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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	131P7
		Application Number	
Title of Invention	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE		
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Inventor	1	Remove			
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	Roger		Dahle		
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Loco Cookers, EX1004
IPR2024-00642

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	131P7
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Application Information:

Title of the Invention	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE		
Attorney Docket Number	131P7	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	5	Suggested Figure for Publication (if any)	

Filing By Reference:

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For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

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☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	131P7
		Application Number	
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Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

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Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Claims benefit of provisional	62331673	2016-05-04
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Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.



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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	131P7
	Application Number	
Title of Invention	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	131P7
		Application Number	
Title of Invention	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE		

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Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant	1	Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section. Clear		
☒ Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:		
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Organization Name	North Atlantic Imports, LLC	
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	131P7
		Application Number	
Title of Invention	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE		

Assignee 1				
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Signature	/David L. Stott/		Date (YYYY-MM-DD)	2017-04-29
First Name	David L.	Last Name	Stott	Registration Number
				43,937
Additional Signature may be generated within this form by selecting the Add button. Add				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	131P7
		Application Number	
Title of Invention	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE		

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April 29, 2017

APPLICATION FOR UNITED STATES LETTERS PATENT

for

**SYSTEM, DEVICE AND METHOD FOR CONTROLLING
CONVECTIVE HEATING OF A GRIDDLE**

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SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of U.S. Provisional Application No. 62/331,673, filed May 4, 2016, the disclosure of which is hereby incorporated by reference in its entirety.

TECHNICAL FIELD

[0002] The present invention relates generally to gas heated outdoor cooking stations and, more specifically, the present invention relates to a griddle cooking station with controlled region heating and controlled convection heat flow.

BACKGROUND

[0003] Barbequing has become a popular and pervasive tradition in much of the world. A barbeque grill is a device for cooking food by applying heat directly below a grill. There are several varieties of grills but most fall into one of two categories, either gas fueled or charcoal. Gas fueled grills typically use propane or natural gas as a fuel source, with the gas flame either cooking the food directly or heating grilling elements which in turn radiate the heat necessary to cook the food. Grilling has become a popular method of cooking food due to the unique flavors and texture imparted to the food during the grilling process.

[0004] A griddle is a cooking device consisting of a broad flat surface that can be heated using a variety of means and is used in both residential and commercial applications for a variety of cooking operations. The griddle is most commonly a flat metal plate composed of cast or wrought iron, aluminum or carbon steel. Griddles are commonly heated directly or indirectly by open flame or electrical elements. Using a griddle placed directly on a barbeque grill or over flame burners has also become popular when cooking foods not as well suited for cooking directly on a grill over an open flame.

[0005] One problem with using a griddle directly on a grill or over flame burners is the control of the temperature of the griddle cooking surface when it is desired to only use a portion of

the surface or when it is desired to have certain portions of the cooking surface a higher temperature than other portions. Another problem with using a griddle over flame burners is the convective heat from the flames moves around the entire periphery of the griddle, often times making it difficult to cook effectively or even somewhat dangerous if children are present due to the heat bellowing around the front of the griddle.

BRIEF SUMMARY OF THE INVENTION

[0006] The present invention is directed to devices, systems, and methods for maintaining convection heat within a heating region of a griddle and channeling and the convection heat therefrom. For example, in one embodiment, a cooking system is provided. The cooking system includes a frame, multiple burners, and a griddle. The frame extends with a front side, a rear side, a left side, and a right side, which each may extend between a lower portion and an upper portion of the frame. The multiple burners are coupled to and extend between the front side and the rear side of the frame. The griddle is sized to be suspended by the frame and to be positioned on the upper portion of the frame. The griddle includes a cooking surface and an underside surface, the underside surface extending to define a rectangular shape with a front end, a rear end, a left end, and a right end. Further, the griddle includes a front rib and multiple lateral ribs. The front rib extends along the front end of the underside surface, and the multiple lateral ribs extend along the underside surface from the front rib to the rear end of the underside surface. The multiple lateral ribs are spaced from each other so as to define multiple heating regions such that each heating region is defined between adjacently extending lateral ribs. Further, each of the heating regions include one of the multiple burners positioned below one of the multiple heating regions. With this arrangement, each of the lateral ribs extend downward from the underside surface a height so as to funnel convection heat from any one of the multiple burners toward the rear end of the underside surface of the griddle and from the rear side of the frame.

[0007] In one embodiment, the front rib substantially blocks convection heat from escaping from the front side of the frame. In another embodiment, the adjacently extending lateral ribs are sized to substantially prevent convection heat from moving over the adjacently extending lateral ribs and directly, convectively heating adjacent heating regions. In another embodiment, the adjacently extending lateral ribs are sized to substantially maintain convection heat between the

adjacently extending lateral ribs to only convectively heat the corresponding heating region between the adjacently extending lateral ribs.

[0008] In another embodiment, the cooking surface of the griddle includes a trough configured to catch grease, the trough extending only along a rear end surface of the cooking surface. In another embodiment, the cooking surface of the griddle includes a trough configured to catch grease, the trough extending only along a rear end surface of the cooking surface and defining an opening at one end of the trough. In a further embodiment, the opening defined in the trough is configured to deposit grease within a vent box coupled to the frame, the vent box including venting for air intake to feed air to the multiple burners.

[0009] In another embodiment, the frame includes an air intake system configured to feed air to the multiple burners, the air intake system including at least one of a front vent along the front side of the frame, a left vent along the left side of the frame, and a right vent along a right side of the frame. In another embodiment, the front rib and the lateral ribs facilitate convection heat to be channeled to a rear side of the frame.

[0010] In accordance with another embodiment of the present invention, a griddle configured to control convection heat from one or more gas flame burners of a cooking station is provided. The griddle includes a cooking surface, an underside surface, a front rib, and multiple lateral ribs. The cooking surface includes a rectangular shape and is configured to face upward. The underside surface extends to generally correspond with the cooking surface, the underside surface facing in an opposite direction than the cooking surface, and the underside surface extending to define a periphery with a front end, a rear end, a left end, and a right end. The front rib includes a front rib height and is coupled to the front end of the underside surface such that the front rib extends longitudinally along the front end of the underside surface. The multiple lateral ribs each extend laterally relative to the front rib and extend along the underside surface from the front rib to the rear end of the underside surface. The multiple lateral ribs are spaced from each other so as to define multiple heating regions such that each heating region is defined between adjacently extending lateral ribs. The heating regions are each configured to be positioned above a gas flame burner. With this arrangement, each of the lateral ribs extend downward from the underside surface a lateral rib height such that the adjacently extending lateral ribs are configured to funnel the

convection heat from the gas flame burner toward the rear end of the underside surface and away from a rear side of the cooking station.

[0011] In one embodiment, the front rib substantially blocks the convection heat from escaping a front side of the underside surface. In another embodiment, the adjacently extending lateral ribs are sized to substantially prevent convection heat from moving over the adjacently extending lateral ribs and directly, convectively heating adjacent heating regions. In another embodiment, the adjacently extending lateral ribs are sized to substantially maintain convection heat therebetween to only convectively heat the corresponding heating region between the adjacently extending lateral ribs.

[0012] In another embodiment, the cooking surface includes a trough configured to collect grease, the trough extending only along a rear end surface of the cooking surface, the trough defining a through hole configured to funnel grease therethrough. In another embodiment, the griddle further includes a splash guard that extends upward above a periphery of the cooking surface. In a further embodiment, the splash guard includes a hinge structure, the hinge structure configured to pivotably couple to a cover of the cooking station.

[0013] In accordance with another embodiment of the present invention, a method for selectively heating regions of a griddle with convection heat from one or more gas flame burners of an outdoor cooking station is provided. The method includes: turning on one or more gas burners of the outdoor cooking station such that the one or more gas burners are positioned below an underside surface of a griddle; and selectively heating specific regions of the griddle that correspond with the one or more gas burners turned on, the specific regions each defined by adjacently extending parallel ribs, the ribs extending laterally from a front rib toward a rear end of the underside surface of the griddle such that the front rib and the parallel ribs channel convection heat to flow between the adjacently extending parallel ribs toward the rear end of the griddle and away from the outdoor cooking station.

[0014] In one embodiment, the step of selectively heating includes selectively heating the specific regions with the parallel ribs substantially preventing convection heat from moving over the parallel ribs by the convection heat being drawn toward the rear end of the griddle. In another embodiment, the step of selectively heating includes blocking the convection heat from moving toward a front end of the underside of the griddle with a downward facing edge of the front rib

resting on a frame of the outdoor cooking station to substantially block the convection heat from escaping out the front side of the cooking station. In still another embodiment, the step of selectively heating includes substantially preventing convection heat from moving over the parallel ribs by drawing the convection heat toward the rear end of the griddle with rear end openings, each rear end opening defined by oppositely positioned rear rib ends of the parallel ribs and the rear end of the underside surface of the griddle and a frame component of the outdoor cooking station, the parallel ribs positioned on the frame component.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0015] The foregoing and other advantages of the invention will become apparent upon reading the following detailed description and upon reference to the drawings in which:

[0016] FIG. 1 is a perspective view of a cooking station with a griddle thereon, according to an embodiment of the present invention;

[0017] FIG. 2 is a top view of the cooking station without the griddle and a cover shown, depicting gas flame burners within a frame of the cooking station, according to another embodiment of the present invention;

[0018] FIG. 3 is a perspective top view of the griddle, according to another embodiment of the present invention;

[0019] FIG. 4 is a perspective front-bottom view of the griddle, according to another embodiment of the present invention;

[0020] FIG. 5 is a perspective rear-bottom view of the griddle, according to another embodiment of the present invention;

[0021] FIG. 6 is a top view of the cooking station with the griddle, depicting heating regions and burners in dashed lines, according to another embodiment of the present invention;

[0022] FIG. 6A is a cross-sectional side view of the cooking station taken along section line A-A in FIG. 6, depicting one burner convectively heating a single region of the griddle and movement of convection heat toward a rear side of the cooking station, according to another embodiment of the present invention;

[0023] FIG. 7 is a bottom view of the griddle, depicting the lateral ribs and heating regions, according to another embodiment of the present invention;

[0024] FIG. 8 is a top view of the griddle, depicting a trough and the lateral ribs extending beyond and under the trough at the rear end of the underside surface of the griddle, according to another embodiment of the present invention;

[0025] FIG. 9 is a rear view of the griddle, depicting a rear frame portion in dashed lines, according to another embodiment of the present invention.

[0026] FIG. 10 is a left side view of the griddle, according to the present invention;

[0027] FIG. 11 is a right side view of the griddle, depicting a through hole at an end of the trough, according to another embodiment of the present invention; and

[0028] FIG. 12 is a front view of the griddle, according to another embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0029] Referring to FIG. 1, a cooking station 10 sized and configured to support a griddle 12, is provided. The griddle 12 of the cooking station 10 may include structure for channeling and maintaining convection heat flow within selective heat regions of the griddle 12 (see FIGS. 6 and 6A). As depicted, in one embodiment, the cooking station 10 may include a frame 14 (FIG. 2) and components sized and configured to be employed as an insert for an outdoor kitchen that may be coupled to, for example, natural gas. In this embodiment, the griddle 12 may be configured to be removeably coupled to the frame 14 or removably integrated with the cooking station 10. In another embodiment, the cooking station 10 described herein may be a cooking station that is portable with, for example, leg components, caster wheels, and a propane gas tank (not shown), in which the griddle 12 may be removeably coupled and/or removably integrated to the frame 14 such that the griddle 12 is sized to integrate with the frame components. In another embodiment, the griddle 12 may be positioned to merely rest over a grill or frame in a free-supporting manner. In other words, the griddle 12 of the present invention may be employed with various types of cooking stations, *i.e.*, insert or portable, so long as the cooking station is sized to support the griddle 12.

[0030] With respect to FIGS. 1 and 2, as set forth, the cooking station 10 may include the frame 14 that may extend with various frame components. Such frame components may extend along a front side 16, a rear side 18, a left side 20, and a right side 22 of the frame 14 to form a housing and support structure for the various components of the cooking station 10. The various

components for heating the cooking station 10 may be typical cooking station components with gas flame burners 24, as known to one of ordinary skill in the art. For example, the frame 14 may be coupled to and support multiple burners 24 each associated with igniter needles 26 or the like. The burners 24 may be operated and controlled from a front panel 28 coupled at the front side 16 of the frame 14. The front panel 28 may include burner knobs 30 and an igniter button 32, for example. The burner knobs 30 may be configured to control gas flow, via valves and tubing (not shown), through corresponding burners 24 by turning the burner knobs 30 to various open positions and a closed position. For example, turning the knob clockwise may increase the amount of gas provided through the burners 24 and turning the knob counter-clockwise may decrease gas flow until reaching a hard stop at the closed or off position. Each burner knob 30 may be associated with various valves and a manifold coupled to a fuel source (not shown), typically provided in open gas flame cooking stations, as known to one of ordinary skill in the art.

[0031] In one embodiment, the multiple burners 24 are coupled to the frame 14 and may extend between the front side 16 and the rear side 18 of the frame 14. For example, the multiple burners 24 may include a first burner 34, a second burner 36, a third burner 38, and a fourth burner 40, each of which may be elongated and tubular or the like. Each of the burners 24 may be evenly spaced relative to each other so that each burner 24 may be centered below a different heating region or heat zone of the griddle 12 (see FIG. 6), discussed in further detail hereafter.

[0032] In an embodiment relative to an insert type cooking station 10, as depicted, the cooking station 10 may include an air intake system 42 and an air out-take system 44, the air intake system 42 for ensuring air flow is fed to the burners 24 and the air out-take system 44 for venting convection heat from the rear side of the cooking station 10. For example, in one embodiment, the air intake system 42 may include a left vented duct 46 and a right vented duct 48 and a front vented duct 50. The left and right vented ducts 46, 48 may be box shaped with vents along a top wall and a front wall thereof, the top and front walls being exposed relative to, for example, counter-tops of an outdoor kitchen. Additional venting (not shown) along the left and right sides 20, 22 of the frame 14 (behind the left and right vented ducts 46, 48) may be provided for feeding air to the burners 24. The front vented duct 50 may be positioned below the front panel 28 for air flow therethrough, as depicted by arrow 52, as shown in FIG. 6A.

[0033] With respect to FIGS. 2 and 6A, the air out-take system 44, may include ribbing structure 50 of the griddle 12, discussed in further detail herein, and a rear vented duct 54 for channeling convection heat from below the griddle 12 and from the rear side of the cooking station 10. Such rear vented duct 54 may be box shaped and include venting defined in the top wall thereof.

[0034] In another embodiment, the cooking station 10 may be portable, in which venting may be employed on the left, right and front sides of frame panels (not shown) of the frame or such venting may not be necessary because the underside of the frame may be open to communicate air flow to the burners 24. In a portable cooking station embodiment, the air out-take system may be facilitated solely with the ribbing structure 50 of the griddle 12 and/or a rear portion of the griddle 12, in which the rear vented duct may not be included with the portable cooking station.

[0035] Now with reference to FIGS. 3, 4 and 8, the griddle 12 will now be described. The griddle 12 may include an upper surface 56 and an underside surface 58. In one embodiment, the upper surface 56 may include a flat cooking surface 60 extending over substantially all or a majority of the upper surface 56. The upper surface 56 may be elongated with a rectangular shape defining a longitudinal axis 62, the upper surface 56 extending to an upper front end 64, an upper rear end 66, an upper left end 68 and an upper right end 70. In one embodiment, the periphery of the upper surface 56 or each side may include a splash guard 72, such as a front splash guard 74, a rear splash guard 76, a left splash guard 78 and a right splash guard 80. The front and rear splash guards 74, 76 may be coupled to and extend along a length 82 of the upper front end 64 and the upper rear end 66, respectively, of the upper surface 56 of the griddle 12. Similarly, the left and right splash guards 78, 80 may be coupled to and extend along a width 83 of the upper left end 68 and the upper right end 70, respectively, of the upper surface 56 of the griddle 12. Each of the splash guards 72 may extend upward from their respective sides. The rear splash guard 76 may extend higher than the front splash guard 74 and the left and right splash guards 78, 80 may taper or slope downward in height from the rear to the front sides.

[0036] In one embodiment, the upper surface 56 may define a trough 84 extending along the upper rear end 66 of the upper surface 56. The trough 84 may be sized and configured to collect grease or other food byproducts being cooked on the griddle 12. The trough 84 may extend with a bend from the flat cooking surface 60 along the upper rear end 66. In one embodiment, the trough

84 may extend entirely along the length 82 and along the upper rear end 66 of the upper surface 56. Further, the trough 84 may extend only along the upper rear end 66 of the upper surface 56, without any other troughs extending along other sides of the cooking surface 60. In another embodiment, the trough 84 may include a through hole 86 along the length of the trough 84. For example, the trough 84 may define the through hole 86 at one end of the trough 84, such as adjacent a corner of the upper rear end 66 and upper right end 70 of the upper surface 56. Although not shown, under the through hole 86, a channel, such as a u-shaped channel, leading or extending to a grease cup may be positioned and removably secured below the through hole 86. Such channel and grease cup may be positioned within the right vented duct 48 and accessible from the top wall of the right vented duct 48 that may be pivotably openable (see FIG. 1). The grease cup may be readily removable for cleaning purposes and then re-positioned and secured. In another embodiment, the through hole 86 may be at or adjacent a mid-point along the length of the trough 84.

[0037] Now with reference to FIGS. 4, 5 and 7, the underside surface 58 of the griddle 12 may also extend with a rectangular shape corresponding with the shape of the upper surface 56. Similar to the upper surface, the underside surface 58 may extend to a front end 88, a rear end 90, a left end 92 and a right end 94. The underside surface 58 may include the ribbing structure 50 or multiple ribs each being positioned and directly coupled to the underside surface 58 of the griddle 12 in pre-determined locations to define heating regions and channels for venting or channeling convection heat from the burners 24 (FIG. 2). For example, the multiple ribs 50 may include a front rib 96 and multiple lateral ribs 98. The front rib 96 may be elongated with a front rib length 100 that extends with a consistent height 102 and thickness. The front rib 96 may extend along the front end 88 of the underside surface 58. The front rib 96 may include a front lower edge 04 configured to be positioned to rest on a portion of the front side 16 of the frame 14 (see FIG. 2).

[0038] Each of the lateral ribs 98 may extend laterally relative to the front rib 96 such that the lateral ribs 98 may be positioned substantially perpendicular relative to the front rib 96 such that the lateral ribs 98 extend substantially parallel relative to each other. The lateral ribs 98 may be elongated with a lateral rib length 106 that extends between first and second ends 108, 110 with an upper edge 112 and a lower edge 114. The first end 108 of each lateral rib 98 may be positioned and secured directly against an inside surface of the front rib 96. The second end 110 may extend toward or adjacent to the rear end 90 of the underside surface 58. The upper edge 112 may be

positioned and secured against the underside surface 58 with the upper edge 112 extending downward at an angle adjacent the second end 110 to account for the underside of the trough 84. The lower edge 114 of the lateral ribs 98, adjacent the second end 110, may be configured to rest on a portion of the rear side 18 of the frame 12 (FIG. 2). The lower edge 114 may extend from the first end 108 continuously and then step downward to a rear portion of the lower edge 114 sized and configured to rest on the frame 12. In another embodiment, the lower edge 114 of the lateral ribs 98 may angle downward from adjacent the first end 108 and then extend parallel and continuous with the underside surface 58 to the second end 110 of the lateral ribs 98.

[0039] In one embodiment, the underside surface 58 may also include one or more stabilizers 116. For example, the one or more stabilizers 116 may be elongated and extend between the left and right ends 92, 94 along the underside surface 58 of the griddle 12, for example, along a mid portion of the griddle 12. The one or more stabilizers 116 may be configured to stabilize the griddle 12 so as to substantially prevent warping upon the griddle 12 being over heated. Further, in addition to the front rib 96 and lateral ribs 98 serving as channel portions for channeling convective heat, the front rib 96 and lateral ribs 98 may also serve as stabilizers in substantially preventing the griddle from warping or partially warping.

[0040] Now with reference to FIGS. 4, 6 and 7, the lateral ribs 98 may extend from the front rib 96 in an evenly spaced relationship relative to each other so as to define multiple heating regions of the griddle 12 on the cooking station 10. In other words, each heating region of the underside surface 58 of the griddle 12 may be defined between adjacently extending lateral ribs 98. Further, each heating region may be defined between the front rib 96 and the rear end 90 of the underside surface 58 between adjacently extending lateral ribs 98. As depicted, the heating regions defined by the adjacently extending lateral ribs 98 each include one burner 24 positioned below each heating region, the front rib 96, lateral ribs 98 and burners 24 depicted with dashed lines in FIG. 6. In one embodiment, as depicted, the griddle 12 may define multiple heating regions, for example, a first region 118, a second region 120, a third region 122, and a fourth region 124, each region including a single burner 24 aligned and centered below a corresponding heating region. In another embodiment, there may be multiple burners 24 associated with a single heating region. In this manner, one or more burners 24 may be sized and configured to exclusively provide convective heat to a defined heating region.

