505803172 12/04/2019

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| KEITH DENTON NAIR | 09/12/2019 |
| DANIEL CHRISTIEN SPOKES | 09/12/2019 |

RECEIVING PARTY DATA

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| State/Country: | NEW MEXICO |
| Postal Code: | 87113 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16554094 |

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|-------------------------|------------------------|
| NAME OF SUBMITTER: | JUSTIN R. MUEHLMEYER |
| SIGNATURE: | /Justin R. Muehlmeyer/ |
| DATE SIGNED: | 12/04/2019 |

Total Attachments: 3

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> **PATENT REEL: 051177 FRAME: 0123** 505803172

ASSIGNMENT OF INVENTION AND PATENT RIGHTS

Inventors: Keith Denton Nair, Daniel Christien Spokes

Application No.: 16/554,094

Filing Date: August 28, 2019

For valuable consideration received or to be received, and hereby acknowledged, Keith Denton Nair of 13 Chester Road, Bristol, BS5 7AX United Kingdom, and Daniel Christien Spokes of St Clements, Aston Ingham Road, Newent Gloucester, GL18 1NS United Kingdom, (hereinafter referred to as "Inventors"), hereby sell, assign and transfer unto Pyrodyne Thermal, LLC, of 8501 Washington Street, NE, Albuquerque, New Mexico 87113, its successors and assigns (hereinafter referred to as "Assignee"), the entire interest for the United States of America and all foreign countries, including all rights of priority under the international conventions and treaties, in and to a certain invention or improvement known as Rotary Seal and Bearing, and described in an application filed in the United States Patent and Trademark Office on August 28, 2019, as Attorney Docket No. 34132-4-CIP and given U.S. Patent Application No. 16/554,094, which claims priority to U.S. Provisional Patent Application No. 62/819,363 filed March 15, 2019, and which is a continuation-in-part application of U.S. Patent Application No. 15/457,636 filed March 13, 2017, which claims priority to U.S. Provisional Patent Application No. 62/307,136 filed March 11, 2016, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or on any provisional, utility, divisional, continuing, continuation-in-part, reissue, reexamination or other applications based in whole or in part thereon. And Inventors agree hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper in Assignee's sole discretion, to secure to Assignee the grant of Letters Patent in the United States and/or in other countries as Assignee may determine in its sole discretion, with specifications and claims in such form as shall be approved

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by Assignee's counsel, and to vest and confirm in Assignee the legal and equitable title and full use and benefit of all such patents.

Inventors further agree with Assignee that this Assignment covers all processes, specifications, procedures, techniques and other knowledge and information now or hereafter known to Inventors which are not in the public domain and which relate to the above-mentioned invention or improvement, its manufacture, uses or embodiments, or other matters (the "Related Know-How"). Inventors agree to disclose or provide all Related Know-How to Assignee when discovered or upon request.

Inventors further covenant that Inventors will promptly provide to Assignee, upon its request, with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to Inventors and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to Assignee or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

Inventors' rights in the above-mentioned invention or improvement and Related Know-How and any patent application(s) and Letters Patent thereon have not been previously assigned, mortgaged or otherwise encumbered, and Inventors have full right, power and authority to assign all such rights to Assignee hereunder.

As used herein, the terms "Inventors" and "Assignee" shall include such parties and their heirs, administrators, estates, successors and assigns of every kind.

Inventors hereby authorize and request the Director of the United States Patent and Trademark Office, and all foreign countries' equivalent officials, to issue such Letters Patent as shall be granted on said application or applications based thereon to Assignee.

PATENT REEL: 051177 FRAME: 0125

| DATED this _ | 12 | day of September | , 20 <u>19</u> . |
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| | | | |
| | | Keith Denton Nair | |
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| DATED this _ | 12 | day ofSeptember | , 20 <u>19</u> . |
| | | Don See Let | |
| | | Daniel Christien Spokes | |

 $\hbox{$G$:$\A-Clients$\Monarch Waste Technologies, LLC\ASSIGN\rotary-seal-ut-assign.doc}$

RECORDED: 12/04/2019