505222164 12/06/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5268933

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Harsh Pandya	12/04/2018
Jacob Shapiro	12/03/2018
Gary Shiffman	12/04/2018

RECEIVING PARTY DATA

Name:	GIANT OAK, INC.	
Street Address:	1515 N. COURTHOUSE ROAD	
Internal Address:	SUITE 1120	
City:	ARLINGTON	
State/Country:	VIRGINIA	
Postal Code:	22201	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16210942

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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: +1 (202) 638-6554

Email: apsi@fr.com

Correspondent Name: RYAN CHOWDHURY

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	42627-0003001	
NAME OF SUBMITTER:	ARLENE F. YATES	
SIGNATURE:	/Arlene F. Yates/	
DATE SIGNED:	12/06/2018	

Total Attachments: 4

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PATENT REEL: 047688 FRAME: 0025

Attorney Docket No.: 42627-0003001

ASSIGNMENT

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and

declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Charles and the second	Date: 12/04/2018
Harsh Pandya	
Witnessed by:	
Signature: ///t/t/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Date: 12/04/2018
Print Name: <u>Mitesh Suthar</u>	
Signature:	Date: 12/4/2018
Print Name: Paig Suthar	

Attorney Docket No.: 42627-0003001

Print Name: And Sorrenting

Date: 30EC/8

Date: 30EC/8

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Date: 30EC/8

Date: 12.3.18

Assignment Page 3 of 4

Attorney Docket No.: 42627-0003001

	: Dec 4, 2018		
Gary Shiffman	v .		
Witnessed by: Signature:	Pate: 12/4/8		
27 December 2011 Control Head Control	ate: 12 · 4 · 2018		
Print Name: Maureen Kin			
The Assignee hereby acknowledges and accepts the foregoing assignment.			
Assignee: GIANT OAK, INC.			
Signature:	Date:		
Name:			
Title:			

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