[0041] With respect to FIG. 6A, the griddle 12 may be positioned, at least partially, within the frame 14 of the cooking station 10. In one embodiment, the front rib 96 and lateral ribs 98 of the griddle 12 may fit snug within the frame 14 of the cooking station 10 in an integrated manner, the cooking surface 60 and splash guards 72 of the griddle 12 disposed above the frame 14. For example, the front lower edge 104 (see FIG. 4) of the front rib 96 may be positioned on a ledge 126 of a front extension 128 extending along the front side 16 of the frame 14 with an outer surface 130 (see FIG. 4) of the front rib 96 abutting against an inward facing front frame surface 132. Further, the front end 88 (FIG. 4) of the underside surface 58 of the griddle 12 may sit flat against an upward facing front frame surface 134 of the frame 14. In this manner, the front rib 96 along with the front end 88 of the griddle 12 cooperates with the front side 16 of the frame 14 in an integrated manner to substantially block and prevent convection heat 140 escaping from the front side 16 of the frame 14 and griddle 12.

[0042] With respect to FIGS. 2, 5 and 6A, as previously set forth, the lateral ribs 98 of the griddle 12 may at least partially fit within the frame 14 of the griddle 12. For example, an outer surface 136 of the lateral ribs 98 at the most left and right sides of the griddle 12 may fit snug relative to an inner surface of the respective left and right sides 20, 22 of the frame 14. Further, the frame 14 may include a rear frame portion 142 with a horizontal component 144 and a vertical component 146, each of which may extend between left and right sides 20, 22 of the frame 14 along a rear side 18 of the frame 14. The vertical component 146 may be employed to couple one end of each of the burners 24 thereto. The horizontal component 144 of the rear frame portion 142 may be sized and configured to support and receive the lower edge 114 adjacent the second end 110 of each of the lateral ribs 98.

[0043] Referring to FIGS. 6A and 9, with the lower edge 114 adjacent the second end 110 of each of the lateral ribs 98 positioned directly on the horizontal component 144, such arrangement provides multiple openings 150 or passageways above the horizontal component 144 that each correspond with adjacently extending lateral ribs 98. In other words, each opening 150 or passageway is defined between the second ends 110 of the adjacently extending lateral ribs 98 and the rear end 90 of the underside surface 58 of the griddle 12 and the horizontal component 144 of the rear frame portion 142. Such opening 150 or passageway provides a path of least resistance for convection heat 140 to flow such that the opening 150 is configured to draw convection heat 140

from the space between the adjacently extending lateral ribs 98. In this manner, there are multiple openings 150 or passageways provided at the rear side of the griddle 12, each of which are similarly defined between each of the second ends 110 of the adjacently extending lateral ribs 98 that corresponds with one of the first, second, third, and fourth heating regions 118, 120, 122, and 124. Further, in another embodiment, the openings 150 or passageways are not limited to a fully bound or closed loop opening 150, but may extend and be defined as an inverted u-shape or channel shape (without the horizontal component 144), as depicted in FIG. 9.

[0044] Now with reference to FIGS. 6 and 6A, applying convection heat 140 to one of the heating regions with one of the burners 24, will now be described. With the burner 24 positioned directly below, for example, the second heating region 120 and, upon the burner 24 being ignited, convection heat 140 rises to the underside surface 58 of the griddle 12 along the second heating region 120. Due to the height of the ribbing structure 50 (FIG. 5), a space or volume between the lateral ribs 98 fills with convection heat 140, thereby convectively heating the second heating region 120. As this space fills, the convection heat 140 is drawn toward the rear side of the griddle 12 as indicated by arrow 152, the path of least resistance due to there not being a rib structure extending along the length 82 (FIG. 8) of the rear end 90 of the griddle 12, but rather, a passage or opening 150 (see also FIG. 9) between the second ends 110 of the adjacently extending lateral ribs 98 that draws the convection heat 140 therethrough before bellowing over the lower edge 114 of the lateral ribs 98 to adjacent heating regions, such as the first and third heating regions 118, 122. In this manner, each of the lateral ribs 98 extend downward a distance or height from the underside surface 58 of the griddle 12 so that convection heat 140 may only heat the particular region or second heating region 120 associated with the burner 24 and is funneled toward the rear end 90 of the underside surface 58 of the griddle 12 through the opening 150.

[0045] With respect to FIGS. 1, 10, 11 and 12, the left splash guard 78 and the right splash guard 80 of the griddle 12 may include a hinge component 154. Such hinge component 154 may be sized and configured to cooperate with a cover 15 or lid of the cooking station 10. In this manner, the cover 15 may be pivotably coupled to the griddle 12. In another embodiment, the cover 15 may be pivotably coupled to the frame 14. Further, the frame 14 may include finger shields 156 extending upward on a left side 20 and right side 22 of the frame 14. Such finger shields 156 may extend upward and adjacent to the hinge component 154 of the splash guards 72 to minimize

potential pinching of a user's fingers proximate the pivoting point between the cover 15 and the splash guards 72.

[0046] The frame 14 of the cooking station 10 and griddle 12 may be formed of metallic materials. For example, various components of the frame 14 may be formed of various steel materials, such as stainless steel or the like, formed with paneling, extensions, cross-members, or any other suitable frame components, and may be coupled together with typical fasteners and/or bolts and the like. The griddle 12 may also be formed from metallic materials, such as, carbon steel, cast iron, stainless steel, or aluminum, or various metal alloys, or any other suitable cooking surface material known in the art, such as porcelain coated materials. The metallic materials may be manufactured using cold rolled steel processes, or hot rolled steel techniques, or any other known manufacturing process, such as casting or stamping, as known in the art. The various plate components of the griddle 12 may include a thickness of 5-6 millimeters, but is not so limited, as such thickness of the various components of the griddle may range, for example, between 4-10 millimeters. Further, the ribbing structure 50 may be formed with typical metal cutting techniques and processes and coupled to the underside surface of the griddle 12 with known techniques, such as welding. Also, portions of the griddle 12, such as the trough 84 and splash guards 72 may be formed by employing cutting and bending techniques from sheet or plate material to form the griddle 12 as well as forming portions to the of the griddle 12 with welding techniques, or employing any other known process or techniques to form the griddle 12, as known by one of ordinary skill in the art.

[0047] While the invention may be susceptible to various modifications and alternative forms, specific embodiments have been shown by way of example in the drawings and have been described in detail herein. Further, the structural features of any one embodiment disclosed herein may be combined or replaced by any one of the structural features of another embodiment set forth herein. However, it should be understood that the invention is not intended to be limited to the particular forms disclosed. Rather, the invention includes all modifications, equivalents, and alternatives falling within the spirit and scope of the invention as defined by the following appended claims.

CLAIMS

What is claimed is:

1. A cooking system, comprising:
a frame extending with a front side, a rear side, a left side, and a right side each extending between a lower portion and an upper portion;
multiple burners coupled to and extending between the front side and the rear side of the frame; and
a griddle sized to be suspended by the frame to be positioned on the upper portion of the frame, the griddle having a cooking surface and an underside surface, the underside surface extending to define a rectangular shape with a front end, a rear end, a left end, and a right end, the griddle including a front rib and multiple lateral ribs, the front rib extending along the front end of the underside surface, and the multiple lateral ribs extending along the underside surface from the front rib to the rear end of the underside surface, the multiple lateral ribs being spaced from each other so as to define multiple heating regions such that each heating region is defined between adjacently extending lateral ribs, each of the heating regions includes one of the multiple burners positioned below one of the multiple heating regions, each of the lateral ribs extend downward from the underside surface a height so as to funnel convection heat from any one of the multiple burners toward the rear end of the underside surface of the griddle and from the rear side of the frame.
2. The cooking system of claim 1, wherein the front rib substantially blocks convection heat from escaping from the front side of the frame.
3. The cooking system of claim 1, wherein the adjacently extending lateral ribs are sized to substantially prevent convection heat from moving over the adjacently extending lateral ribs and directly, convectively heating adjacent heating regions.

4. The cooking system of claim 1, wherein the adjacently extending lateral ribs are sized to substantially maintain convection heat between the adjacently extending lateral ribs to only convectively heat the corresponding heating region between the adjacently extending lateral ribs.

5. The cooking system of claim 1, wherein the cooking surface of the griddle comprises a trough configured to catch grease, the trough extending only along a rear end surface of the cooking surface.

6. The cooking system of claim 1, wherein the cooking surface of the griddle comprises a trough configured to catch grease, the trough extending only along a rear end surface of the cooking surface and defining an opening at one end of the trough.

7. The cooking system of claim 1, wherein the frame comprises an air intake system configured to feed air to the multiple burners, the air intake system including at least one of a front vent along the front side of the frame, a left vent along the left side of the frame, and a right vent along a right side of the frame.

8. The cooking system of claim 1, wherein the front rib and the lateral ribs facilitate channeling convection heat to a rear side of the frame.

9. The cooking system of claim 6, wherein the opening defined in the trough is configured to deposit grease within a vent box coupled to the frame, the vent box including venting for air intake to feed air to the multiple burners.

10. A griddle configured to control convection heat from one or more gas flame burners of a cooking station, the griddle comprising:

a cooking surface having a rectangular shape, the cooking surface configured to face upward;

an underside surface, the underside surface extending to generally correspond with the cooking surface, the underside surface facing in an opposite direction than the cooking surface, the underside surface extending to define a periphery with a front end, a rear end, a left end, and a right end;

a front rib having a front rib height and coupled to the front end of the underside surface, the front rib extending longitudinally along the front end of the underside surface; and

multiple lateral ribs each extending laterally relative to the front rib and extending along the underside surface from the front rib to the rear end of the underside surface, the multiple lateral ribs being spaced from each other so as to define multiple heating regions such that each heating region is defined between adjacently extending lateral ribs, the heating regions each configured to be positioned above a gas flame burner, each of the lateral ribs extend downward from the underside surface a lateral rib height such that the adjacently extending lateral ribs are configured to funnel the convection heat from the gas flame burner toward the rear end of the underside surface and away from a rear side of the cooking station.

11. The griddle of claim 10, wherein the front rib substantially blocks the convection heat from escaping a front side of the underside surface.

12. The griddle of claim 10, wherein the adjacently extending lateral ribs are sized to substantially prevent convection heat from moving over the adjacently extending lateral ribs and directly, convectively heating adjacent heating regions.

13. The griddle of claim 10, wherein the adjacently extending lateral ribs are sized to substantially maintain convection heat therebetween to only convectively heat the corresponding heating region between the adjacently extending lateral ribs.

14. The griddle of claim 10, wherein the cooking surface comprises a trough configured to collect grease, the trough extending only along a rear end surface of the cooking surface, the trough defining a through hole configured to funnel grease therethrough.

15. The griddle of claim 10, further comprising a splash guard extending upward above a periphery of the cooking surface.

16. The griddle of claim 15, wherein the splash guard includes a hinge structure, the hinge structure configured to pivotably couple to a cover of the cooking station.

17. A method for selectively heating regions of a griddle with convection heat from one or more gas flame burners of an outdoor cooking station, the method comprising:

turning on one or more gas burners of the outdoor cooking station such that the one or more gas burners are positioned below an underside surface of a griddle; and

selectively heating specific regions of the griddle that correspond with the one or more gas burners turned on, the specific regions each defined by adjacently extending parallel ribs, the ribs extending laterally from a front rib toward a rear end of the underside surface of the griddle such that the front rib and the parallel ribs channel convection heat to flow between the adjacently extending parallel ribs toward the rear end of the griddle and away from the outdoor cooking station.

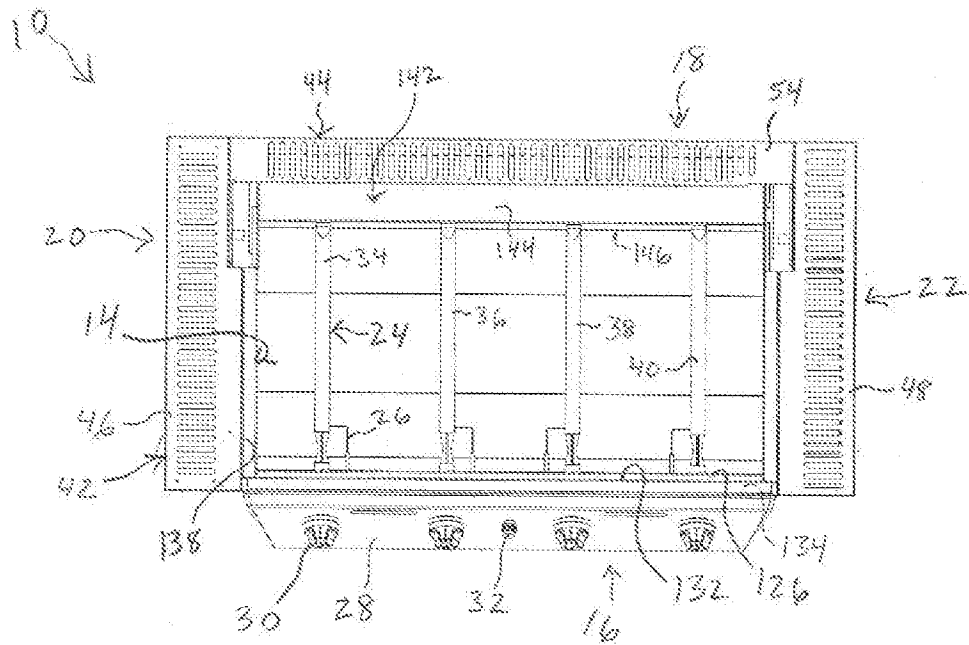
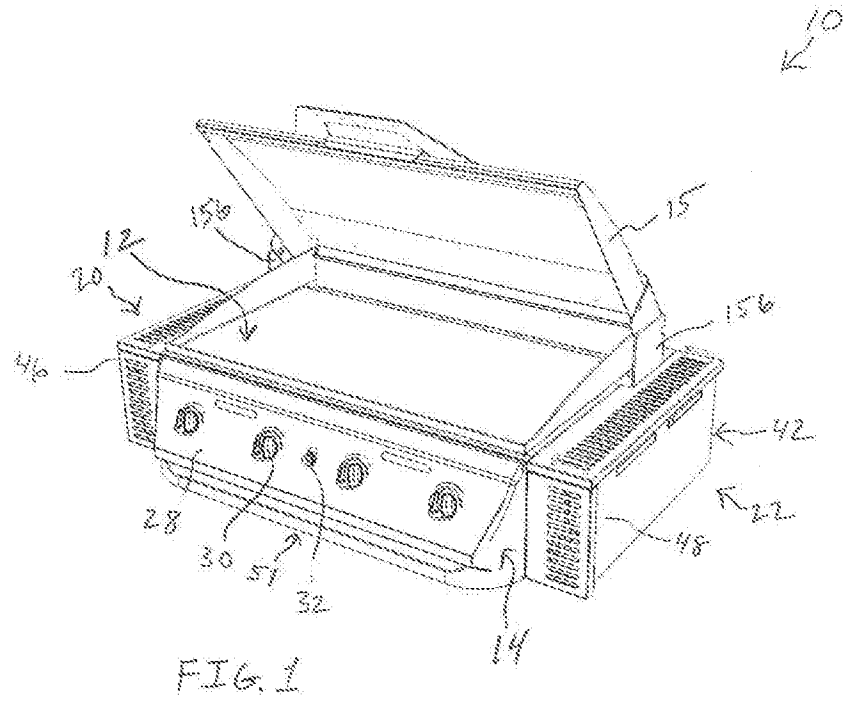
18. The method according to claim 17, wherein the selectively heating comprises selectively heating the specific regions with the parallel ribs substantially preventing convection heat from moving over the parallel ribs by the convection heat being drawn toward the rear end of the griddle.

19. The method according to claim 17, wherein the selectively heating comprises blocking the convection heat from moving toward a front end of the underside of the griddle with a downward facing edge of the front rib resting on a frame of the outdoor cooking station to substantially block the convection heat from escaping out the front side of the cooking station.

20. The method according to claim 17, wherein the selectively heating comprises substantially preventing convection heat from moving over the parallel ribs by drawing the convection heat toward the rear end of the griddle with rear end openings, each rear end opening defined by oppositely positioned rear rib ends of the parallel ribs and the rear end of the underside surface of the griddle and a frame component of the outdoor cooking station, the parallel ribs positioned on the frame component.

ABSTRACT OF THE DISCLOSURE

Devices, systems, and methods for maintaining convection heat within a heating region of a griddle and channeling the convection heat therefrom. The griddle includes a ribbing structure along its underside surface in a configuration that cooperates with the burners of a cooking station. Such ribbing structure allows a user to control the convective heating of the griddle as desired and channels the convective heat to a single side of the griddle, away from the user.



