

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	WILLIAM THOMAS HAMBLETON	08/08/2017
RECEIVING PARTY DATA		
Name:	MIDWEST MECHANICS, LLC	
Street Address:	500 EVERGREEN STREET	
City:	BALDWIN	
State/Country:	WISCONSIN	
Postal Code:	54002	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16711037
CORRESPONDENCE DATA		
Fax Number:	(612)340-2868	
<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>		
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ATTORNEY DOCKET NUMBER:	P266644US02_180144_01204	
NAME OF SUBMITTER:	ANGELA M. STASCHKE	
SIGNATURE:	/Angela M. Staschke/	
DATE SIGNED:	12/11/2019	
Total Attachments: 9		
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ASSIGNMENT

WHEREAS, I, William Thomas Hambleton, residing at 1028 6th Street, Hudson, WI 54016 (the "Assignor") have invented certain new and useful processes, methods, machines, devices, systems, manufactures, and/or compositions of matter, or new and useful improvements thereof as represented in the WINFIELD SOLUTIONS INVENTION DISCLOSURE form to be filed with the project name "Adjustable liquid trap for liquid waste drainage under differential pressure conditions" which is attached hereto in Exhibit A and any other related inventions developed since 2012 with Winfield Solutions, LLC, a Delaware corporation, with offices at 1080 County Road F West, Shoreview, MN 55126 (the "Inventions"); and

WHEREAS, Assignor desires to assign any and all right, title and interest to the Inventions, and all divisional, continuation, continuation-in-part, and continuing prosecution applications that claim priority thereto, and any reexamination and reissue applications thereof; all international, regional, and foreign applications that claim priority to, are counterparts of, or otherwise correspond thereto; the Letters Patent, both in the United States and in countries or regions foreign thereto, that may or shall issue or have issued therefrom; any extensions, substitutes, or renewals thereof; the right to claim priority to any patent application(s); any right, title, or interest in and to the Inventions under any international conventions; and any and all rights to collect damages for past, present, and future infringement of any U.S. or foreign rights, including provisional rights, which may be, shall be, or have been granted pursuant to any patent application(s) (collectively "the Patent Rights");

WHEREAS, Midwest Mechanics, LLC, a Wisconsin corporation, with offices at 500 Evergreen Street, Baldwin, WI 54002 (the "Assignee"), desires to acquire any and all, right, title, and interest of Assignor in and to the Inventions, the Patent Rights, and in, to, and under any and all Letters Patent to be obtained therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title, and interest in and to the Inventions, the Patent Rights, and any and all Letters Patent to be obtained therefor;

UPON SAID CONSIDERATION, the Assignor hereby covenants and agrees with the Assignee that it will not execute any writing or do any act whatsoever conflicting with these presents, and that it will, at any time upon request, without further or additional consideration but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, continuations, continuations-in-part, continuing prosecutions, divisionals, renewals, reissues, reexamined or extended Letters Patent of the United States, or of any and all foreign countries, on the Inventions and the Patent Rights, and execute confirmatory assignments or acknowledgments of this assignment as necessary for full enjoyment of the Inventions and the Patent Rights and for recording in foreign patent offices, and in enforcing any rights or choses in action accruing as a result of such Inventions and Patent Rights, by giving testimony in any proceedings or transactions involving such Inventions and Patent Rights, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of,

ASSIGNOR HEREBY AUTHORIZES the Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the United States and any and all foreign countries and regions, in its own name if desired, and additionally to claim priority to the filing date of any patent application and otherwise take advantage of the provisions of any international conventions.

The effective date of this Assignment is June 1, 2017.

8/8/17.

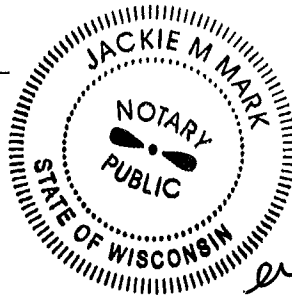
 8/8/17

William Thomas Hambleton (date)

STATE OF WI)
COUNTY OF St Croix) SS.

Subscribed and sworn to before me, a Notary Public, this 8 day of August, 2012.

Jackie N. Mann
Notary Public



exp 4-28-21

ACCEPTANCE OF ASSIGNMENT

The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.

IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance of the Assignment as of the effective date of June 1, 2017.

