

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                          |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                              |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                         |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                   |
| JAMES RICHARD SPEARS                                                                                                                                                                            | 08/21/2015                              |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                         |
| <b>Name:</b>                                                                                                                                                                                    | JAMES RICHARD SPEARS MD PLLC            |
| <b>Street Address:</b>                                                                                                                                                                          | 615 BRIDLE PATH COURT                   |
| <b>City:</b>                                                                                                                                                                                    | BLOOMFIELD HILLS                        |
| <b>State/Country:</b>                                                                                                                                                                           | MICHIGAN                                |
| <b>Postal Code:</b>                                                                                                                                                                             | 48304                                   |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                         |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                           |
| <b>Application Number:</b>                                                                                                                                                                      | 16036376                                |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                         |
| <b>Fax Number:</b>                                                                                                                                                                              | (248)641-0270                           |
| <i>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.</i> |                                         |
| <b>Phone:</b>                                                                                                                                                                                   | (248) 641-1271                          |
| <b>Email:</b>                                                                                                                                                                                   | troy@mailroom@hdp.com, jtumblin@hdp.com |
| <b>Correspondent Name:</b>                                                                                                                                                                      | HARNESS, DICKEY & PIERCE, P.L.C.        |
| <b>Address Line 1:</b>                                                                                                                                                                          | P.O. BOX 828                            |
| <b>Address Line 4:</b>                                                                                                                                                                          | BLOOMFIELD HILLS, MICHIGAN 48303        |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 15838-000001-US-DVD                     |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | RICHARD W. WARNER                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Richard W. Warner/                     |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 09/11/2018                              |
| <b>Total Attachments: 3</b>                                                                                                                                                                     |                                         |
| source=Assignment (Spears to James Richard Spears MD PLLC)#page1.tif                                                                                                                            |                                         |
| source=Assignment (Spears to James Richard Spears MD PLLC)#page2.tif                                                                                                                            |                                         |
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## ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT** is made by James Richard Spears, residing at 615 Bridle Path Court, Bloomfield Hills, Michigan 48304 (hereinafter referred to as Assignor);

**WHEREAS**, Assignor has invented certain new and useful improvements, together with James W. Ridgway, in Method And Apparatus To Generate Bubbles In A Material, set forth in the following Patent applications for Letters Patent: (1.) on June 7, 2010 as U.S. Application No. 12/795,362, now U.S. Patent No. 8,500,104 issued on August 6, 2013; (2.) on August 5, 2013 as Canadian Application No. 2,802,095; and (3.) on August 5, 2013 as U.S. Application No. 13/959,200 (hereinafter collectively referred to as "Inventions") ; and

**WHEREAS**, James Richard Spears MD PLLC, a Corporation organized under and pursuant to the laws of Michigan having its principal place of business at 615 Bridle Path Court, Bloomfield Hills, Michigan 48304 (hereinafter referred to as Assignee), is desirous of acquiring Assignor's entire right, title and interest in and to said Inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned Inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, including the right to recover for past infringements, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its

successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the joint and lawful owner of an undivided entire right, title and interest in and to the said Inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey Assignor's undivided rights in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said Inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said Inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said Inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said Inventions

and the Letters Patent to be issued thereon, for the benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

HARNESS, DICKEY & PIERCE, P.L.C.

All practitioners at Customer Number 27572

  
James Richard Spears

Date: 8/21/15

United States of America )  
State of MICHIGAN ) ss.:  
County of OAKLAND )

On this 21<sup>ST</sup> day of AUGUST, 2015, before me personally came James Richard Spears, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

19422282.1

**LYNETTE J. BARRETT**  
Notary Public, Macomb County, Michigan  
Acting in Oakland County  
My Commission Expires 6/30/2021