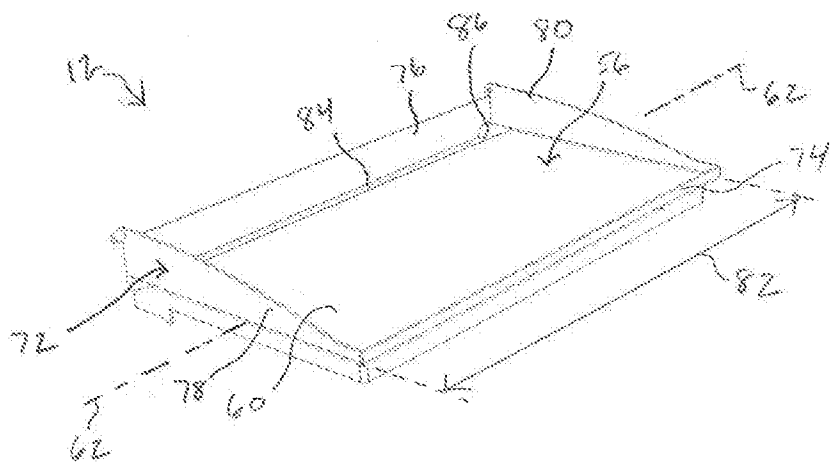


FIG. 3

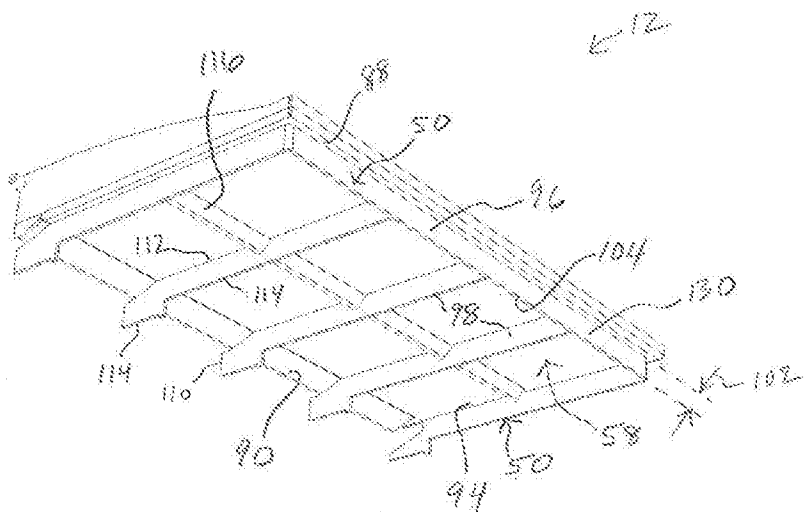


FIG. 4

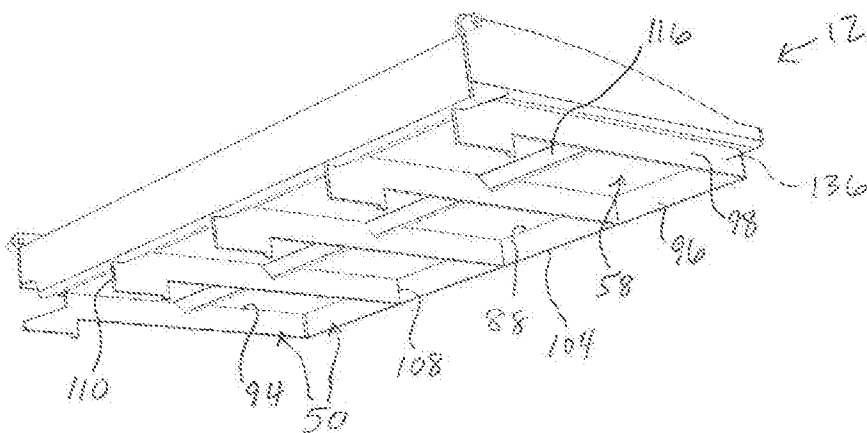


FIG. 5

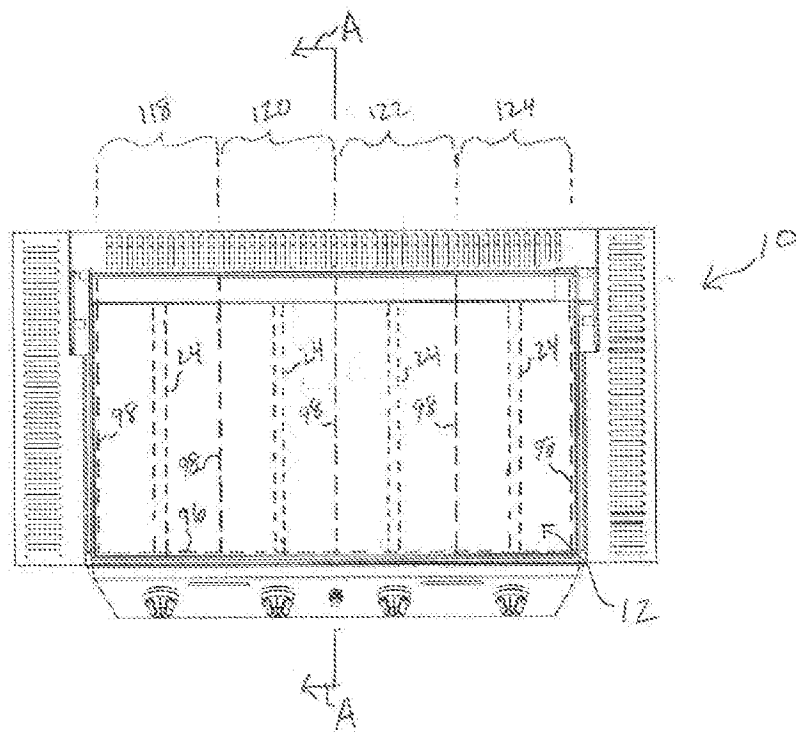


FIG. 6

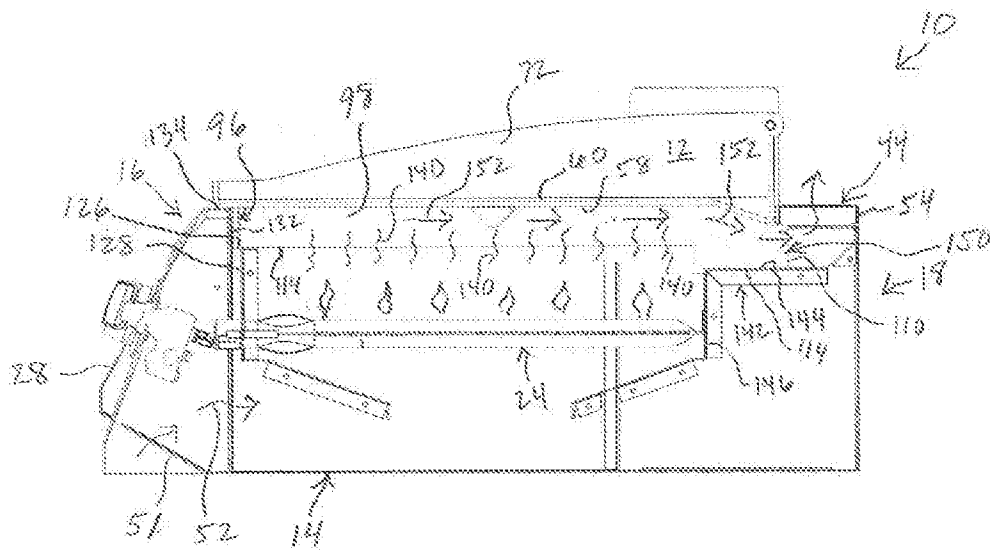


FIG. 6A

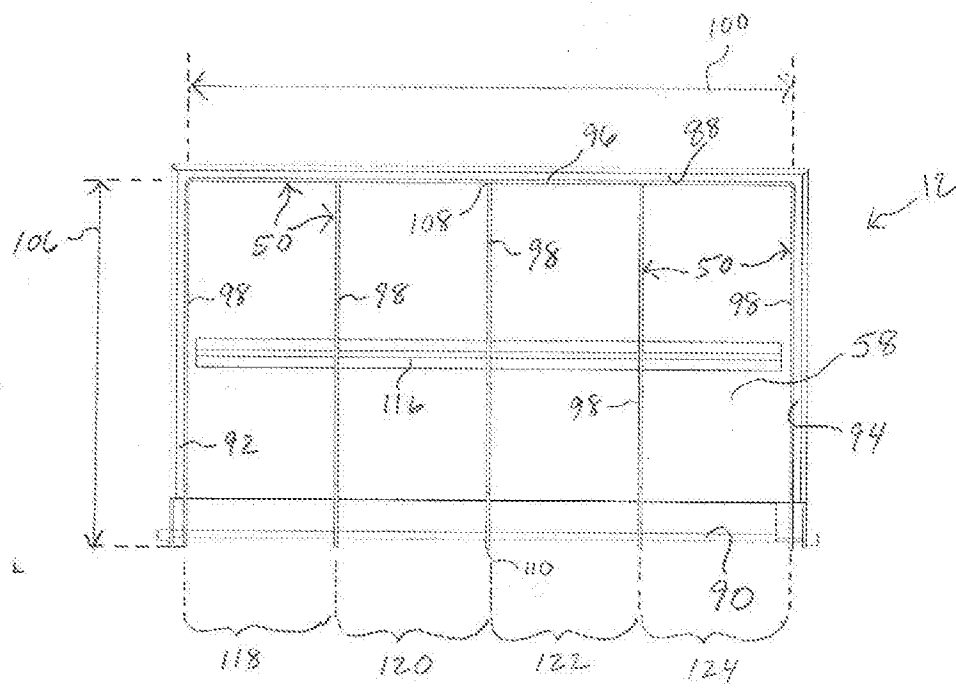


FIG. 7

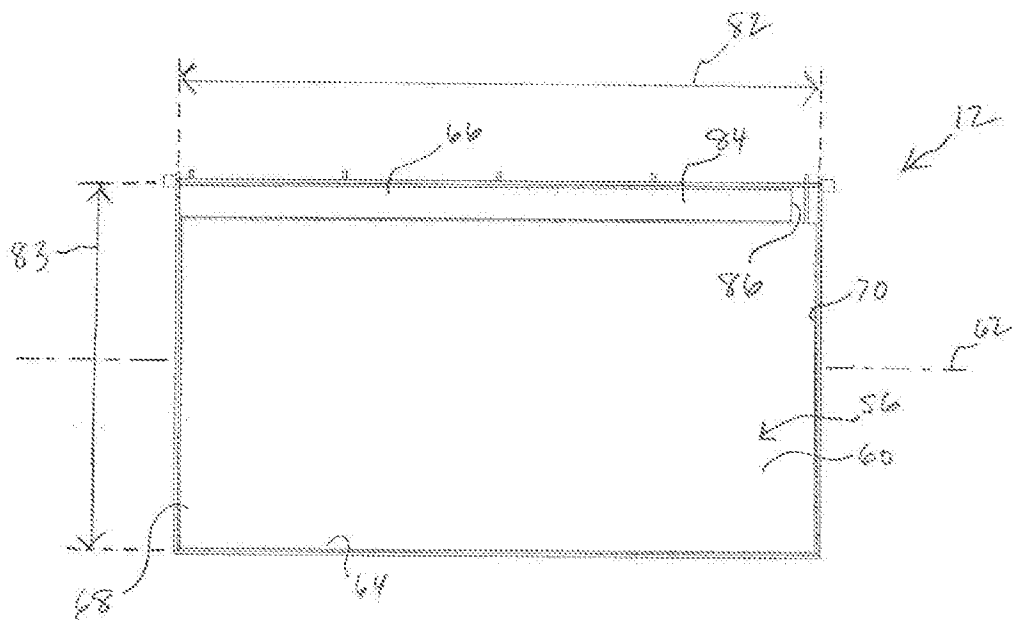


FIG. 8

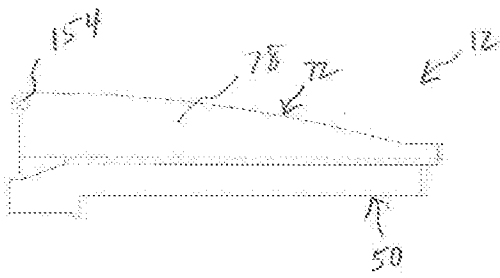


FIG. 10

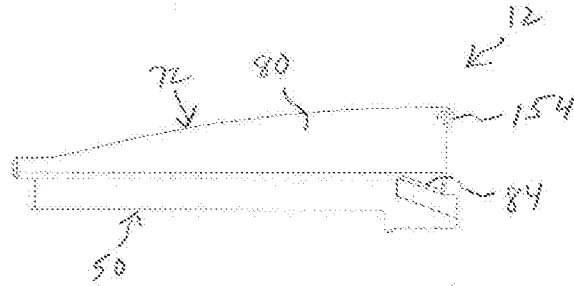


FIG. 11

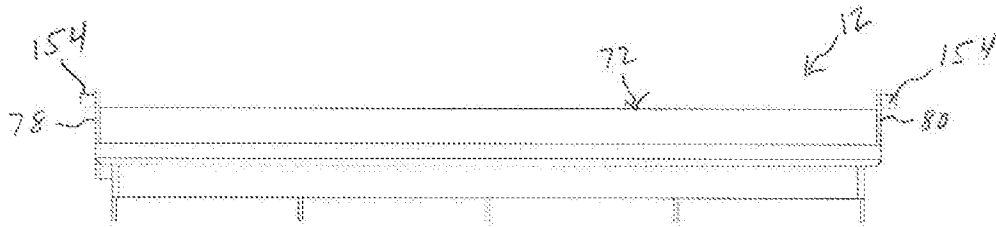


FIG. 12

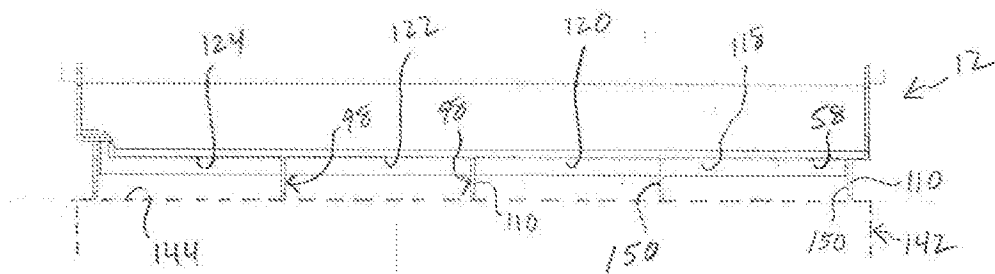


FIG. 9

Electronic Acknowledgement Receipt

EFS ID:	29070948
Application Number:	15582682
International Application Number:	
Confirmation Number:	6128
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE
First Named Inventor/Applicant Name:	Roger Dahle
Customer Number:	61789
Filer:	David L. Stott
Filer Authorized By:	
Attorney Docket Number:	131P7
Receipt Date:	29-APR-2017
Filing Date:	
Time Stamp:	21:09:19
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	aia0014.pdf	1823032	no	8
			8da116d31fe98fada2ea161d4ea538188fba d0b8		

Warnings:

Information:					
2		131P7_PatentApp.pdf	93894	yes	20
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	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	14	
	Claims		15	19	
	Abstract		20	20	
Warnings:					
Information:					
3	Drawings-only black and white line drawings	131P7_Drawings_Informal.pdf	818156	no	5
			685826864f269dcc196423cd6b9a7abd6035ddd5		
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Total Files Size (in bytes):			2735082		
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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/582,682	04/29/2017	Roger Dahle	131P7

CONFIRMATION NO. 6128

FORMALITIES LETTER



61789
DAVID L. STOTT
P.O. BOX 400
PROVIDENCE, UT 84332-0400

Date Mailed: 05/08/2017

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
- The application search fee must be submitted.
- The application examination fee must be submitted.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121(d) are required. The drawings submitted are not acceptable because:
 - The drawings submitted to the Office are not electronically reproducible because portions of figures All are missing and/or blurry.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

- Surcharge as set forth in 37 CFR 1.16(f) must be submitted.

The surcharge is due for any one of:

- late submission of the basic filing fee, search fee, or examination fee,
- late submission of inventor's oath or declaration,
- filing an application that does not contain at least one claim on filing, or
- submission of an application filed by reference to a previously filed application.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. Small entity discount is in effect. If applicant is qualified for micro entity status, an acceptable Certification

of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- \$ 70 basic filing fee.
- \$ 70 surcharge.
- \$ 300 search fee.
- \$ 360 examination fee.
- \$(0) previous unapplied payment amount.
- \$ 800 TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
Roger Dahle
Ryan D. Sharp

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice".
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/aabranysos/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
15/582,682	04/29/2017	3742	0.00	131P7	20	3

CONFIRMATION NO. 6128

FILING RECEIPT



0000000091181129

61789
DAVID L. STOTT
P.O. BOX 400
PROVIDENCE, UT 84332-0400

Date Mailed: 05/08/2017

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Roger Dahle, Providence, UT;
Ryan D. Sharp, American Fork, UT;

Applicant(s)

North Atlantic Imports, LLC, North Logan, UT;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 62/331,673 05/04/2016

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 05/05/2017

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/582,682**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE

Preliminary Class

099

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 15/582,682			
APPLICATION AS FILED - PART I									
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)		
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A			
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A			
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A			
TOTAL CLAIMS (37 CFR 1.16(j))	20	minus 20 = *	x 40 =	0.00	OR				
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *	x 210 =	0.00					
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00					
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00					
			TOTAL	730		TOTAL			
* If the difference in column 1 is less than zero, enter "0" in column 2.									
APPLICATION AS AMENDED - PART II									
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)	
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =		
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =		
	Application Size Fee (37 CFR 1.16(s))					OR			
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR			
			TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE			
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)	
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =		
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =		
	Application Size Fee (37 CFR 1.16(s))					OR			
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR			
			TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.									

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dahle et al.

Serial No.: 15/582,682

Filed: April 29, 2017

For: SYSTEM, DEVICE AND METHOD
FOR CONTROLLING CONVECTIVE
HEATING OF A GRIDDLE

Confirmation No.: 6128

Examiner: Unknown

Group Art Unit: 3742

Attorney Docket No.: 131P7

VIA ELECTRONIC FILING
July 10, 2017

**RESPONSE TO NOTICE TO FILE MISSING PARTS
OF NONPROVISIONAL APPLICATION**

Mail Stop Missing Parts
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The following amendments and remarks are filed in response to the Notice To File Missing Parts mailed May 8, 2017, the two-month shortened statutory period for response to which expires on July 8, 2017. This Response is submitted on July 10, 2017 within the two-month statutory period of response (July 8, 2017, falling on a weekend).

Amendments to the Drawings begin on page 2 of this paper.

Remarks/Arguments begin on page 3 of this paper.

Amendments to the Drawings:

Please replace all five original drawings sheets with the attached five drawing Replacement Sheets. The Replacement Sheets 1/5 through 5/5 provides a clean formal version of all drawing figures provided in the five original drawing sheets. The Replacement Sheets 1/5 through 5/5 are attached as an appendix hereto.

REMARKS

The Notice To File Missing Parts mailed May 8, 2017, has been received and reviewed.

In this Notice, it was indicated that the “drawings are not electronically reproducible because portions of the figures are missing and/or blurry.” As such, Applicant provides herewith a clean version of all drawing figures, replacing each of the five original drawing sheets with five Replacement Sheets, attached as an appendix hereto. No new matter has been added.

Furthermore, Applicant submits herewith executed Declarations, along with the amount of \$70.00 for the missing parts surcharge fee, and the amount of \$730.00 to cover the statutory basic filing fee, search fee, and examination fee.

The total amount of \$800.00 is submitted herewith in payment of all required fees.

Respectfully submitted,

/David L. Stott/

David L. Stott
Registration No. 43,937
Attorney for Applicants

Date: July 10, 2017

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of
Invention

**SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF
A GRIDDLE**

As the below named inventor, I hereby declare that:

This declaration
is directed to:

☐

The attached application, or

☒

United States application or PCT international application number 15/582,682

filed on April 29, 2017

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001
by fine or imprisonment of not more than five (5) years, or both.

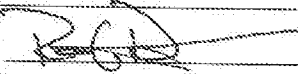
WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Roger Dahle

Date (Optional): _____

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE
--------------------	---

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐

The attached application, or

☒

United States application or PCT international application number 15/582,682

filed on April 29, 2017

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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LEGAL NAME OF INVENTOR

Inventor: Ryan D. Sharp

Date (Optional): _____

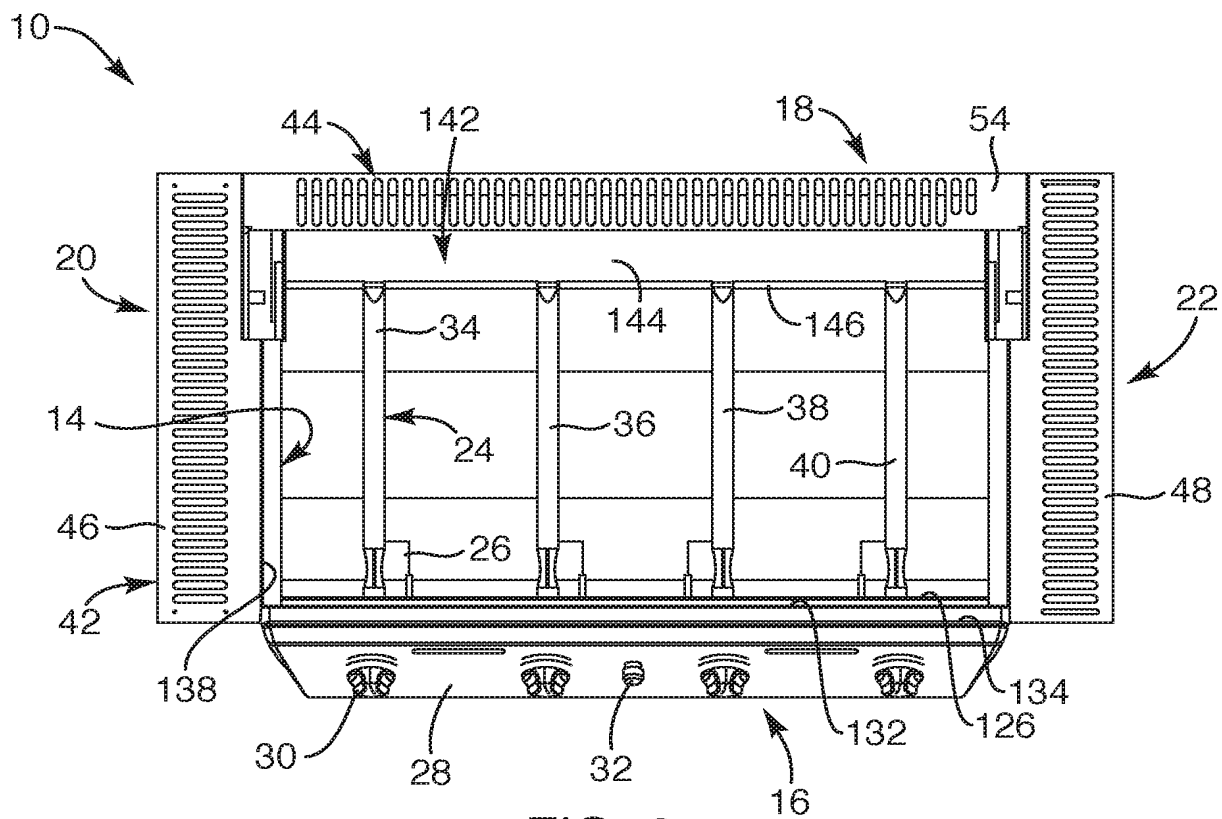
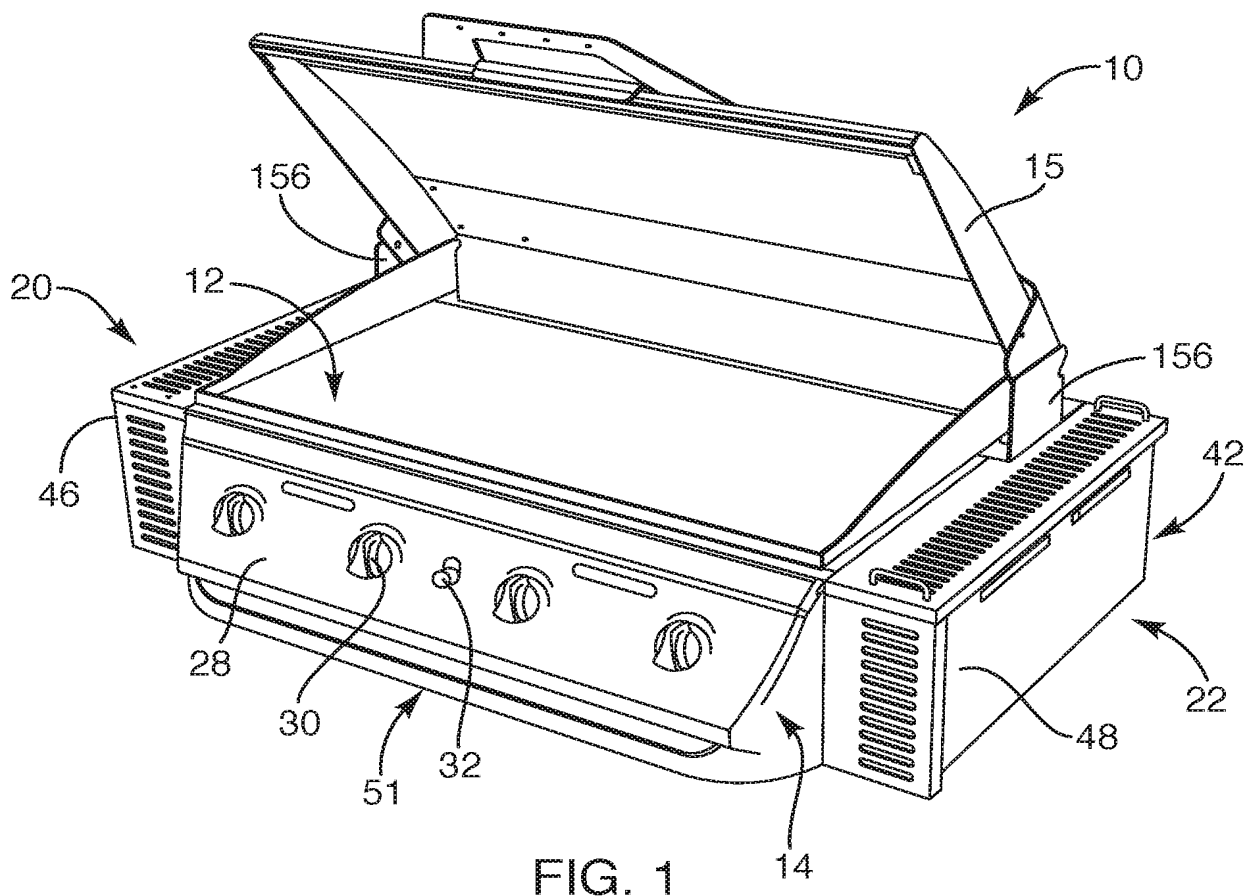
Signature: Ryan Sharp

