetts</u>) ss.	
personally known to me (or proved to me on the	46, before me, the undersigned, a notary public for there personally appeared Aichen Low be basis of satisfactory evidence) to be the person who acknowledged having executed the same in e on this Assignment, the person or the entity ssignment.
WITNESS my hand and official seal.	
OLGA GUSIKHINA Notary Public Commonwealth of Massachusetts My Commission Expires May 21, 2021	Notary Public
Date: <u>Sept 26, 2016</u>	Gregory Szczeszyński
STATE OF <u>Massachusells</u>) ss.	
Szczeszynski personally known to me (or prov be the person whose name is subscribed to this	nd that by his signature on this Assignment, the
WITNESS my hand and official seal.	
OLGA GUSIKHINA Notary Public Commonwealth of Massachusetts My Commission Expires May 21, 2021	Notary Public

JOINT ASSIGNMENT Attorney Docket No.: 30096-014US1

Date: 9/27/2016

David Giuliano

STATE OF <u>Massachusetts</u>

COUNTY OF <u>Middlesex</u> ss

On September 27, 2016, before me, the undersigned, a notary public for the State of Massachuse Hs , there personally appeared **David Giuliano** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

OLGA GUSIKHINA
Notary Public
Commonwealth of Massachusetts
My Commission Expires
May 21, 2021

Notary Public