

## 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>
NICHOLAS A. ROTH	05/18/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMPIRICAL INNOVATIONS, INC.
<b>Street Address:</b>	891 TWO RIVERS DRIVE
<b>City:</b>	DAKOTA DUNES
<b>State/Country:</b>	SOUTH DAKOTA
<b>Postal Code:</b>	57049
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	18209401
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	317.1087001
<b>NAME OF SUBMITTER:</b>	RUSSELL D. CULBERTSON
<b>SIGNATURE:</b>	/Russell D. Culbertson/
<b>DATE SIGNED:</b>	09/20/2023
<b>Total Attachments: 1</b>	
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## ASSIGNMENT

WHEREAS, Nicholas A. Roth (the "Inventor"), has invented certain new and useful improvements in Heating Medium Injectors and Injection Methods for Heating Foodstuffs and in Systems and Methods for Receiving the Output of a Direct Steam Injector, and these improvements are disclosed and claimed in one or more of the following U.S. patent applications:

TCG Ref.	Serial No.	Filing date	Title
317.1089	62/808,778	Feb. 21, 2019	DIRECT HEATING MEDIUM INJECTOR AND INJECTION SYSTEM AND METHOD
317.1083	16/729,108	Dec. 27, 2019	HEATING MEDIUM INJECTORS AND INJECTION METHODS FOR HEATING FOODSTUFFS
317.1087	16/792,949	Feb. 18, 2020	SYSTEMS AND METHODS FOR RECEIVING THE OUTPUT OF A DIRECT STEAM INJECTOR

Any and all inventions disclosed in one or more of the above-listed applications (the "Applications") will be referred to herein collectively as the "Invention."

WHEREAS, Empirical Innovations, Inc., ("Empirical Innovations"), a Delaware corporation having an office at 891 Two Rivers Drive, Dakota Dunes, South Dakota 57049, desires to acquire the entire right, title, and interest in and to the Invention.

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Inventor does hereby sell, assign, and transfer unto Empirical Innovations, the entire right, title, and interest, in and to the Invention, including the entire right, title, and interest in and to each of the Applications, and any PCT counterpart, foreign counterpart, continuation, continuation-in-part, and any division of any of the Applications. This assignment shall be effective for the territory of the United States of America and for all foreign countries, and shall include all priority rights, including priority rights from any of the Applications. The Invention, the Applications, any continuation, continuation-in-part, or division of any of the Applications, and any PCT counterpart of any of the Applications, and any U.S. Patent issuing from any of the Applications or any continuation, continuation-in-part, or division of any of the Applications, and any reissue of any such patent and any foreign counterpart of any such patent, to be held and enjoyed by Empirical Innovations, for its own use, and for its legal representatives and assigns as fully and entirely as the same would have been held by the Inventor had this assignment and sale not been made.

Executed this 18<sup>th</sup> day of May, 2020.

  
Nicholas A. Roth

The State of South Dakota       )  
  )       SS  
County of Union                     )

This instrument was acknowledged before me on the 18<sup>th</sup> day of May in the year 2020, by Nicholas A. Roth.

~~WITNESSES on hand and official seal.~~

PATRICK DURKEE

NOTARY PUBLIC  
SOUTH DAKOTA

Notary Public