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

1/5



2/5

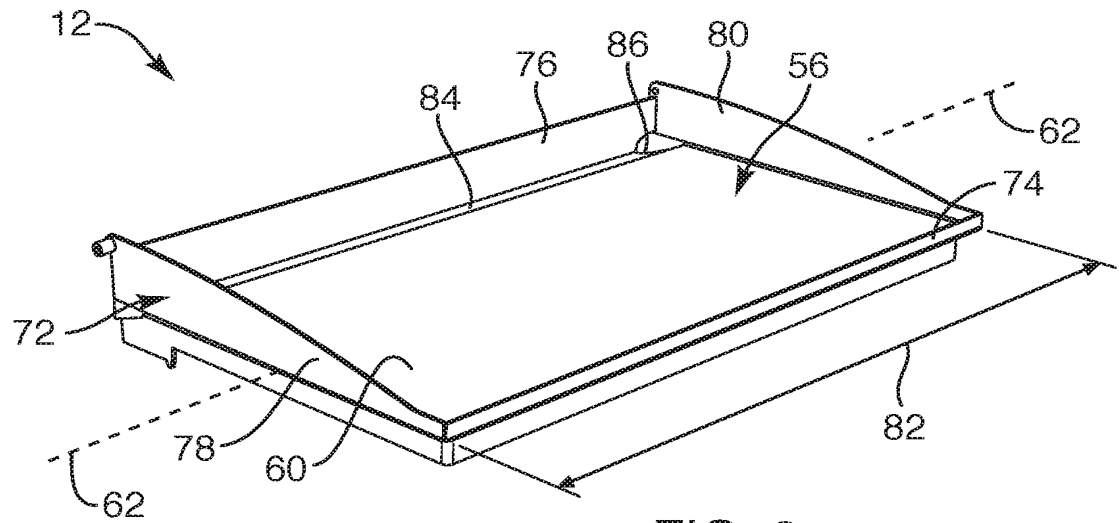


FIG. 3

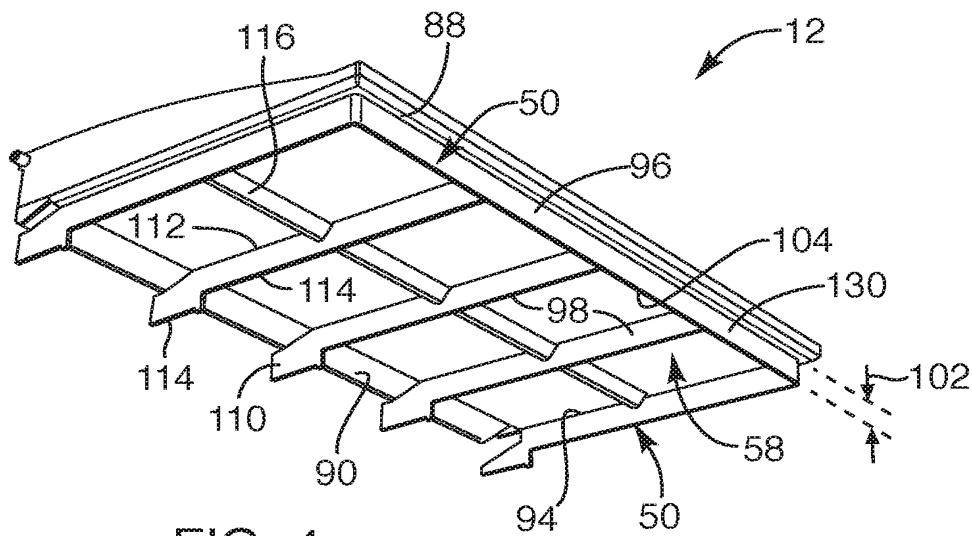


FIG. 4

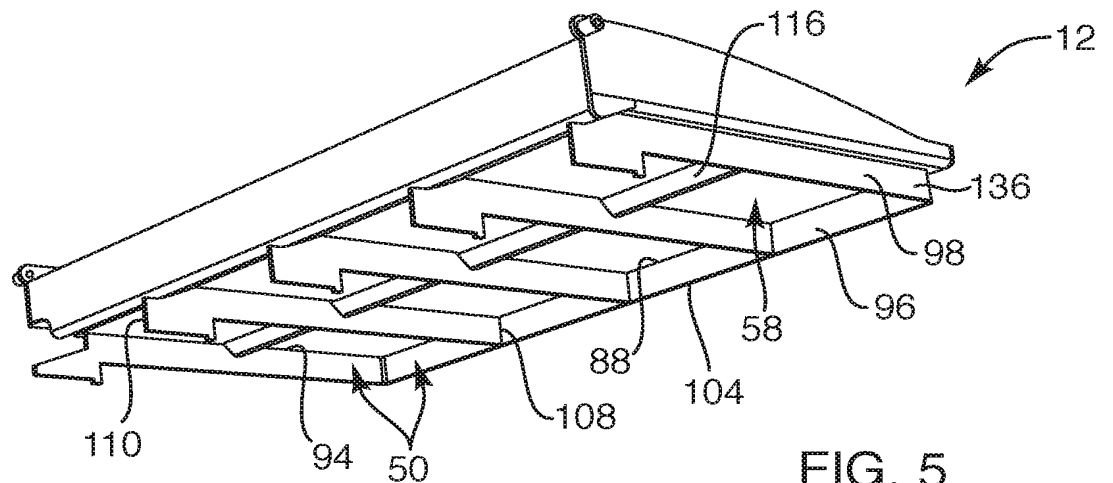
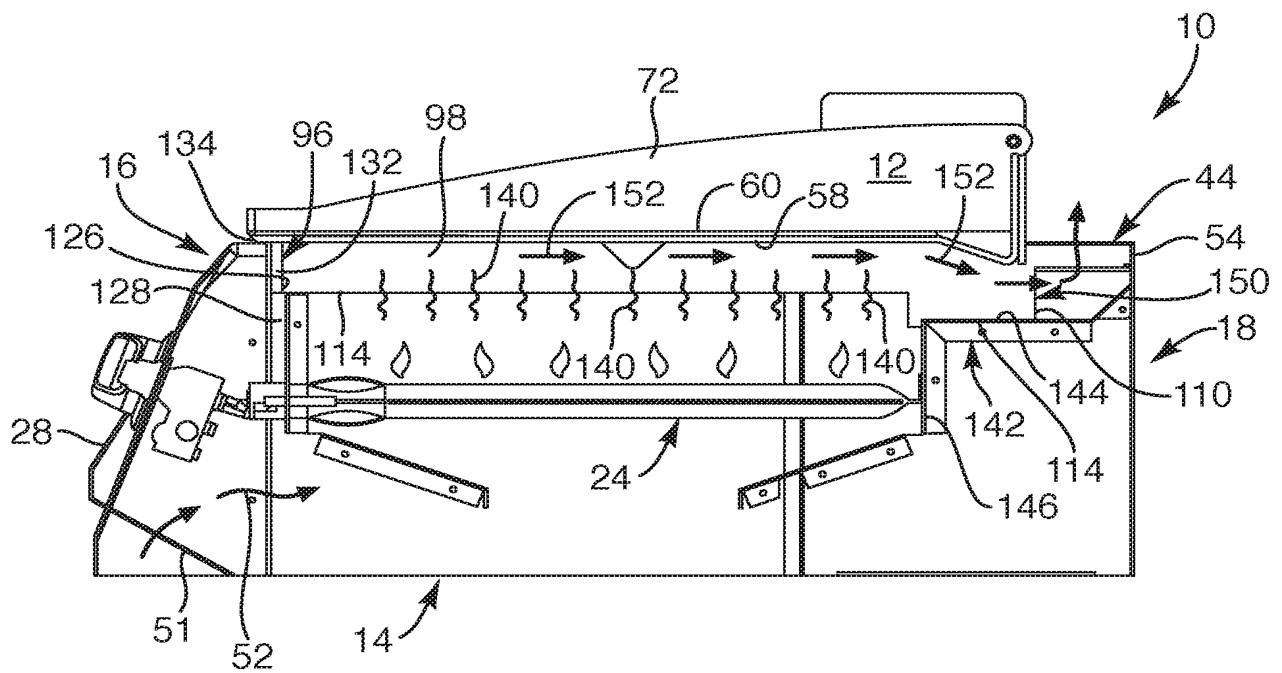
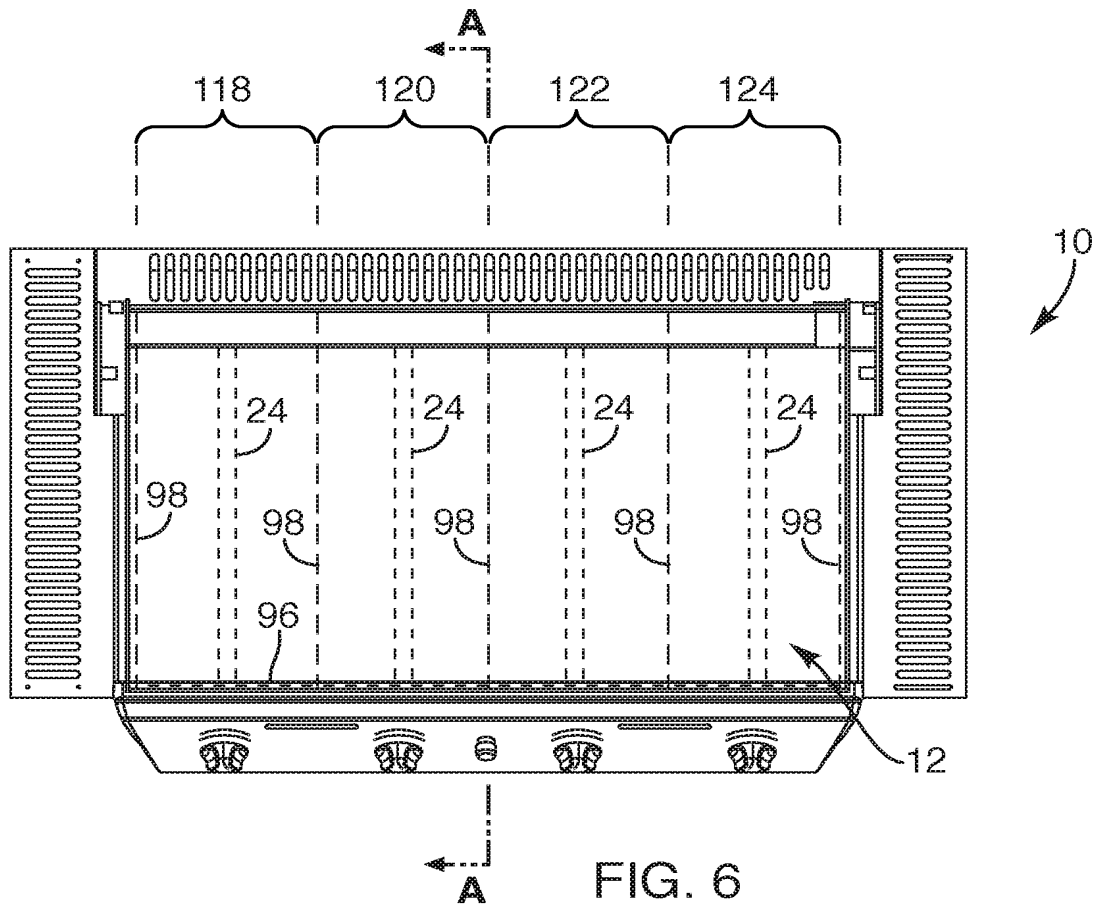