Date: August 14, 2017

Midwest Mechanics, LLC

By: Christopher E. Nayjok

Name: Christopher E. Nayjok

Title: Director of Design Engineering

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF WI)
COUNTY OF St Croix) SS.

Subscribed and sworn to before me, a Notary Public, this 14 day of August, 2012.

Jackie M Mark
Notary Public

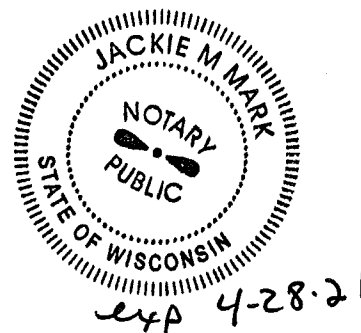


EXHIBIT A:

WINFIELD SOLUTIONS INVENTION DISCLOSURE

Date: 06-01-2017

Instructions

1. Use ink or type.
2. Do not erase. Errors may be lined through if initialed and dated.
3. Contact Gretta Hanson (x5-2831) with questions.

1. Name and Address of Inventor or all Inventors

William Hambleton, 1028 6th St Hudson, WI 54016
Daniel C Bissell, 3921 Boston Circle, Eagan MN 55123

2. Disclosure

☒ Yes ☐ No Invention has been disclosed to non-Winfield personnel

If Yes, to whom?

Midwest Mechanics

Bill Hambleton was an employee of Midwest Mechanics at the time of invention.

Form of disclosure:

☐ Oral presentation ☐ Written format ☒ Prototypes

☐ Yes ☒ No Was there a confidentiality agreement existing at time of disclosure?

Date disclosed: November 2016

☐ Yes ☒ No Disclosure, publication or presentation planned?

If Yes:

When _____
Where _____

3. Title of Invention

Adjustable liquid trap for liquid waste drainage under differential pressure conditions.

4. List any key words to describe the invention

Liquid trap, drain line, drainage, differential pressure condition

5. Type of Invention - Describe in general terms the objectives of the invention

Mechanical plumbing, drainage, liquid waste handling

6. Date of Conception

October 2016

7. Date Invention was First Successfully Tested
June 2017

8. Description of Invention (Use sketches and written explanations).

Describe in detail the steps that need to be taken to implement or construct the invention (use sketches and written explanations).

The liquid trap is included within the liquid waste drain line of the spray analysis wind tunnel. A drain tube is connected to a liquid reservoir at the bottom of a droplet eliminator incorporated into the wind tunnel. Downstream of the drain tube, the liquid trap is connected, and downstream of the trap, the reservoir runoff is expelled into a waste holding container.

The trap serves to eliminate backflow from the waste holding container into the droplet eliminator reservoir, for a given operating condition of the wind tunnel, and allow for complete drainage of the reservoir when the tunnel is not operating.

Sketches:



Adjustable Liquid
Trap.pptx

Are there alternate methods for implementation and/or construction?

Yes, potentially different uses of fittings/connections.

9. Describe Advantages Over What Has Been Done Before
(i.e. flexibilities, economics, consistency and product quality and applications)

What is the "old" method?

Implementations in the past were a fixed orientation of the liquid trap which could not adjust for different tunnel operating conditions or complete drainage of the droplet extractor reservoir.

What specific features of this invention make it more advantageous than the previous approaches?

This design allows for precise adjustment of the liquid trap to optimize drainage while preventing backflow, and allow for the option of complete draining of the liquid reservoir within the spray tunnel.

What markets could use this invention?

Agriculture, industrial processing

10. Have any prototypes, samples, etc., been made of the invention?

☒ Yes ☐ No

If so, when?

June 2016

11. State of development of invention

What is the state of development of the invention now?

Fully implemented into final design of new spray analysis wind tunnel.

Describe plans for continued future research and/or study on the invention.

Preliminary plans in place for scaled-up version of spray wind tunnel which may implement/revise this liquid trap design.

Signature of Person Completing this Invention Disclosure:

By WinField United

Name Daniel Bissell

Date 06-05-2017

Business Unit

Check one of the following:

☒ Apply for patent protection

☐ Protect as Trade Secret

☐ Approval for Outside Counsel opinion

Signature _____

Name _____

Title _____

Date _____

Wind Tunnel Layout August 2016.pptm:

Adjustable Liquid Trap

