504182098 01/18/2017

EPAS ID: PAT4229727

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES ANTHONY BARNHOUSE JR.	01/09/2017
JACOB BROWN	01/16/2017
DARYL BELSHAN	01/09/2017

RECEIVING PARTY DATA

Name:	BLACK HORSE, LLC
Street Address:	9950 WEST GULF BANK ROAD
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77040

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15408513

CORRESPONDENCE DATA

Fax Number: (703)997-4905

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.

7039170000 Phone:

Email: sierome@mh2law.com

MH2 TECHNOLOGY LAW GROUP LLP **Correspondent Name:**

1951 KIDWELL DRIVE Address Line 1:

Address Line 2: SUITE 550

Address Line 4: TYSONS CORNER, VIRGINIA 22182

ATTORNEY DOCKET NUMBER: 0282.0002 **NAME OF SUBMITTER:** ANDREW J. PLUMMER SIGNATURE: /Andrew J. Plummer/ **DATE SIGNED:** 01/18/2017

Total Attachments: 6

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ASSIGNMENT

WHEREAS, I, a below-named inventor, (hereinafter referred to as Assignor), have made an invention entitled:

DYNAMIC SEAL CARTRIDGE IN A FLUID END OF A RECIPROCATING PUMP

we have executed an application for a U.S. patent, filed herewith, has this title; and

WHEREAS, Black Horse, LLC, whose post office address is 9950 West Gulf Bank Road, Houston, Texas 77040 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States of America, in and to all applications for patents filed in the United States of America on this invention, and in and to all Letters Patent to be issued for this invention in the United States of America;

NOW THEREFORE, be it known that for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto Assignee, its lawful successors and assigns, my entire right, title, and interest in and to the above-referenced invention and the above-referenced applications, and all divisions, and continuations thereof, and all Letters Patent of the United States of America that might be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that might be necessary or desirable to perfect the title to this invention in Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States of America, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, its successors, and assigns.

Attorney Docket No.: 0282.0002 Page 2 of 2

IN IE	STIMONY WHEREC	or, I have hereunto set i	my nand:
Date:		_ Name of Inventor:	Jacob Brown
Date:	1/9/2017	– Name of Inventor:	James Anthony Barnhouse, Jr.
Date:		– Name of Inventor:	Daryl Relshan

Page 1 of 2

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NOW THEREFORE, be it known that for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto Assignee, its lawful successors and assigns, my entire right, title, and interest in and to the above-referenced invention and the above-referenced applications, and all divisions, and continuations thereof, and all Letters Patent of the United States of America that might be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that might be necessary or desirable to perfect the title to this invention in Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States of America, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, its successors, and assigns.

Page 2 of 2

IN TESTIMONY WHEREOF, I have hereunto set my hand:

Date:	1/16/2017		Jacob Brown
		Name of Inventor:	Jacob Brown
Date:			
		Name of Inventor:	James Anthony Barnhouse, James Barnhouse, James Anthony Barnhouse, James Barnho
Date:			
		Name of Inventor:	Daryl Belshan

Page 1 of 2

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Page 2 of 2

IN TE	STIMONY WHERE	EOF, I have hereunto set r	ny hand:
Date:		Name of Inventor:	Jacob Brown
Date:		Name of Inventor:	James Anthony Barnhouse, Jr.
Date:	1-9-2017	 Name of Inventor:	Day Belshan

PATENT REEL: 040998 FRAME: 0547

RECORDED: 01/18/2017