FIG. 5

3/5



4/5

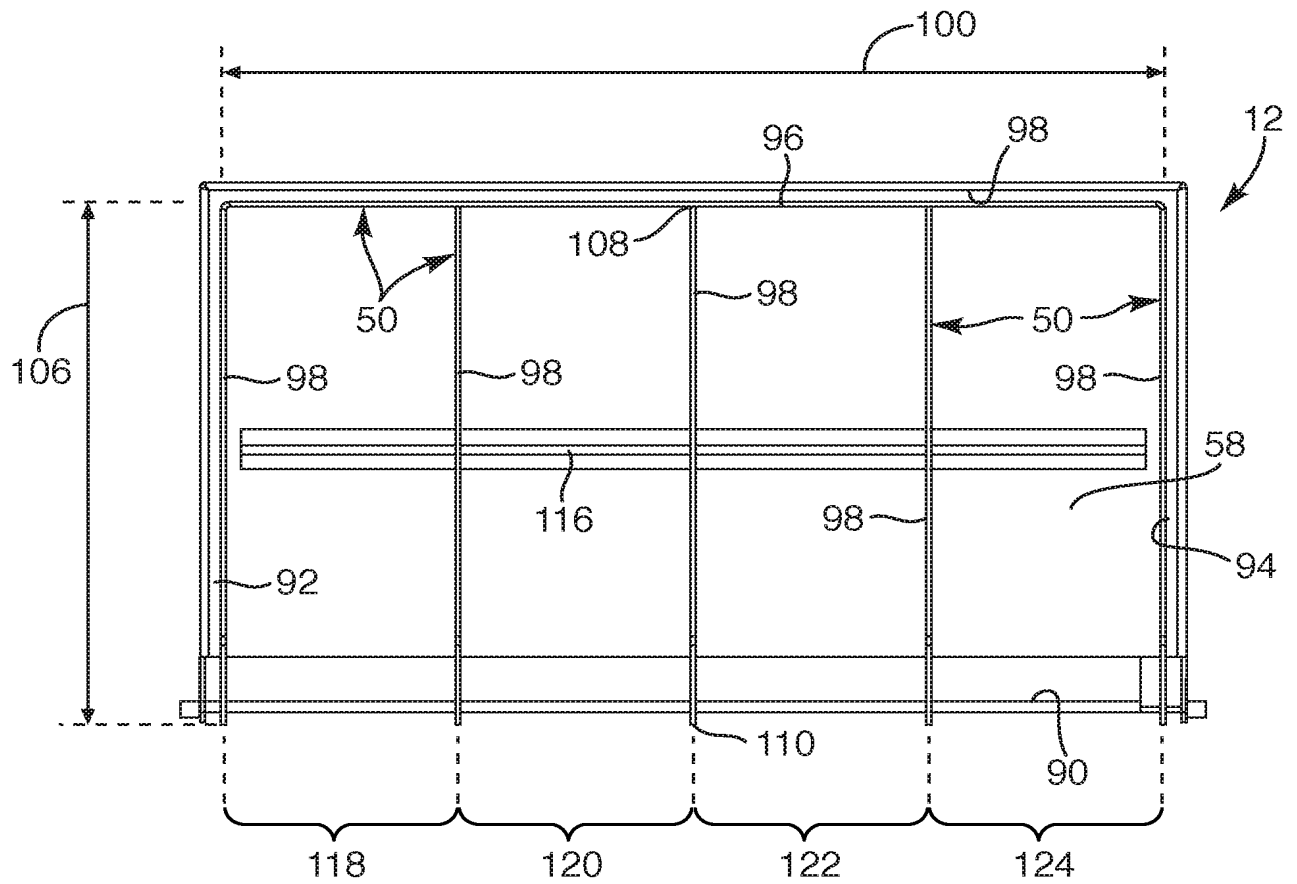


FIG. 7

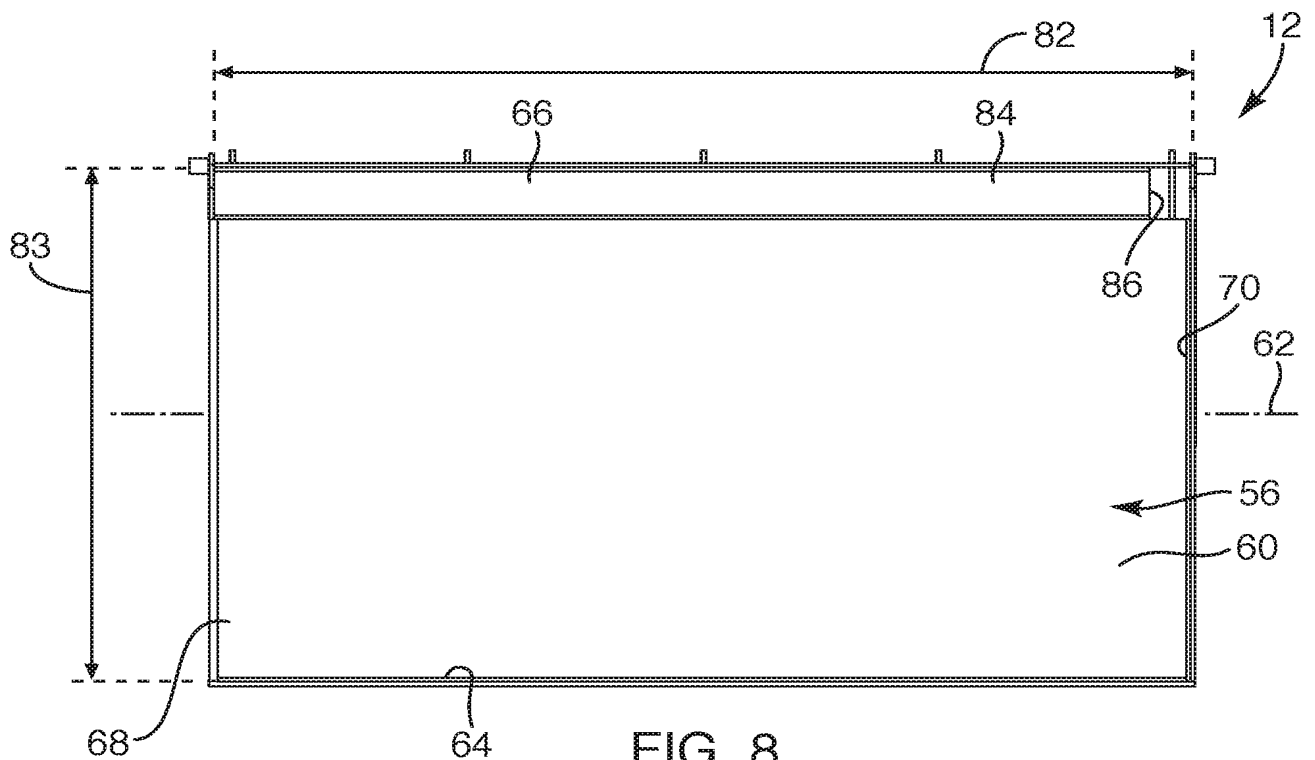


FIG. 8

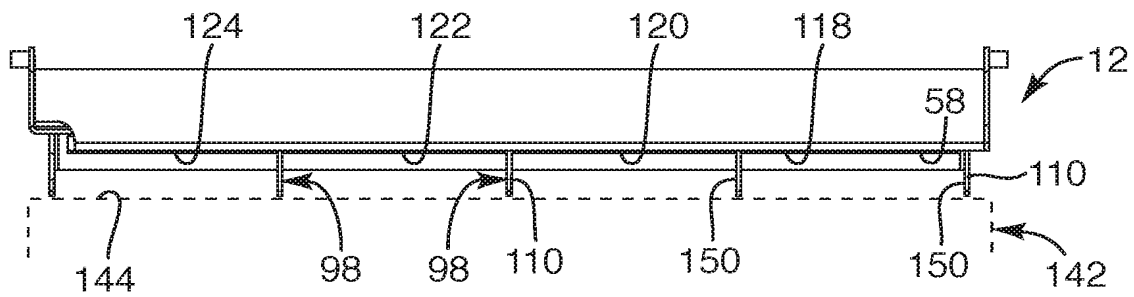


FIG. 9

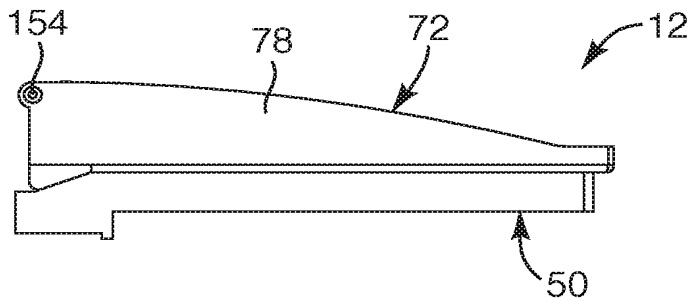


FIG. 10

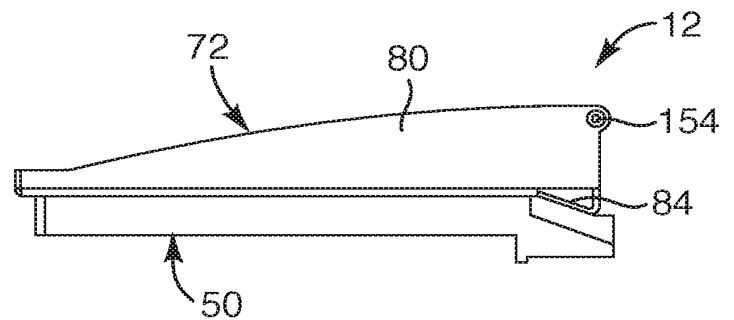


FIG. 11

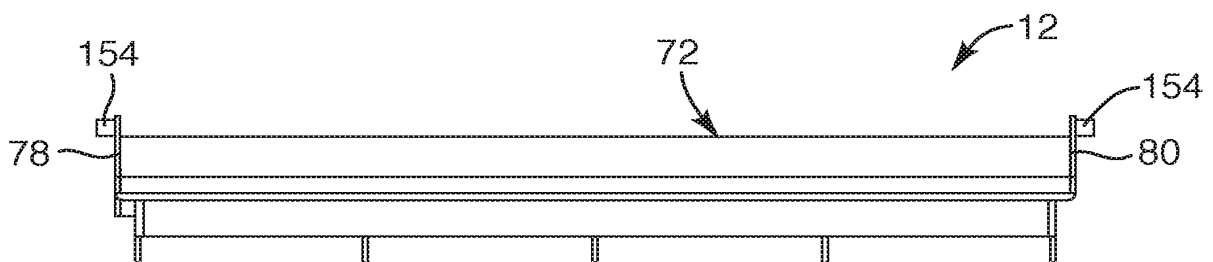


FIG. 12

Electronic Patent Application Fee Transmittal

Application Number:	15582682			
Filing Date:	29-Apr-2017			
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE			
First Named Inventor/Applicant Name:	Roger Dahle			
Filer:	David L. Stott			
Attorney Docket Number:	131P7			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	70	70
UTILITY SEARCH FEE	2111	1	300	300
UTILITY EXAMINATION FEE	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	2051	1	70	70
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				800

Electronic Acknowledgement Receipt

EFS ID:	29739710
Application Number:	15582682
International Application Number:	
Confirmation Number:	6128
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE
First Named Inventor/Applicant Name:	Roger Dahle
Customer Number:	61789
Filer:	David L. Stott
Filer Authorized By:	
Attorney Docket Number:	131P7
Receipt Date:	10-JUL-2017
Filing Date:	29-APR-2017
Time Stamp:	19:36:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$800
RAM confirmation Number	071117INTEFSW19370600
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		NFMP_Response.pdf	24654	yes	3
			6cd40f130301e0781397a659eeb0f4ae87d3c714		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Applicant Response to Pre-Exam Formalities Notice		1	2	
	Applicant Arguments/Remarks Made in an Amendment		3	3	
Warnings:					
Information:					
2	Oath or Declaration filed	Declarations.pdf	919044	no	2
			34850eb40229d3398af0e933fe0409708a970910		
Warnings:					
Information:					
3	Drawings-only black and white line drawings	131P7_Drawing_Replacement_Sheets.pdf	630885	no	5
			300736f41e57e48e6c544056e46f46a8c7674abf		
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	37128	no	2
			641d9e698ac77a3dca3af34c8216cc67282ca34c		
Warnings:					
Information:					
Total Files Size (in bytes):			1611711		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
15/582,682	04/29/2017	3742	800	131P7	20	3

61789
DAVID L. STOTT
P.O. BOX 400
PROVIDENCE, UT 84332-0400

CONFIRMATION NO. 6128
UPDATED FILING RECEIPT



Date Mailed: 08/15/2017

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Roger Dahle, Providence, UT;
Ryan D. Sharp, American Fork, UT;

Applicant(s)

North Atlantic Imports, LLC, North Logan, UT;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 62/331,673 05/04/2016

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 05/05/2017

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/582,682**

Projected Publication Date: 11/23/2017

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE

Preliminary Class

099

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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NOT GRANTED

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 15/582,682	
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)	OR	RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(j))	20	minus 20 = *	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *	x 210 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
			TOTAL	730		TOTAL	
* If the difference in column 1 is less than zero, enter "0" in column 2.							
APPLICATION AS AMENDED - PART II							
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	OR	RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =
	Application Size Fee (37 CFR 1.16(s))					OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR	
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	OR	RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =
	Application Size Fee (37 CFR 1.16(s))					OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR	
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.							

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		15582682
	Filing Date		2017-04-29
	First Named Inventor	Roger Dahle	
	Art Unit	3742	
	Examiner Name		
	Attorney Docket Number	131P7	

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	1201138		1916-10-10	Bingham	
	2	1447813		1923-03-06	Patrick	
	3	5349899		1994-09-27	Tominaga et al.	
	4	5676043		1997-10-14	Best	
	5	D604098		2009-11-17	Hamlin	
	6	D694056		2013-11-26	Dahle	
	7	9119500		2015-09-01	Hamlin	
If you wish to add additional U.S. Patent citation information please click the Add button.						Add
U.S.PATENT APPLICATION PUBLICATIONS						Remove

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	15582682
Filing Date	2017-04-29
First Named Inventor	Roger Dahle
Art Unit	3742
Examiner Name	
Attorney Docket Number	131P7

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20080223359		2008-09-18	Huang	
	2	20100083949		2010-04-08	Lisheng	
	3	20100199857		2010-08-12	Storiz et al.	
	4	20140161952		2014-06-12	Sykes	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button.

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		

If you wish to add additional non-patent literature document citation information please click the Add button.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	15582682
Filing Date	2017-04-29
First Named Inventor	Roger Dahle
Art Unit	3742
Examiner Name	
Attorney Docket Number	131P7

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	15582682
Filing Date	2017-04-29
First Named Inventor	Roger Dahle
Art Unit	3742
Examiner Name	
Attorney Docket Number	131P7

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David L. Stott/	Date (YYYY-MM-DD)	2017-08-25
Name/Print	David L. Stott	Registration Number	43937

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	30188053
Application Number:	15582682
International Application Number:	
Confirmation Number:	6128
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE
First Named Inventor/Applicant Name:	Roger Dahle
Customer Number:	61789
Filer:	David L. Stott
Filer Authorized By:	
Attorney Docket Number:	131P7
Receipt Date:	25-AUG-2017
Filing Date:	29-APR-2017
Time Stamp:	15:39:09
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	updated_IDS.pdf	1050439	no	5
			7b0197a170c14919dddc79907c14892dceb8f4f		

Warnings:

Information:	
Total Files Size (in bytes):	1050439
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15582682
	Filing Date	2017-04-29
	First Named Inventor	Roger Dahle
	Art Unit	3742
	Examiner Name	
	Attorney Docket Number	131P7

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6389960		2002-05-21	Williams et al.	
	2	7348519		2008-03-25	Federspiel et al.	
If you wish to add additional U.S. Patent citation information please click the Add button.						Add

U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					
If you wish to add additional U.S. Published Application citation information please click the Add button.						Add

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							
If you wish to add additional Foreign Patent Document citation information please click the Add button								Add
NON-PATENT LITERATURE DOCUMENTS								Remove

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		15582682
	Filing Date		2017-04-29
	First Named Inventor	Roger Dahle	
	Art Unit	3742	
	Examiner Name		
	Attorney Docket Number	131P7	

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	15582682
Filing Date	2017-04-29
First Named Inventor	Roger Dahle
Art Unit	3742
Examiner Name	
Attorney Docket Number	131P7

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David L. Stott/	Date (YYYY-MM-DD)	2017-08-25
Name/Print	David L. Stott	Registration Number	43937

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	30188173
Application Number:	15582682
International Application Number:	
Confirmation Number:	6128
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE
First Named Inventor/Applicant Name:	Roger Dahle
Customer Number:	61789
Filer:	David L. Stott
Filer Authorized By:	
Attorney Docket Number:	131P7
Receipt Date:	25-AUG-2017
Filing Date:	29-APR-2017
Time Stamp:	15:44:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	updated_IDS_2.pdf	1034869	no	4
			4febbde2df8f5c73af1106afa2b2c0f30cbe4919		

Warnings:

Information:	
Total Files Size (in bytes):	1034869
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.	



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/582,682	04/29/2017	Roger Dahle	131P7

CONFIRMATION NO. 6128

PUBLICATION NOTICE



OC000000095661557

61789
DAVID L. STOTT
P.O. BOX 400
PROVIDENCE, UT 84332-0400

Title:SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE

Publication No.US-2017-0332839-A1

Publication Date:11/23/2017

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <https://portal.uspto.gov/pair/PublicPair>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Dahle et al.

Applicant: North Atlantic Imports, LLC

Serial No.: 15/582,682

Filed: April 29, 2017

For: SYSTEM, DEVICE AND METHOD FOR
CONTROLLING CONVECTIVE HEATING OF
A GRIDDLE

Confirmation No.: 6128

Examiner: Elizabeth M. May

Group Art Unit: 3762

Attorney Docket No.: 131P7

**VIA ELECTRONIC FILING
May 3, 2019**

MISCELLANEOUS COMMUNICATION
CORRECTION OF ENTITY STATUS UNDER 37 CFR 1.28(c)

Mail Stop Petitions
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Under 37 CFR 1.28(c)(1) and (c)(2), this communication hereby notifies the United States Patent and Trademark Office that Applicant of the above-identified application has in good-faith incorrectly claimed small entity status and in good-faith has incorrectly paid the fees corresponding to small entity status. Applicant has learned of its error and here notifies the United States Patent and Trademark Office that Applicant falls under large entity status and submits herewith payment of all deficient fees for the applicable time period. There was no deceptive intent by Applicant. Applicant sets forth below an itemization, as required under 37 CFR 1.28(c)(2), setting forth the deficient amount owed.

Application No. 15/582,682

Type of Fee Paid	Current Large Entity Fee	Fee Actually Paid under Small Entity	Date Small Entity Fee was Actually Paid	Deficiency Payment Owed
Basic Filing Fee	\$300	\$70	July 10, 2017	\$230
Search Fee	\$660	\$300	July 10, 2017	\$360
Examination Fee	\$760	\$360	July 10, 2017	\$400
Surcharge Fee	\$160	\$70	July 10, 2017	\$90
Total				\$1,080

Applicant submits herewith a fee transmittal for the total of \$1,080, to be charged to Deposit Account No. 602917, as the deficiency payment of all required fees in the above-identified application. As such, the Commissioner is hereby authorized to charge the fee of \$1,080 to Deposit Account No. 602917 of David L. Stott, along with any other required fees, or deficiency in the fees indicated.

Applicant respectfully requests the Office excuse this error with this submission.

Respectfully submitted,

/David L. Stott/

David L. Stott
Registration No. 43,937
Attorney for Applicant
(435) 994-8900

Date: May 3, 2019

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

FEE TRANSMITTAL		Complete if known	
☐ Applicant asserts small entity status. See 37 CFR 1.27. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.		Application Number	15/582,682
		Filing Date	April 29, 2017
		First Named Inventor	Roger Dahle
		Examiner Name	Elizabeth M. May
		Art Unit	3762
TOTAL AMOUNT OF PAYMENT		(\$)	1,080
		Practitioner Docket No.	131P7

METHOD OF PAYMENT (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 602917 Deposit Account Name: David L. Stott

For the above-identified deposit account, the Director is hereby authorized to (check all that apply):

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**
☐ Charge any additional fee(s) or underpayment of fee(s) ☐ Credit any overpayment of fee(s)
 under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES** (U = undiscounted fee; S = small entity fee; M = micro entity fee)

Application Type	FILING FEES			SEARCH FEES			EXAMINATION FEES			Fees Paid (\$)
	U (\$)	S (\$)	M (\$)	U (\$)	S (\$)	M (\$)	U (\$)	S (\$)	M (\$)	
Utility	300	150*	75	660	330	165	760	380	190	
Design	200	100	50	160	80	40	600	300	150	
Plant	200	100	50	420	210	105	620	310	155	
Reissue	300	150	75	660	330	165	2,200	1,100	550	
Provisional	280	140	70	0	0	0	0	0	0	

* The \$150 small entity status filing fee for a utility application is further reduced to \$75 for a small entity status applicant who files the application via EFS-Web.

2. EXCESS CLAIM FEES

Fee Description	Undiscounted Fee (\$)	Small Entity Fee (\$)	Micro Entity Fee (\$)
Each claim over 20 (including Reissues)	100	50	25
Each independent claim over 3 (including Reissues)	460	230	115
Multiple dependent claims	820	410	205
Total Claims			
_____ - 20 or HP = _____ x _____ = _____			
HP = highest number of total claims paid for, if greater than 20.			
Indep. Claims			
_____ - 3 or HP = _____ x _____ = _____			
HP = highest number of independent claims paid for, if greater than 3.			

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$400 (\$200 for small entity) (\$100 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

4. OTHER FEE(S)

Non-English specification, \$130 fee (no small or micro entity discount)

Non-electronic filing fee under 37 CFR 1.16(t) for a utility application, \$400 fee (\$200 small or micro entity)

Other (e.g., late filing surcharge): Deficient fees under 37 CFR 1.28(c) 1,080

SUBMITTED BY			
Signature	/David L. Stott/	Registration No. (Attorney/Agent) 43937	Telephone 435-994-8900
Name (Print/Type)	David L. Stott		Date May 3, 2019

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	35914563
Application Number:	15582682
International Application Number:	
Confirmation Number:	6128
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE
First Named Inventor/Applicant Name:	Roger Dahle
Customer Number:	61789
Filer:	David L. Stott
Filer Authorized By:	
Attorney Docket Number:	131P7
Receipt Date:	03-MAY-2019
Filing Date:	29-APR-2017
Time Stamp:	15:33:38
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the Office of Petitions	EntityStatusCorrection131P7.pdf	24852	no	2
			057ea79b63626fa26407839fcd7f704323619bdc		

Warnings:

79 of 182

Information:					
2	Fee Worksheet (SB06)	sb0017.pdf	226399	no	2
			c553a278d088a1b6c0de2202ad4214f64264e73e		
Warnings:					
Information:					
Total Files Size (in bytes):				251251	
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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15/582,682

04/29/2017

Roger Dahle

131P7

6128

61789

7590

08/02/2019

DAVID L. STOTT

P.O. BOX 400

PROVIDENCE, UT 84332-0400

EXAMINER

BASICHAS, ALFRED

ART UNIT

PAPER NUMBER

3762

MAIL DATE

DELIVERY MODE

08/02/2019

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Election

1. This application contains claims directed to the following patentably distinct species.

- | | | | | |
|----|---------|------|----|-----------|
| a. | Species | I | -- | Fig. 1 |
| b. | Species | II | -- | Fig. 2 |
| c. | Species | III | -- | Fig. 3 |
| d. | Species | IV | -- | Fig. 4 |
| e. | Species | V | -- | Fig. 5 |
| f. | Species | VI | -- | Fig. 6,6A |
| g. | Species | VII | -- | Fig. 7 |
| h. | Species | VIII | -- | Fig. 8 |
| i. | Species | IX | -- | Fig. 9 |
| j. | Species | X | -- | Fig. 10 |
| k. | Species | XI | -- | Fig. 11 |
| l. | Species | XII | -- | Fig. 12 |

2. The species are independent or distinct because the distinct species include distinct structure, as shown in the figures. In addition, these species are not obvious variants of each other based on the current record.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species, or a single grouping of patentably indistinct species, for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none of the claims appear generic.

There is a search and/or examination burden for the patentably distinct species as set forth above because at least the following reason(s) apply: The distinct species include distinct structure, as shown in the figures.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species to be examined even though the requirement may be traversed (37 CFR 1.143) **and (ii) identification of the claims encompassing the elected species or grouping of patentably indistinct species**, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

The election may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after

the election, applicant must indicate which of these claims are readable on the elected species or grouping of patentably indistinct species.

Should applicant traverse on the ground that the species, or groupings of patentably indistinct species from which election is required, are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing them to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the species unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103 or pre-AIA 35 U.S.C. 103(a) of the other species.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141.

MULTIPLE INVENTORS

3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be corrected in compliance with 37 CFR 1.48(a) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. A request to correct inventorship under 37 CFR 1.48(a) must be accompanied by an application data sheet in accordance with 37 CFR 1.76 that identifies each inventor by his or her legal name and by the processing fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALFRED BASICHAS whose telephone number is 571 272 4871. The examiner can normally be reached on Monday through Friday during regular business hours.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center telephone number is 571 272 3700.

August 1, 2019

/ALFRED BASICHAS/
Primary Patent Examiner, Art Unit 3762

Electronic Acknowledgement Receipt

EFS ID:	37309687
Application Number:	15582682
International Application Number:	
Confirmation Number:	6128
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE
First Named Inventor/Applicant Name:	Roger Dahle
Customer Number:	61789
Filer:	David L. Stott
Filer Authorized By:	
Attorney Docket Number:	131P7
Receipt Date:	28-SEP-2019
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Application Type:	Utility under 35 USC 111(a)

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Response to Election / Restriction Filed	RR_Response.pdf	23187	no	3
			5c820f224ea615949fab2e15cb3307884162e878		

Warnings:

Information:	
Total Files Size (in bytes):	23187
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dahle et al.

Serial No.: 15/582,682

Filed: April 29, 2017

For: SYSTEM, DEVICE AND METHOD
FOR CONTROLLING CONVECTIVE
HEATING OF A GRIDDLE

Confirmation No.: 6128

Examiner: Alfred Basichas

Group Art Unit: 3762

Attorney Docket No.: 131P7

**VIA ELECTRONIC FILING
September 28, 2019**

RESPONSE TO ELECTION REQUIREMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This communication is in response to the Election Requirement mailed on August 2, 2019, the initial period for response to which expires on October 2, 2019. This Response is being submitted within the initial period of response on September 28, 2019.

REMARKS

Election of Species

Applicant herein acknowledges the election of species requirement in the above-referenced application. The Examiner identified several species of invention, as follows:

Species I, FIG. 1;
Species II, FIG. 2;
Species III, FIG. 3;
Species IV, FIG. 4;
Species V, FIG. 5;
Species VI, FIG. 6 and 6A;
Species VII, FIG. 7;
Species VIII, FIG. 8;
Species IX, FIG. 9;
Species X, FIG. 10;
Species XI, FIG. 11; and
Species XII, FIG. 12.

Applicant hereby elects, without traverse, to prosecute the species of invention as set forth in Species VI, claims 1-6, 8, 10-15, 17-20, illustrated in drawing Figures 6 and 6A.

Applicant notes that upon allowance of a generic claim, any claims depending therefrom in a non-elected species would also be allowable.

Applicant requests an action on the merits of claims 1-6, 8, 10-15, 17-20.

CONCLUSION

An early Office Action on the merits is respectfully solicited.

