

## 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>
	SHOCKWAVE LLC	11/05/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	SHOCKWAVE TECHNOLOGY HOLDING LLC	
<b>Street Address:</b>	2151 DEAN AVENUE	
<b>City:</b>	DES MOINES	
<b>State/Country:</b>	IOWA	
<b>Postal Code:</b>	50317	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Patent Number:</b>	7374113	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(801)578-6999	
<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>	(801) 578-6994	
<b>Email:</b>	emily.mangelson@stoel.com	
<b>Correspondent Name:</b>	JOHN R. THOMPSON	
<b>Address Line 1:</b>	201 SOUTH MAIN STREET	
<b>Address Line 2:</b>	SUITE 1100	
<b>Address Line 4:</b>	SALT LAKE CITY, UTAH 84111	
<b>ATTORNEY DOCKET NUMBER:</b>	69073/14	
<b>NAME OF SUBMITTER:</b>	JOHN R. THOMPSON	
<b>SIGNATURE:</b>	/John R. Thompson/	
<b>DATE SIGNED:</b>	11/05/2019	
<b>Total Attachments: 3</b>		
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## ASSIGNMENT OF PATENT RIGHTS

This Assignment of Patent Rights is entered into by and between:

Shockwave LLC, an Iowa corporation having an office at 2151 Dean Avenue  
Des Moines, IA 50317 ("Assignor"); and

Shockwave Technology Holding LLC, an Iowa corporation having an office at  
2151 Dean Avenue Des Moines, IA 50317 ("Assignee").

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged as being in accordance with the fair market value, Assignor hereby assigns, transfers, and conveys to Assignee, and agrees to assign, transfer, and convey to Assignee, or to its designees, all of Assignor's right, title, and interest that exist today and that may exist in the future in and to all of the following (collectively, the "Patent Rights"):

- (a) all patents and patent applications listed in **Exhibit A**, including all reissues, reexaminations, extensions, continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, and foreign applications relating to any item in **Exhibit A**, including provisional rights in any item in **Exhibit A**, right to claim priority to any item in **Exhibit A** in any international patent application, and the right to apply for patents in Assignor's name or in the name of Assignee relating to any item in **Exhibit A**; and
- (b) all causes of action (whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in category (a) including, without limitation, all causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) other remedies of any kind for past, current, and future infringement.

Assignor agrees to complete all acts and execute all documents, and to ensure that its officers, employees and agents complete all acts and execute all documents, necessary to secure Assignor's or its designee's ownership of Patent Rights. Assignor irrevocably appoints each of the directors of Assignee from time to time severally as that Assignor's attorney to complete all acts and execute all documents which the Assignor is obliged to do or execute by this clause.

This Assignment of Patent Rights and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and construed in accordance with the law of United States of America.

If any term or provision of this Assignment of Patent Rights shall to any extent be invalid or unenforceable, the remaining terms shall not be affected thereby and each term and provision of the assignment shall be valid and enforced to the fullest extent permitted by law.


IN TESTIMONY WHEREOF this Assignment of Patent Rights is executed on  
Nov. 5, 2019.

**ASSIGNOR:**

Signed as a deed on behalf of  
Shockwave LLC

by: Joseph Fitzgerald  
name of signing party

President  
insert title of signing party

  
(signature)

**Exhibit A**  
**Patents**

<b>Patent/Application No.</b>	<b>Country</b>	<b>Issue/Filing Date (m/d/y)</b>	<b>Title</b>
7,374,113	United States of America	05/20/2008	SYSTEM AND METHOD FOR PULVERIZING AND EXTRACTING MOISTURE