Respectfully submitted,

/David L. Stott/

David L. Stott
Registration No. 43,937
Attorney for Applicant
(801) 706-8875

Date: September 28, 2019



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/582,682	04/29/2017	Roger Dahle	131P7	6128
61789	7590	10/10/2019		
DAVID L. STOTT			EXAMINER	
P.O. BOX 400			BASICHAS, ALFRED	
PROVIDENCE, UT 84332-0400				
			ART UNIT	PAPER NUMBER
			3762	
			MAIL DATE	DELIVERY MODE
			10/10/2019	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Species VI – Fig. 6 and 6A in the reply filed on September 28, 2019, is acknowledged. Accordingly Claims 7, 9, and 16 have been withdrawn from further consideration and claims 1-6, 8, 10-15, and 17-20 have been examined.
2. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be corrected in compliance with 37 CFR 1.48(a) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. A request to correct inventorship under 37 CFR 1.48(a) must be accompanied by an application data sheet in accordance with 37 CFR 1.76 that identifies each inventor by his or her legal name and by the processing fee required under 37 CFR 1.17(i).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

(a)(2) the claimed invention was described in a patent issued under section 151, or in an application for patent published or deemed published under section 122(b), in which the patent or application, as the case may be, names another inventor and was effectively filed before the effective filing date of the claimed invention.

4. Claims 1-4, 8, 10-13, 15, and 17-20 are rejected under 35

U.S.C. 102(a)(1)/(a)(2) as being anticipated by **Reynolds (4,715,356)**, which shows all of the claimed limitations. Reynolds shows:

1. A cooking system, comprising: a frame extending with a front side **14**, a rear side **13**, a left side **12**, and a right side **12** each extending between a lower portion and an upper portion (**fig. 1**); multiple burners **B** coupled to and extending between the front side and the rear side of the frame (**fig. 1,2,4,5**); and a griddle **G** sized to be suspended by the frame to be positioned on the upper portion of the frame, the griddle having a cooking surface and an underside surface, the underside surface extending to define a rectangular shape with a front end, a rear end, a left end, and a right end, the griddle including a front rib **15** and multiple lateral ribs **30,31,33**, the front rib extending along the front end of the underside surface, and the multiple lateral ribs extending along the underside surface from the front rib to the rear end of the underside surface, the multiple lateral ribs being spaced from each other so as to define multiple heating regions such that each heating region is defined between adjacently extending lateral ribs, each of the heating regions includes one of the multiple burners positioned below one of the multiple heating regions, each of the lateral ribs extend downward from the underside surface a height so as to funnel convection heat from any one of the multiple burners toward the rear end of the underside surface of the griddle and from the rear side of the frame (**fig. 1,2,4,5; Abstract**).
2. The cooking system of claim 1, wherein the front rib substantially blocks convection heat from escaping from the front side of the frame (**fig. 1; inherent**).
3. The cooking system of claim 1, wherein the adjacently extending lateral ribs are sized to substantially prevent convection heat from moving over the

adjacently extending lateral ribs and directly, convectively heating adjacent heating regions (**fig. 2,5,6,7**).

4. The cooking system of claim 1, wherein the adjacently extending lateral ribs are sized to substantially maintain convection heat between the adjacently extending lateral ribs to only convectively heat the corresponding heating region between the adjacently extending lateral ribs (**fig. 2,5,6,7**).

8. The cooking system of claim 1, wherein the front rib and the lateral ribs facilitate channeling convection heat to a rear side of the frame (**fig. 2,5,6,7; inherent**).

10. A griddle configured to control convection heat from one or more gas flame burners of a cooking station, the griddle comprising: a cooking surface having a rectangular shape, the cooking surface configured to face upward; an underside surface, the underside surface extending to generally correspond with the cooking surface, the underside surface facing in an opposite direction than the cooking surface, the underside surface extending to define a periphery with a front end, a rear end, a left end, and a right end; a front rib having a front rib height and coupled to the front end of the underside surface, the front rib extending longitudinally along the front end of the underside surface; and multiple lateral ribs each extending laterally relative to the front rib and extending along the underside surface from the front rib to the rear end of the underside surface, the multiple lateral ribs being spaced from each other so as to define multiple heating regions such that each heating region is defined between adjacently extending lateral ribs, the heating regions each configured to be positioned above a gas flame burner, each of the lateral ribs extend downward from the underside surface a lateral rib height such that the adjacently extending lateral ribs are configured to funnel the convection heat from the gas flame burner toward the rear end of the underside surface and away from a rear side of the cooking station (**see previous claims**).

11. The griddle of claim 10, wherein the front rib substantially blocks the convection heat from escaping a front side of the underside surface (**see previous claims**).

12. The griddle of claim 10, wherein the adjacently extending lateral ribs are sized to substantially prevent convection heat from moving over the adjacently

extending lateral ribs and directly, convectively heating adjacent heating regions (see previous claims).

13. The griddle of claim 10, wherein the adjacently extending lateral ribs are sized to substantially maintain convection heat therebetween to only convectively heat the corresponding heating region between the adjacently extending lateral ribs (see previous claims).

15. The griddle of claim 10, further comprising a splash guard 25 extending upward above a periphery of the cooking surface (fig. 1).

17. A method for selectively heating regions of a griddle with convection heat from one or more gas flame burners of an outdoor cooking station, the method comprising: turning on one or more gas burners of the outdoor cooking station such that the one or more gas burners are positioned below an underside surface of a griddle; and selectively heating specific regions of the griddle that correspond with the one or more gas burners turned on, the specific regions each defined by adjacently extending parallel ribs, the ribs extending laterally from a front rib toward a rear end of the underside surface of the griddle such that the front rib and the parallel ribs channel convection heat to flow between the adjacently extending parallel ribs toward the rear end of the griddle and away from the outdoor cooking station (see previous claims).

18. The method according to claim 17, wherein the selectively heating comprises selectively heating the specific regions with the parallel ribs substantially preventing convection heat from moving over the parallel ribs by the convection heat being drawn toward the rear end of the griddle (see previous claims).

19. The method according to claim 17, wherein the selectively heating comprises blocking the convection heat from moving toward a front end of the underside of the griddle with a downward facing edge of the front rib resting on a frame of the outdoor cooking station to substantially block the convection heat from escaping out the front side of the cooking station (see previous claims).

20. The method according to claim 17, wherein the selectively heating comprises substantially preventing convection heat from moving over the parallel ribs by drawing the convection heat toward the rear end of the griddle with rear end openings, each rear end opening defined by oppositely positioned rear rib ends of the parallel ribs and the rear end of the underside surface of the griddle and a

frame component of the outdoor cooking station, the parallel ribs positioned on the frame component (**see previous claims**).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

7. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

8. **Claims 5, 6, and 14 are rejected** under 35 U.S.C. 103(a) as being unpatentable over **Reynolds (4,715,356)**, which discloses substantially all of the claimed limitations.

Reynolds discloses the cooking surface of the griddle comprises a trough 22 configured to catch grease, an opening and funnel 23, but fails to specifically recite the claimed location being only along a rear end surface of the cooking surface.

a. The claimed shape/size/location/orientation is an obvious modification based on design choice, and depends on spatial considerations such as availability of space and arrangement of other components. Accordingly, it would have been obvious to one having ordinary skill in the art before the effective filing date of the claimed invention to incorporate the location of the trough in the rear of the cooking surface into the invention disclosed by Reynolds, so as to provide for spatial considerations.

~~-OR-~~

b. Official Notice is given that the claimed location of the trough is old and well known in the art. Such an arrangement has the clear and obvious benefit of providing for convenience and safety of the cook by avoiding dropping grease on the floor. Accordingly, it would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to incorporate the claimed location of the trough into the invention disclosed by Reynolds, so as to provide for convenience and safety.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALFRED BASICHAS whose telephone number is 571 272 4871. The examiner can normally be reached on Monday through Friday during regular business hours.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center telephone number is 571 272 3700.

October 9, 2019

/ALFRED BASICHAS/
Primary Patent Examiner, Art Unit 3762

<i>Notice of References Cited</i>	Application/Control No. 15/582,682		Applicant(s)/Patent Under Reexamination Dahle et al.	
	Examiner ALFRED BASICHAS		Art Unit 3762	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-4715356-A	12-1987	Reynolds; Howard S.	F24C3/067	126/214R
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Search Notes</i> 	Application/Control No. 15/582,682	Applicant(s)/Patent Under Reexamination Dahle et al.
	Examiner ALFRED BASICHAS	Art Unit 3762

CPC - Searched*		
Symbol	Date	Examiner
A47J37/0682 F24C15/322 H05B6/6473 F24C15/12 A21B1/245 F24C3/14		

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
CONDUCTED INVENTOR SEARCH		
SEE ATTACHED EAST PRIOR ART SEARCH HISTORY	10/09/2019	AB

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/ALFRED BASICHAS/ Primary Patent Examiner, Art Unit 3762	
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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	18	(US-20170332839-\$ or US-20140161952-\$ or US-20100199857-\$ or US-20100083949-\$ or US-20080223359-\$ or US-20070163568-\$ or US-20100175682-\$ or US-20180220845-\$ or US-20170332838-\$).did. or (US-5676043-\$ or US-4724823-\$ or US-4715356-\$ or US-4608917-\$ or US-10327589-\$ or US-9782039-\$ or US-7647866-\$).did. or (US-2175043-\$).did. or (US-20170332839-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2019/10/09 14:53
L14	138529	burners	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 14:53
L15	5355	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 14:53
L16	7012537	regions or areas or zones	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 14:53
L17	218	L14 and L15 and L16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 14:53
L18	11	L17 and 13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 14:53
S1	4	"15582682"	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2019/10/07 14:06

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S4	138529	burners	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 09:31
S5	5355	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 09:31
S6	7012537	regions or areas or zones	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 09:32
S7	218	S4 and S5 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 09:32
S8	560689	cooking	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 09:33
S9	209	S7 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 09:33
S10	10120	(A47J37/0682 F24C15/322 H05B6/6473 F24C15/12 A21B1/245	US-PGPUB; USPAT;	OR	OFF	2019/10/08 09:33

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S12	23719824	support or base or ribs	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:31
S13	5355	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:32
S14	765	S13 with S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:32
S15	10120	(A47J37/0682 F24C15/322 H05B6/6473 F24C15/12 A21B1/245 F24C3/14).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:32
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S17	98	("5911812" "5964145" "D745802" "20150335200" "20180220845" "5678531" "4909137" "6205995" "7638738" "9192178" "4608917" "8137723" "D694056" "5884555" "20170332838" "2362757" "6644175" "8151698" "9215949" "4119021" "4598634" "2786929").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:38
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S20	16	S19 and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 16:35
S21	7	S20 not S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 16:35
S22	11	plancha	USPAT	OR	OFF	2019/10/09 09:59
S23	84612	"flat plate"	USPAT	OR	OFF	2019/10/09 10:00
S24	138529	burners	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:00
S25	7012537	regions or areas or zones	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:00
S26	279	S24 and S23 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:00
S27	5355	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:01
S28	218	S24 and S27 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2019/10/09 10:01

			DERWENT; IBM_TDB			
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S30	10120	(A47J37/0682 F24C15/322 H05B6/6473 F24C15/12 A21B1/245 F24C3/14).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:02
S31	1	S29 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:02
S32	2	S26 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:04
S33	326882	"flat plate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:18
S34	557	S24 and S33 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:18
S35	278	S34 not S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:19
S36	3	S35 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:19
S37	111015	"hot plate"	US-PGPUB; USPAT; USOCR;	OR	OFF	2019/10/09 10:19

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S38	277	S24 and S37 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:20
S39	6	S38 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:20
S40	196	("0900998" "1176720" "1764719" "2180868" "2216851" "2884849" "2940381" "3008406" "3241542" "3369481" "3422746" "3443510" "3489133" "3837329" "3842726" "3946651" "4201184" "4569328" "4570610" "4580550" "5413032" "5467695").PN. OR ("2007/0163568" "2008/0223359" "2010/0083949" "2010/0175682" "2010/0199857" "2014/0161952" "2017/0332839" "2175043" "4608917" "4715356" "4724823" "5676043").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/09 10:21
S41	24	("20150335200" "20170332838" "20180220845" "2362757" "2786929" "4119021" "4598634" "4608917" "4909137" "5678531" "5884555" "5911812" "5964145" "6205995" "6644175" "7638738" "8137723" "8151698" "9192178" "9215949" "D694056" "D745802").PN. OR ("10327589").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/09 10:22
S42	1	("2017/0332838").URPN.	USPAT	OR	OFF	2019/10/09 10:26
S43	41	("1748742" "20060016348" "20100175682" "20150335200" "20170332838" "20180220845" "2362757" "2786929" "3994211" "4119021" "4245147" "4598634" "4608917" "4633772" "4724826" "4895131" "4909137" "5413032" "5676043" "5678531" "5884555" "5911812" "5964145" "6205995" "6644175" "7638738" "7647866" "8074563" "8137723" "8151698" "8757052" "9192178" "9215949" "D694056" "D745802").PN. OR ("10327589" "2017/0332838" "2018/0220845" "9782039").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/09 10:26
S44	17	S43 not S41	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/09 10:27

S45	28	("1201138" "1961391" "1993356" "20020096056" "20050045170" "20050204931" "20070137499" "5237914" "5413032" "5524528" "5678531" "5911812" "5957123" "6057528" "6640695" "6736051" "D468580").PN. OR ("7647866").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/09 10:28
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10/ 9/ 2019 3:52:43 PM
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Doc code: IDS

PTO/SB/08a (03-15)

Doc description: Information Disclosure Statement (IDS) Filed

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	15582682
Filing Date	2017-04-29
First Named Inventor	Roger Dahle
Art Unit	3742
Examiner Name	
Attorney Docket Number	131P7

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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	2	1447813		1923-03-06	Patrick	
	3	5349899		1994-09-27	Tominaga et al.	
	4	5676043		1997-10-14	Best	
	5	D604098		2009-11-17	Hamlin	
	6	D694056		2013-11-26	Dahle	
	7	9119500		2015-09-01	Hamlin	
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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20080223359		2008-09-18	Huang	
	2	20100083949		2010-04-08	Lisheng	
	3	20100199857		2010-08-12	Storiz et al.	
	4	20140161952		2014-06-12	Sykes	

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(Not for submission under 37 CFR 1.99)

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Filing Date	2017-04-29	
First Named Inventor	Roger Dahle	
Art Unit	3742	
Examiner Name		
Attorney Docket Number	131P7	

EXAMINER SIGNATURE

Examiner Signature	/ALFRED BASICHAS/	Date Considered	10/08/2019
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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David L. Stott/	Date (YYYY-MM-DD)	2017-08-25
Name/Print	David L. Stott	Registration Number	43937

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS

PTO/SB/08a (03-15)

Doc description: Information Disclosure Statement (IDS) Filed

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First Named Inventor	Roger Dahle
Art Unit	3742
Examiner Name	
Attorney Docket Number	131P7

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
	1	6389960		2002-05-21	Williams et al.			
	2	7348519		2008-03-25	Federspiel et al.			
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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
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Examiner Name	
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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
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See attached certification statement.

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Signature	/David L. Stott/	Date (YYYY-MM-DD)	2017-08-25
Name/Print	David L. Stott	Registration Number	43937

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15582682

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05/03/2019

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method
I2019AB801321941	1461	1.28(C) SUBMISSIONS - APPLIC FILE FEE	\$1,080.00	Deposit Account



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/582,682	04/29/2017	Roger Dahle	131P7	6128
61789	7590	11/14/2019		
DAVID L. STOTT			EXAMINER	
P.O. BOX 400			BASICHAS, ALFRED	
PROVIDENCE, UT 84332-0400				
			ART UNIT	PAPER NUMBER
			3762	
			MAIL DATE	DELIVERY MODE
			11/14/2019	PAPER

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The time period for reply, if any, is set in the attached communication.



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In re Application of :
Dahle et al. :
Application No. 15/582,682 :
Filed: April 29, 2017 : **DECISION ON PETITION**
For: SYSTEM, DEVICE AND METHOD :
FOR CONTROLLING CONVECTIVE :
HEATING OF A GRIDDLE :

This is a Notice regarding the request for acceptance of a fee deficiency submission under 37 CFR 1.28(c) filed May 3, 2019.

There is no indication that the petition is signed by a registered patent attorney or patent agent of record. However, in accordance with 37 CFR 1.34, the signature of David L. Stott appearing on the correspondence shall constitute a representation to the United States Patent and Trademark Office that he is authorized to represent the particular party in whose behalf he/she acts.

The Office no longer investigates or rejects original or reissue applications under 37 CFR 1.56. 1098 Off. Gaz. Pat. Office 502 (January 3, 1989). Therefore, nothing in this Notice is intended to imply that an investigation was done.

The fee deficiency submission under 37 CFR 1.28(c) is **ACCEPTED**. Accordingly, status as a small entity has been removed and any future fee(s) submitted must be paid at the undiscounted rate.

Inquiries related to this communication should be directed to Paralegal Specialist Felicia Jenkins at (571) 272-0986.

/JOANNE L BURKE/
Lead Paralegal Specialist, OPET

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 15/582,682		Filing Date 04/29/2017		☐ To be Mailed	
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO									
APPLICATION AS FILED - PART I									
		(Column 1)	(Column 2)						
FOR		NUMBER FILED	NUMBER EXTRA		RATE (\$)		FEE (\$)		
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A	N/A		N/A				
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))		N/A	N/A		N/A				
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A		N/A				
TOTAL CLAIMS (37 CFR 1.16(i))		minus 20 = *		x \$80 =					
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 = *		x \$420 =					
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))									
* If the difference in column 1 is less than zero, enter "0" in column 2.					TOTAL				
APPLICATION AS AMENDED - PART II									
		(Column 1)		(Column 2)	(Column 3)				
AMENDMENT	01/10/2020	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	x \$100 =		0	
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0	x \$460 =		0	
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE		0	
		(Column 1)		(Column 2)	(Column 3)				
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =			
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						LIE			
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/JAMES ELLIOTT/			
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This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dahle et al.

Serial No.: 15/582,682

Filed: April 29, 2017

For: SYSTEM, DEVICE AND METHOD FOR
CONTROLLING CONVECTIVE HEATING OF
A GRIDDLE

Confirmation No.: 6128

Examiner: Alfred Basichas

Group Art Unit: 3762

Attorney Docket No.: 131P7

**VIA ELECTRONIC FILING
January 10, 2020**

AMENDMENT SUBMITTED UNDER 37 CFR 1.111

Mail Stop Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The following amendments and remarks are filed in response to the Examiner's remarks in the non-final Office Action mailed October 10, 2019, the three-month shortened statutory period for response to which expires on January 10, 2020. This response is submitted on January 10, 2020, within the shortened statutory period for response.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 7 of this paper.

Electronic Acknowledgement Receipt

EFS ID:	38268779
Application Number:	15582682
International Application Number:	
Confirmation Number:	6128
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE
First Named Inventor/Applicant Name:	Roger Dahle
Customer Number:	61789
Filer:	David L. Stott
Filer Authorized By:	
Attorney Docket Number:	131P7
Receipt Date:	10-JAN-2020
Filing Date:	29-APR-2017
Time Stamp:	18:01:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Amendment.pdf	50468	yes	10
			0c8bd527e43f3896aabb99e083c6d027106b9f4b7		

Multipart Description/PDF files in .zip description			
Document Description	Start	End	
Applicant Arguments/Remarks Made in an Amendment	7	10	
Claims	2	6	
Amendment/Req. Reconsideration-After Non-Final Reject	1	1	
Warnings:			
Information:			
Total Files Size (in bytes):		50468	
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.			

REMARKS

The non-final Office Action mailed October 10, 2019, has been received and reviewed.

Claims 1-20 are all the claims presently pending in the application, of which claims 1, 10, and 17 are independent. Claims 7, 9 and 16 are currently withdrawn from examination.

Claims 1-6, 8, 10-15 and 17-20 stand rejected. Applicant has amended claims 1, 10, 17, and respectfully requests reconsideration and allowance of the application as amended herein.

Claim Rejections

The Examiner rejected claims 1-4, 8, 10-13, 15, and 17-20 under 35 USC 102(a)(1)/(a)(2) as being anticipated by U.S. Patent No. 4,715,356 to Reynolds (hereinafter “Reynolds”). The Examiner also rejected claims 5, 6 and 14 under 35 USC 103(a) as being unpatentable over Reynolds. Applicant respectfully traverses the rejections of the claims, as amended herein.

For example, Reynolds does not describe “... a griddle sized to be suspended by the frame to be positioned on the upper portion of the frame, the griddle having a cooking surface and an underside surface, the underside surface extending to define a rectangular shape with a front end, a rear end, a left end, and a right end, the griddle including a front rib and multiple lateral ribs, the front rib extending along the front end of the underside surface, and the multiple lateral ribs extending along the underside surface from the front rib to the rear end of the underside surface, the multiple lateral ribs being spaced from each other so as to define multiple heating regions such that each heating region is defined between adjacently extending lateral ribs, each of the heating regions includes one of the multiple burners positioned below one of the multiple heating regions, each of the lateral ribs extend downward from the underside surface a height so as to funnel convection heat from any one of the multiple burners toward the rear end of the underside surface of the griddle and from the rear side of the frame; wherein the front rib and the multiple lateral ribs are integrally formed with the underside surface of the griddle; and wherein the multiple lateral ribs directly extend from the underside surface of the griddle such that each lateral rib is spaced and separate from an adjacent lateral rib,” as recited in amended claim 1 (Emphasis Added).

Rather, Reynolds describes a griddle G resting on housing walls 12-14 of a cooking station such that the griddle G is positioned above multiple burners B. *See* Reynolds, col. 4, lines

9-12; FIG. 4. Integrated with the housing of the cooking station is a series of various panels forming a manifold of combustion chambers C, each combustion chamber C associated with a single burner B. *See* Reynolds, FIGS. 4-5. The various panels surrounding each combustion chamber C include vertically extending baffles 30 and angled heat reflective radiant panels 31 extending upward toward the griddle G such that the heat reflective radiant panels extend at an angle and are coupled to adjacent angled heat reflective radiant panels 31 of adjacent combustion chambers C. *See* Reynolds, FIG. 5. There are various embodiments of how the heat reflective radiant panels 31 terminate along the underside of the griddle G, incorporating various versions of a flange 33, extending from each of the radiant panels 31. *See* Reynolds, FIGS. 5-10. There is also a front partition wall 15 that terminates along a side wall of the trough of the Griddle G. *See* Reynolds, FIG. 4. Each combustion chamber C receives air flow through a first plenum P1 and a secondary plenum P2 along an underside of the combustion chambers C and exhaust gas from each combustion chambers exits through a flue 24. As set forth, the manifold of combustion chambers C in Reynolds are built in the housing of the cooking station, not integrally formed with the griddle G.

In the Office Action, the Examiner relies on the various panels 30, 31, 33, as the lateral ribs, and relies on the front partition wall 15 as the front rib. However, the griddle G in Reynolds rests on a top edge of the housing and flanges 33 (*see* FIGS. 5 and 6) or the griddle G is suspended above the top edge of the flanges 33 that may be surrounded with packing 36 to hold a bulb sensor 35 to sense temperature (*see* Reynolds, col. 5, lines 24-30; FIGS. 7-10). Important to this analysis is that the griddle G is either resting on or suspended above the radiant panels/flanges 31, 33, and is not integrally formed with the underside surface of the griddle G. Further, the front partition wall 15 in Reynolds is also not integrally formed with the underside surface of the griddle G. Furthermore, the radiant panels 31 extend at an angle for the purpose of radiating heat toward the griddle G and are designed so that at least one of the angled radiant panels/flange 31, 33 of each combustion chamber C is joined (by welding) to an adjacent angled radiant panel/flange 31, 33 of an adjacent combustion chamber C, not lateral ribs that extend directly from the underside surface of the griddle so that each lateral rib is spaced and separate from an adjacent lateral rib. *See* Reynolds, FIGS. 5, 7, 8, and 9; col. 5, lines 19-22 (describing adjacently extending angled radiant panels/flanges 31, 33 joined by welding).

Based on the foregoing reasons, Applicant respectfully submits that Reynolds does not describe that which is in amended claim 1. Applicant therefore requests the rejection of claim 1 under 35 U.S.C. 102 be withdrawn.

With respect to dependent claims 2-9, they should be allowable based on at least their dependency from amended claim 1.

In addition, independent claims 10 and 17 have been amended with similar recitations as amended claim 1 and should therefore be allowable for at least the same reasons as set forth for amended claim 1.

As to dependent claims 11-16 and 18-20, they should be allowable based on at least their dependency from amended independent claims 10 and 17, respectively.

ENTRY OF AMENDMENTS

The amendments to claims 1, 10 and 17 should be entered by the Examiner because the amendments are supported by the as-filed specification and drawings and do not add any new matter to the application.

CONCLUSION

Claims 1-20 (including withdrawn claims 7, 9, and 16) are believed to be in condition for allowance, and an early notice thereof is respectfully solicited. Should the Examiner determine that additional issues remain which might be resolved by a telephone conference, the Examiner is respectfully invited to contact Applicant's undersigned attorney.

Respectfully submitted,

/David L. Stott/

David L. Stott
Registration No. 43,937
Attorney for Applicant
(435) 994-8900

Date: January 10, 2020

Amendments to the Claims:

Please amend claims 1, 10, and 17, as set forth below.

Please note that all claims currently pending and under consideration in the referenced application are shown below. Please enter these claims as amended. This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A cooking system, comprising:
a frame extending with a front side, a rear side, a left side, and a right side each extending between a lower portion and an upper portion;
multiple burners coupled to and extending between the front side and the rear side of the frame; and
a griddle sized to be suspended by the frame to be positioned on the upper portion of the frame, the griddle having a cooking surface and an underside surface, the underside surface extending to define a rectangular shape with a front end, a rear end, a left end, and a right end, the griddle including a front rib and multiple lateral ribs, the front rib extending along the front end of the underside surface, and the multiple lateral ribs extending along the underside surface from the front rib to the rear end of the underside surface, the multiple lateral ribs being spaced from each other so as to define multiple heating regions such that each heating region is defined between adjacently extending lateral ribs, each of the heating regions includes one of the multiple burners positioned below one of the multiple heating regions, each of the lateral ribs extend downward from the underside surface a height so as to funnel convection heat from any one of the multiple burners toward the rear end of the underside surface of the griddle and from the rear side of the frame;
wherein the front rib and the multiple lateral ribs are integrally formed with the underside surface of the griddle; and
wherein the multiple lateral ribs directly extend from the underside surface of the griddle such that each lateral rib is spaced and separate from an adjacent lateral rib.

2. (Original) The cooking system of claim 1, wherein the front rib substantially blocks convection heat from escaping from the front side of the frame.

3. (Original) The cooking system of claim 1, wherein the adjacently extending lateral ribs are sized to substantially prevent convection heat from moving over the adjacently extending lateral ribs and directly, convectively heating adjacent heating regions.

4. (Original) The cooking system of claim 1, wherein the adjacently extending lateral ribs are sized to substantially maintain convection heat between the adjacently extending lateral ribs to only convectively heat the corresponding heating region between the adjacently extending lateral ribs.

5. (Original) The cooking system of claim 1, wherein the cooking surface of the griddle comprises a trough configured to catch grease, the trough extending only along a rear end surface of the cooking surface.

6. (Original) The cooking system of claim 1, wherein the cooking surface of the griddle comprises a trough configured to catch grease, the trough extending only along a rear end surface of the cooking surface and defining an opening at one end of the trough.

7. (Original) The cooking system of claim 1, wherein the frame comprises an air intake system configured to feed air to the multiple burners, the air intake system including at least one of a front vent along the front side of the frame, a left vent along the left side of the frame, and a right vent along a right side of the frame.

8. (Original) The cooking system of claim 1, wherein the front rib and the lateral ribs facilitate channeling convection heat to a rear side of the frame.

9. (Original) The cooking system of claim 6, wherein the opening defined in the trough

is configured to deposit grease within a vent box coupled to the frame, the vent box including venting for air intake to feed air to the multiple burners.

10. (Currently Amended) A griddle configured to control convection heat from one or more gas flame burners of a cooking station, the griddle comprising:

a cooking surface having a rectangular shape, the cooking surface configured to face upward;

an underside surface, the underside surface extending to generally correspond with the cooking surface, the underside surface facing in an opposite direction than the cooking surface, the underside surface extending to define a periphery with a front end, a rear end, a left end, and a right end;

a front rib having a front rib height and coupled to the front end of the underside surface, the front rib extending longitudinally along the front end of the underside surface; and

multiple lateral ribs each extending laterally relative to the front rib and extending along the underside surface from the front rib to the rear end of the underside surface, the multiple lateral ribs being spaced from each other so as to define multiple heating regions such that each heating region is defined between adjacently extending lateral ribs, the heating regions each configured to be positioned above a gas flame burner, each of the lateral ribs extend downward from the underside surface a lateral rib height such that the adjacently extending lateral ribs are configured to funnel the convection heat from the gas flame burner toward the rear end of the underside surface and away from a rear side of the cooking station;

wherein the front rib and the multiple lateral ribs are integrally formed with the underside surface; and

wherein the multiple lateral ribs directly extend from the underside surface such that each lateral rib is spaced and separate from an adjacent lateral rib.

11. (Original) The griddle of claim 10, wherein the front rib substantially blocks the convection heat from escaping a front side of the underside surface.

12. (Original) The griddle of claim 10, wherein the adjacently extending lateral ribs are

sized to substantially prevent convection heat from moving over the adjacently extending lateral ribs and directly, convectively heating adjacent heating regions.

13. (Original) The griddle of claim 10, wherein the adjacently extending lateral ribs are sized to substantially maintain convection heat therebetween to only convectively heat the corresponding heating region between the adjacently extending lateral ribs.

14. (Original) The griddle of claim 10, wherein the cooking surface comprises a trough configured to collect grease, the trough extending only along a rear end surface of the cooking surface, the trough defining a through hole configured to funnel grease therethrough.

15. (Original) The griddle of claim 10, further comprising a splash guard extending upward above a periphery of the cooking surface.

16. (Original) The griddle of claim 15, wherein the splash guard includes a hinge structure, the hinge structure configured to pivotably couple to a cover of the cooking station.

17. (Currently Amended) A method for selectively heating regions of a griddle with convection heat from one or more gas flame burners of an outdoor cooking station, the method comprising:

turning on one or more gas burners of the outdoor cooking station such that the one or more gas burners are positioned below an underside surface of a griddle; and

selectively heating specific regions of the griddle that correspond with the one or more gas burners turned on, the specific regions each defined by adjacently extending parallel ribs, the ribs extending laterally from a front rib toward a rear end of the underside surface of the griddle such that the front rib and the parallel ribs channel convection heat to flow between the adjacently extending parallel ribs toward the rear end of the griddle and away from the outdoor cooking station, the front rib and the parallel ribs integrally formed with the underside surface of the griddle, and the parallel ribs directly extend from the underside surface of the griddle such that each parallel rib is spaced and separate from an adjacently extending parallel rib.

18. (Original) The method according to claim 17, wherein the selectively heating comprises selectively heating the specific regions with the parallel ribs substantially preventing convection heat from moving over the parallel ribs by the convection heat being drawn toward the rear end of the griddle.

19. (Original) The method according to claim 17, wherein the selectively heating comprises blocking the convection heat from moving toward a front end of the underside of the griddle with a downward facing edge of the front rib resting on a frame of the outdoor cooking station to substantially block the convection heat from escaping out the front side of the cooking station.

20. (Original) The method according to claim 17, wherein the selectively heating comprises substantially preventing convection heat from moving over the parallel ribs by drawing the convection heat toward the rear end of the griddle with rear end openings, each rear end opening defined by oppositely positioned rear rib ends of the parallel ribs and the rear end of the underside surface of the griddle and a frame component of the outdoor cooking station, the parallel ribs positioned on the frame component.



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NOTICE OF ALLOWANCE AND FEE(S) DUE

61789 7590 01/29/2020
DAVID L. STOTT
P.O. BOX 400
PROVIDENCE, UT 84332-0400

EXAMINER	
BASICHAS, ALFRED	
ART UNIT	PAPER NUMBER

3762

DATE MAILED: 01/29/2020

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/582,682	04/29/2017	Roger Dahle	131P7	6128

TITLE OF INVENTION: SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1000	\$0.00	\$0.00	\$1000	04/29/2020

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

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61789 7590 01/29/2020
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(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/582,682	04/29/2017	Roger Dahle	131P7	6128

TITLE OF INVENTION: SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE

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nonprovisional	UNDISCOUNTED	\$1000	\$0.00	\$0.00	\$1000	04/29/2020

EXAMINER	ART UNIT	CLASS-SUBCLASS
BASICHAS, ALFRED	3762	126-03900R

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

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5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/582,682	04/29/2017	Roger Dahle	131P7	6128
61789	7590	01/29/2020	EXAMINER	
DAVID L. STOTT			BASICHAS, ALFRED	
P.O. BOX 400			ART UNIT	
PROVIDENCE, UT 84332-0400			PAPER NUMBER	
			3762	
DATE MAILED: 01/29/2020				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 15/582,682	Applicant(s) Dahle et al.	
	Examiner ALFRED BASICHAS	Art Unit 3762	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication filed 1/10/20.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some *c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____. 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____. 4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.	5. ☒ Examiner's Amendment/Comment 6. ☐ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____.
---	--

/ALFRED BASICHAS/
Primary Patent Examiner, Art Unit 3762

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Election/Restrictions

Claims 1-20 are allowable. The restriction requirement has been reconsidered in view of the allowability of claims to the elected invention pursuant to MPEP § 821.04(a). **The restriction requirement is hereby withdrawn as to any claim that requires all the limitations of an allowable claim.** Accordingly, Claims 7, 9, and 16 are no longer withdrawn from consideration because the claim(s) requires all the limitations of an allowable claim.

In view of the above noted withdrawal of the restriction requirement, applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Once a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALFRED BASICHAS whose telephone number is 571 272 4871. The examiner can normally be reached on Monday through Friday during regular business hours.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center telephone number is 571 272 3700.

January 24, 2020

/ALFRED BASICHAS/
Primary Patent Examiner, Art Unit 3762

Issue Classification 	Application/Control No. 15/582,682	Applicant(s)/Patent Under Reexamination Dahle et al.
	Examiner ALFRED BASICHAS	Art Unit 3762

CPC						
Symbol					Type	Version
A47J	/	37	/	0682	F	2013-01-01
F24C	/	15	/	322	I	2013-01-01
H05B	/	6	/	6473	I	2013-01-01
A21B	/	1	/	245	A	2013-01-01
F24C	/	3	/	14	A	2013-01-01
F24C	/	15	/	12	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/				

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/ALFRED BASICHAS/ Primary Patent Examiner, Art Unit 3762 (Primary Examiner) _____ (Date) _____		O.G. Print Claim(s) 1	O.G. Print Figure 1,4

Issue Classification 	Application/Control No. 15/582,682	Applicant(s)/Patent Under Reexamination Dahle et al.
	Examiner ALFRED BASICHAS	Art Unit 3762

INTERNATIONAL CLASSIFICATION			
CLAIMED			
A47J	/	37	/ 06

NON-CLAIMED			
/	/		

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/ALFRED BASICHAS/ Primary Patent Examiner, Art Unit 3762	24 January 2020	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1,4

Issue Classification 	Application/Control No. 15/582,682	Applicant(s)/Patent Under Reexamination Dahle et al.
	Examiner ALFRED BASICHAS	Art Unit 3762

☐ Claims renumbered in the same order as presented by applicant
 ☐ CPA
 ☐ T.D.
 ☐ R.1.47

CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10	19	19										
2	2	11	11	20	20										
3	3	12	12												
4	4	13	13												
5	5	14	14												
8	6	15	15												
6	7	16	16												
7	8	17	17												
9	9	18	18												

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/ALFRED BASICHAS/ Primary Patent Examiner, Art Unit 3762 (Primary Examiner) _____ (Date) _____		O.G. Print Claim(s) 1	O.G. Print Figure 1,4

<i>Search Notes</i> 	Application/Control No. 15/582,682	Applicant(s)/Patent Under Reexamination Dahle et al.
	Examiner ALFRED BASICHAS	Art Unit 3762

CPC - Searched*		
Symbol	Date	Examiner
A47J37/0682 F24C15/322 H05B6/6473 F24C15/12 A21B1/245 F24C3/14		
ABOVE UPDATED	01/24/2020	AB

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
CONDUCTED INVENTOR SEARCH		
SEE ATTACHED EAST PRIOR ART SEARCH HISTORY	10/09/2019	AB
SEE ATTACHED UPDATED EAST PRIOR ART SEARCH HISTORY	01/24/2020	AB

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
SEE ATTACHED	UPDATED EAST PRIOR ART SEARCH HISTORY INCLUDING INTERFERENCE SEARCH	01/24/2020	AB

/ALFRED BASICHAS/ Primary Patent Examiner, Art Unit 3762	
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Bibliographic Data

Application No: 15/582,682

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☐ No ☐ Met After Allowance

Verified and Acknowledged: /ALFRED BASICHAS/

Examiner's Signature

Initials

Title:

SYSTEM, DEVICE AND METHOD FOR CONTROLLING
CONVECTIVE HEATING OF A GRIDDLE

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
04/29/2017	126	3762	131P7
RULE			

APPLICANTS

North Atlantic Imports, LLC, North Logan, UT, UNITED STATES

INVENTORS

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Ryan D. Sharp American Fork, UT, UNITED STATES

CONTINUING DATA

This application has PRO of 62331673 05/04/2016

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

05/05/2017

STATE OR COUNTRY

UNITED STATES

ADDRESS

DAVID L. STOTT

P.O. BOX 400

PROVIDENCE, UT 84332-0400

UNITED STATES

FILING FEE RECEIVED

\$800

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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S12	23719824	support or base or ribs	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:31
S13	5355	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:32
S14	765	S13 with S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:32
S15	10120	(A47J37/0682 F24C15/322 H05B6/6473 F24C15/12 A21B1/245 F24C3/14).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:32
S16	55	S14 and S15	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2019/10/08 14:32

			EPO; JPO; DERWENT; IBM_TDB			
S17	98	("5911812" "5964145" "D745802" "20150335200" "20180220845" "5678531" "4909137" "6205995" "7638738" "9192178" "4608917" "8137723" "D694056" "5884555" "20170332838" "2362757" "6644175" "8151698" "9215949" "4119021" "4598634" "2786929").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 14:38
S18	10175509	frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 16:25
S19	427	S13 with S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 16:35
S20	16	S19 and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 16:35
S21	7	S20 not S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/08 16:35
S22	11	plancha	USPAT	OR	OFF	2019/10/09 09:59
S23	84612	"flat plate"	USPAT	OR	OFF	2019/10/09 10:00
S24	138529	burners	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:00
S25	7012537	regions or areas or zones	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:00
S26	279	S24 and S23 and S25	US-PGPUB; USPAT;	OR	OFF	2019/10/09 10:00

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S27	5355	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:01
S28	218	S24 and S27 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:01
S29	276	S26 not S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:01
S30	10120	(A47J37/0682 F24C15/322 H05B6/6473 F24C15/12 A21B1/245 F24C3/14).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:02
S31	1	S29 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:02
S32	2	S26 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:04
S33	326882	"flat plate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:18
S34	557	S24 and S33 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:18

S35	278	S34 not S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:19
S36	3	S35 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:19
S37	111015	"hot plate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:19
S38	277	S24 and S37 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:20
S39	6	S38 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 10:20
S40	196	("0900998" "1176720" "1764719" "2180868" "2216851" "2884849" "2940381" "3008406" "3241542" "3369481" "3422746" "3443510" "3489133" "3837329" "3842726" "3946651" "4201184" "4569328" "4570610" "4580550" "5413032" "5467695").PN. OR ("2007/0163568" "2008/0223359" "2010/0083949" "2010/0175682" "2010/0199857" "2014/0161952" "2017/0332839" "2175043" "4608917" "4715356" "4724823" "5676043").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/09 10:21
S41	24	("20150335200" "20170332838" "20180220845" "2362757" "2786929" "4119021" "4598634" "4608917" "4909137" "5678531" "5884555" "5911812" "5964145" "6205995" "6644175" "7638738" "8137723" "8151698" "9192178" "9215949" "D694056" "D745802").PN. OR ("10327589").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/09 10:22
S42	1	("2017/0332838").URPN.	USPAT	OR	OFF	2019/10/09 10:26
S43	41	("1748742" "20060016348"	US-PGPUB;	OR	OFF	2019/10/09

		"20100175682" "20150335200" "20170332838" "20180220845" "2362757" "2786929" "3994211" "4119021" "4245147" "4598634" "4608917" "4633772" "4724826" "4895131" "4909137" "5413032" "5676043" "5678531" "5884555" "5911812" "5964145" "6205995" "6644175" "7638738" "7647866" "8074563" "8137723" "8151698" "8757052" "9192178" "9215949" "D694056" "D745802").PN. OR ("10327589" "2017/0332838" "2018/0220845" "9782039").URPN.	USPAT; USOCR			10:26
S44	17	S43 not S41	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/09 10:27
S45	28	("1201138" "1961391" "1993356" "20020096056" "20050045170" "20050204931" "20070137499" "5237914" "5413032" "5524528" "5678531" "5911812" "5957123" "6057528" "6640695" "6736051" "D468580").PN. OR ("7647866").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/09 10:28
S46	18	(US-20170332839-\$ or US- 20140161952-\$ or US-20100199857-\$ or US-20100083949-\$ or US- 20080223359-\$ or US-20070163568-\$ or US-20100175682-\$ or US- 20180220845-\$ or US-20170332838- \$).did. or (US-5676043-\$ or US- 4724823-\$ or US-4715356-\$ or US- 4608917-\$ or US-10327589-\$ or US- 9782039-\$ or US-7647866-\$).did. or (US-2175043-\$).did. or (US- 20170332839-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2019/10/09 14:53
S47	138529	burners	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 14:53
S48	5355	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 14:53
S49	7012537	regions or areas or zones	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 14:53
S50	218	S47 and S48 and S49	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2019/10/09 14:53

			EPO; JPO; DERWENT; IBM_TDB			
S51	11	S50 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/10/09 14:53
S52	139607	burners	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S53	5467	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S54	7140161	regions or areas or zones	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S55	231	S52 and S53 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S56	572995	cooking	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S57	222	S55 and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S58	5467	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S59	10602	(A47J37/0682 F24C15/322 H05B6/6473 F24C15/12 A21B1/245	US-PGPUB; USPAT;	OR	OFF	2020/01/21 14:00

		F24C3/14).opc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S60	10453730	frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S61	441	S58 with S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S62	19	S61 and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S63	86036	"flat plate"	USPAT	OR	OFF	2020/01/21 14:00
S64	139607	burners	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S65	7140161	regions or areas or zones	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S66	281	S64 and S63 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S67	5467	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S68	231	S64 and S67 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2020/01/21 14:00

			DERWENT; IBM_TDB			
S69	10602	(A47J37/0682 F24C15/322 H05B6/6473 F24C15/12 A21B1/245 F24C3/14).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S70	333760	"flat plate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S71	560	S64 and S70 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S72	112689	"hot plate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S73	300	S64 and S72 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S74	6	S73 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S75	139607	burners	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S76	5467	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S77	7140161	regions or areas or zones	US-PGPUB; USPAT; USOCR;	OR	OFF	2020/01/21 14:00

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S78	231	S75 and S76 and S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S79	297	(S78 or S74 or S71 or S69 or S68 or S66 or S62 or S59 or "s147" or S57) and @pd> = "20191001"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/21 14:00
S80	24262570	support or base or ribs	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/24 14:24
S81	5469	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/24 14:24
S82	780	S81 with S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/24 14:24
S83	139624	burners	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/24 14:24
S84	5469	griddle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/01/24 14:24

1/ 24/ 2020 3:34:08 PM
C:\Users\ abasichas\ Documents\ EAST\ Workspaces\ Workspaces\ 15582682.wsp

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

61789 7590 01/29/2020
DAVID L. STOTT
P.O. BOX 400
PROVIDENCE, UT 84332-0400

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/582,682	04/29/2017	Roger Dahle	131P7	6128

TITLE OF INVENTION: SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1000	\$0.00	\$0.00	\$1000	04/29/2020

EXAMINER	ART UNIT	CLASS-SUBCLASS
BASICHAS, ALFRED	3762	126-03900R

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 David L. Stott

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

North Atlantic Imports, LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Logan, Utah

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☒ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /David L. Stott/

Date April 20, 2020

Typed or printed name David L. Stott

Registration No. 43,937

Electronic Patent Application Fee Transmittal

Application Number:	15582682			
Filing Date:	29-Apr-2017			
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE			
First Named Inventor/Applicant Name:	Roger Dahle			
Filer:	David L. Stott			
Attorney Docket Number:	131P7			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	1000	1000

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1000

Electronic Acknowledgement Receipt

EFS ID:	39204440
Application Number:	15582682
International Application Number:	
Confirmation Number:	6128
Title of Invention:	SYSTEM, DEVICE AND METHOD FOR CONTROLLING CONVECTIVE HEATING OF A GRIDDLE
First Named Inventor/Applicant Name:	Roger Dahle
Customer Number:	61789
Filer:	David L. Stott
Filer Authorized By:	
Attorney Docket Number:	131P7
Receipt Date:	20-APR-2020
Filing Date:	29-APR-2017
Time Stamp:	13:41:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 1000
RAM confirmation Number	E20204JD42588254
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	IssueFeeTransmittal.pdf	95879	no	1
			a79dc8b53d4ade5d9fd2d833659803879f090e7d		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30188	no	2
			85de6b47f7a5e77b7162b341a04e45c759f0a034		
Warnings:					
Information:					
Total Files Size (in bytes):			126067		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					



APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/582,682	05/26/2020	10660473	131P7	6128

61789 7590 05/06/2020
DAVID L. STOTT
P.O. BOX 400
PROVIDENCE, UT 84332-0400

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 426 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Roger Dahle, Providence, UT;
North Atlantic Imports, LLC, North Logan, UT;
Ryan D. Sharp, American Fork, UT;

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7673758

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
WHITE OAK GLOBAL ADVISORS, LLC, A DELAWARE LIMITED LIABILITY COMPANY		11/30/2022
RECEIVING PARTY DATA		
Name:	COWELL INTERNATIONAL INC., A UTAH CORPORATION	
Street Address:	1073 W. 1700 N.	
Internal Address:	ATTENTION: GARRETT BOWMAN	
City:	LOGAN	
State/Country:	UTAH	
Postal Code:	84321	
Name:	NORTH ATLANTIC IMPORTS, LLC, A UTAH LIMITED LIABILITY COMPANY	
Street Address:	1073 W. 1700 N.	
Internal Address:	ATTENTION: GARRETT BOWMAN	
City:	LOGAN	
State/Country:	UTAH	
Postal Code:	84321	
PROPERTY NUMBERS Total: 73		
Property Type	Number	
Patent Number:	D638654	
Patent Number:	8820310	
Patent Number:	D694056	
Patent Number:	7686010	
Patent Number:	8578927	
Patent Number:	9182129	
Patent Number:	9848731	
Patent Number:	10413123	
Patent Number:	9915432	
Patent Number:	10327588	
Patent Number:	10952564	
Patent Number:	10660473	

Property Type	Number
Patent Number:	10588461
Patent Number:	10888193
Patent Number:	10772467
Patent Number:	10995964
Patent Number:	10779682
Patent Number:	10327589
Patent Number:	10959572
Patent Number:	D893870
Patent Number:	D905501
Patent Number:	D918006
Patent Number:	D927918
Patent Number:	D927928
Application Number:	61767249
Application Number:	16573935
Application Number:	62452483
Application Number:	62331666
Application Number:	62331673
Application Number:	62650586
Application Number:	16819578
Application Number:	17143837
Application Number:	17184535
Application Number:	62503156
Application Number:	17020331
Application Number:	62578278
Application Number:	17231177
Application Number:	62648442
Application Number:	17019529
Application Number:	62669500
Application Number:	16405899
Application Number:	62703353
Application Number:	62678436
Application Number:	16428605
Application Number:	16520744
Application Number:	62736662
Application Number:	16584778
Application Number:	29672455
Application Number:	62740932
Application Number:	16588102

Property Type	Number
Application Number:	17214815
Application Number:	29692968
Application Number:	62873844
Application Number:	16926681
Application Number:	62958946
Application Number:	17143880
Application Number:	62966496
Application Number:	17160189
Application Number:	62975143
Application Number:	17174334
Application Number:	63033690
Application Number:	17337310
Application Number:	63007750
Application Number:	17227219
Application Number:	63057235
Application Number:	63092380
Application Number:	63072653
Application Number:	63119564
Application Number:	63178434
Application Number:	63218308
Application Number:	63192485
Application Number:	63232630
Application Number:	17385881

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 4159848700

Email: mpatton@omm.com

Correspondent Name: MADELEINE PATTON / DECLAN P. KELLY

Address Line 1: TWO EMBARCADERO CENTER, 28TH FLOOR

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

ATTORNEY DOCKET NUMBER:	0627550-00005
NAME OF SUBMITTER:	MADELEINE PATTON
SIGNATURE:	/Madeleine Patton/
DATE SIGNED:	12/02/2022
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 10

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RELEASE OF PATENT SECURITY AGREEMENT

This Release of Patent Security Agreement (this “Release”) is dated as of November 30, 2022, with reference to (i) that certain Patent Security Agreement, dated as of October 15, 2021 (the “Patent Security Agreement”), by and among Cowell International Inc., a Utah corporation (“Cowell”), North Atlantic Imports, LLC, a Utah limited liability company (“Borrower”, and together with Cowell, the “Grantors”), and White Oak Global Advisors, LLC, a Delaware limited liability company, as Administrative Agent and (ii) that certain Loan Agreement, dated as of October 15, 2021 (and as amended, supplemented, restated or otherwise modified prior to the date hereof, the “Loan Agreement”), among Holdings (as defined therein), as a Guarantor, Borrower, the several financial institutions from time to time party thereto as Lenders, and Administrative Agent. Capitalized terms used but not otherwise defined in this Release have the meanings set forth for such terms in the Security Documents, as defined below.

WHEREAS, it was a condition precedent to the Lenders making any loans or otherwise extending credit to the Borrower under the Loan Agreement that the Grantors execute and deliver to Administrative Agent, the Trademark Security Agreement, a Guaranty and Security Agreement, and a Patent Security Agreement, all dated as of October 15, 2021 (collectively, the “Security Documents”);

WHEREAS, Grantors have executed and delivered to Administrative Agent, for the benefit of the Lending Parties, the Security Documents, pursuant to which the Grantors have granted to Administrative Agent (i) a security interest in certain of each Grantor’s personal property, including, without limitation, the Patents and Patent Intellectual Property Licenses listed on Schedule I attached hereto (collectively, the “Patent Collateral”) to secure the payment and performance of the Obligations;

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office on October 15, 2021 at Reel/Frame No.: 057827/0313 and granted a security interest in the Patent Collateral (such term, as used herein, as defined in the Patent Security Agreement) including the Patents and Patent Intellectual Property Licenses listed on Schedule I attached hereto;

WHEREAS, Administrative Agent desires to release and terminate its security interest in the Patent Collateral including the Patents and Patent Intellectual Property Licenses identified on Schedule I attached hereto;

WHEREAS, Grantors desire to record this instrument to evidence termination of the security interest in the Patent Collateral.

NOW, THEREFORE, Administrative Agent hereby terminates, releases, and discharges fully, the security interest in and lien on the Patent Collateral (including, without limitation, the Patents and Patent Intellectual Property Licenses listed on Schedule I attached hereto) as granted pursuant to the Patent Security Agreement and the other Security Documents and any rights Administrative Agent may have in the Patent Collateral are hereby reconveyed, transferred, and assigned to the recorded owner, as applicable, without recourse, representation or warranty of any kind, and any right, title or interest of Administrative Agent in the Patent Collateral

shall hereby cease and become void. Administrative Agent hereby transfers, re-conveys and re-assigns to the recorded owner, as applicable, any and all right, title and interest in and to the Patent Collateral as granted pursuant to the Patent Security Agreement, together with the goodwill of the business symbolized by and associated with the Patent Collateral, including all common law rights and patent registrations for the Patent Collateral, all rights to income, royalties, and license fees deriving from the Patent Collateral, all claims for damages by reason of past, present and future infringements of the Patent Collateral and the right to sue for and collect such damages, as permitted under the applicable laws for any jurisdiction or country in which such claims may be asserted.

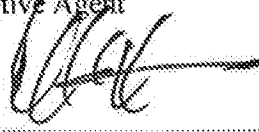
Effective immediately as of the date hereof, Administrative Agent hereby authorizes the Grantors or their designees to file, or cause to be filed this Release with the United States Patent and Trademark Office.

Administrative Agent hereby agrees, at the sole expense of the Grantors, to take such further actions and to execute such further documents as the Grantors may reasonably request to effect and evidence this Release, including, without limitation, the execution of any filings, statements, amendments, recordations or other instruments required to release its interests in the applications or registrations of the Patent Collateral and Patents and record the chain of title accordingly with the United States Patent and Trademark Office.

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IN WITNESS WHEREOF, Administrative Agent has caused this Release to be duly executed and delivered by its duly authorized officer as of the date first above written.

WHITE OAK GLOBAL ADVISORS, LLC, as
Administrative Agent

By: 

Name: David Hackett

Title: Authorized Signatory

[SIGNATURE PAGE TO RELEASE OF PATENT SECURITY AGREEMENT]

SCHEDULE I
to
PATENT SECURITY AGREEMENT

Patents

Grantor	Country	Patent	Application/ Patent No.	Filing Date
North Atlantic Imports, LLC	United States	Portable Cooking Stove	D638,654	8/2/2010
North Atlantic Imports, LLC	United States	Portable Cooking Stove	8,820,310	8/23/2010
North Atlantic Imports, LLC	United States	Multipurpose Cooking Griddle	D694,056	3/14/2012
North Atlantic Imports, LLC	United States	High Temperature Bake Oven	7,686,010	3/7/2008
North Atlantic Imports, LLC	United States	High Temperature Bake Oven and Method	8,578,927	2/25/2010
North Atlantic Imports, LLC	United States	System, Device, and Method for Baking a Food Product	9,182,129	2/20/2014
North Atlantic Imports, LLC	United States	System, Device, and Method for Baking a Food Product	9,848,731	10/7/2015
North Atlantic Imports, LLC	United States	System, Device, and Method for Baking a Food Product	10,413,123	12/23/2017
North Atlantic Imports, LLC	United States	Portable Cooking Stove	9,915,432	8/13/2014
North Atlantic Imports, LLC	United States	Griddle Device, System, and Method	10,327,588	4/29/2014
North Atlantic Imports, LLC	United States	Griddle Device, System, and Method	10,952,564	6/21/2019
North Atlantic Imports, LLC	United States	System, Device and Method For Controlling Convective Heating of Griddle	10,660,473	4/29/2017
North Atlantic Imports, LLC	United States	Gas Heated Cooking Device, System, and Accessory Thereof	10,588,461	1/31/2018

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North Atlantic Imports, LLC	United States	Portable Outdoor Cooking Device, System, and Accessory Thereof	10,888,193	3/27/2019
North Atlantic Imports, LLC	United States	Cooking Station and System with Removable Insert having Multiple Cooking Modes	10,772,467	5/4/2018
North Atlantic Imports, LLC	United States	Griddle Cooking Station and Method Thereof	10,995,964	10/25/2018
North Atlantic Imports, LLC	United States	Outdoor Cooking Station, Side Shelf, and Method Thereof	10,779,682	3/25/2019
North Atlantic Imports, LLC	United States	Outdoor Cooking Station with Griddle, System and Method Thereof	10,327,589	12/21/2018
North Atlantic Imports, LLC	United States	Outdoor Cooking Station with Griddle, System and Method Thereof	10,959,572	6/21/2019
North Atlantic Imports, LLC	United States	Portable Storage Container	D893,870	1/23/2019
North Atlantic Imports, LLC	United States	Cooking Utensil Handle	D905,501	5/31/2019
North Atlantic Imports, LLC	United States	Knob for a Cooking Station	D918,006	9/30/2019
North Atlantic Imports, LLC	United States	Outdoor Cooking Station	D927,918	5/30/2019
North Atlantic Imports, LLC	United States	Portable Stand	D927,928	12/5/2018
North Atlantic Imports, LLC	United States	Portable Cooking Stove	14/458,875	8/13/2014
North Atlantic Imports, LLC	United States	System, Device, and Method for Baking a Food Product	61/767,249	
North Atlantic Imports, LLC	United States	System, Device, and Method for Baking a Food Product	16/573,935	9/17/2019
North Atlantic Imports, LLC	United States	Gas Heated Cooking Device,	62/452,483	

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		System, and Accessory Thereof		
North Atlantic Imports, LLC	United States	Griddle Device, System, and Method	62/331,666	
North Atlantic Imports, LLC	United States	Griddle Cooking Station and Method Thereof	62/331,673	
North Atlantic Imports, LLC	United States	Portable Outdoor Cooking Device, System, and Accessory Thereof	62/650,586	
North Atlantic Imports, LLC	United States	Gas Heated Cooking Device, System, and Accessory Thereof	16/819,578	3/16/2020
North Atlantic Imports, LLC	United States	Portable Outdoor Cooking Device, System, and Accessory Thereof	17/143,837	1/7/2021
North Atlantic Imports, LLC	United States	Portable Outdoor Cooking Device, System, and Accessory Thereof	17/184,535	2/24/2021
North Atlantic Imports, LLC	United States	Cooking Station and System with Removable Insert having Multiple Cooking Modes	62/503,156	
North Atlantic Imports, LLC	United States	Cooking Station and System with Removable Insert having Multiple Cooking Modes	17/020,331	9/14/2020
North Atlantic Imports, LLC	United States	Griddle Cooking Station and Method Thereof	62/578,278	
North Atlantic Imports, LLC	United States	Griddle Cooking Station and Method Thereof	17/231,177	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station, Side Shelf, and Method Thereof	62/648,442	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station, Side Shelf,	17/019,529	9/14/2020

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		and Method Thereof		
North Atlantic Imports, LLC	United States	Outdoor Cooking Station, Side Shelf, and Method Thereof	62/669,500	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station with Warming Chamber and Method Thereof	16/405,899	5/7/2019
North Atlantic Imports, LLC	United States	Outdoor Cooking Station with Multiple Independent Cooking Modes Chamber and Method Thereof	62/703,353	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station with Multiple Independent Cooking Modes Chamber and Method Thereof	62/678,436	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station with Multiple Independent Cooking Modes Chamber and Method Thereof	16/428,605	5/31/2019
North Atlantic Imports, LLC	United States	Outdoor Cooking Station with Range Portion and Method Thereof	16/520,744	7/24/2019
North Atlantic Imports, LLC	United States	Outdoor Cooking Station and System with Removable Insulated Insert and Method Thereof	62/736,662	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station and System with Removable Insulated Insert and Method Thereof	16/584,778	9/26/2019

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North Atlantic Imports, LLC	United States	Legs for an Outdoor Cooking Station	29/672,455	
North Atlantic Imports, LLC	United States	Portable Stand	29/672,461	12/5/2018
North Atlantic Imports, LLC	United States	Apparatus for Spreading Butter and Method Thereof	62/740,932	
North Atlantic Imports, LLC	United States	Apparatus for Spreading Butter and Method Thereof	16/588,102	9/30/2019
North Atlantic Imports, LLC	United States	Outdoor Cooking Station with Griddle, System and Method Thereof	17/214,815	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station	29/692,968	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station	29/692,969	5/30/2019
North Atlantic Imports, LLC	United States	Heating Channeling System for Outdoor Cooking Station with Griddle and Method Thereof	62/873,844	
North Atlantic Imports, LLC	United States	Heating Channeling System for Outdoor Cooking Station with Griddle and Method Thereof	16/926,681	7/11/2020
North Atlantic Imports, LLC	United States	Outdoor Cooking Kit, System and Method Thereof	62/958,946	
North Atlantic Imports, LLC	United States	Outdoor Cooking Kit, System and Method Thereof	17/143,880	1/7/2021
North Atlantic Imports, LLC	United States	Adjustable Warming Rack and Method Thereof	62/966,496	

North Atlantic Imports, LLC	United States	Adjustable Warming Rack and Method Thereof	17/160,189	1/27/2021
North Atlantic Imports, LLC	United States	Griddle Cooking Station and Method Thereof	62/975,143	
North Atlantic Imports, LLC	United States	Griddle Cooking Station and Method Thereof	17/174,334	2/11/2021
North Atlantic Imports, LLC	United States	Pellet Feeder System and Method Thereof	63/033,690	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station for Smoking Food and Method Thereof	17/337,310	
North Atlantic Imports, LLC	United States	Griddle Cooking Station with Hood and Method Thereof	63/007,750	
North Atlantic Imports, LLC	United States	Griddle Cooking Station with Hood and Method Thereof	17/227,219	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station for Smoking Food and Method Thereof	63/057,235	
North Atlantic Imports, LLC	United States	Valve Structure for Propane Tank and Method Thereof	63/092,380	
North Atlantic Imports, LLC	United States	Adjustable Low Pressure Regulator for Feeding Has to Outdoor Cooking Station and Method Thereof	63/072,653	
North Atlantic Imports, LLC	United States	Basting Cover Apparatus and Method Thereof	63/119,564	
North Atlantic Imports, LLC	United States	Cooking Station and Griddle with Understructure and Method Thereof	63/178,434	
North Atlantic Imports, LLC	United States	Oven Cooking System, Accessory	63/218,308	

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		Device and Method Thereof		
North Atlantic Imports, LLC	United States	Cooking System Including Wind Guard Device and Method Thereof	63/192,485	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station with Multiple Independent Cooking Modes and Method Thereof	63/232,630	
North Atlantic Imports, LLC	United States	Outdoor Cooking Station for Smoking Food and Method Thereof	17/385,881	
North Atlantic Imports, LLC	Canada	High Temper Bake Oven	CA 2,639,471	9/11/2008

Patent Licenses

That certain Sale and Royalty Agreement, dated as of July 1, 2014, by and between North Atlantic Imports, LLC and Willard Gustavsen.