



US00D724196S

(12) **United States Design Patent**
Turner

(10) **Patent No.:** **US D724,196 S**

(45) **Date of Patent:** **** Mar. 10, 2015**

(54) **HEATER BLOCK FOR PRESSURE
DIGESTION VESSELS**
(71) Applicant: **Stingray Group, LLC**, Layton, UT (US)
(72) Inventor: **Allen Turner**, Layton, UT (US)
(73) Assignee: **Stingray Group, LLC**, Layton, UT (US)
(**) Term: **14 Years**
(21) Appl. No.: **29/476,815**

(22) Filed: **Dec. 17, 2013**
(51) **LOC (10) CI.** **23-03**
(52) **U.S. CI.**
USPC **D23/415**
(58) **Field of Classification Search**
USPC D23/405, 407, 409, 410, 415-422, 499,
D23/403; D7/403, 404, 407; D13/100;
44/530, 550; 126/39 E, 144, 148, 242,
126/243, 258, 500, 540; D24/230; 219/521,
219/702; 436/174
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
3,141,948 A * 7/1964 Young 219/494
3,388,807 A * 6/1968 Emmitt 211/74
4,487,316 A * 12/1984 Calhoun et al. 206/443
D288,233 S * 2/1987 Blatherwick et al. D24/230
5,399,840 A * 3/1995 Goeddeke 219/521
D359,126 S * 6/1995 Hovatter D24/227
6,106,784 A * 8/2000 Lund et al. 422/109
6,168,914 B1 * 1/2001 Campbell et al. 506/30
6,274,091 B1 * 8/2001 Mohan et al. 422/537
D448,854 S * 10/2001 Kuiper et al. D24/230
6,337,212 B1 * 1/2002 Nagle et al. 436/174
6,479,300 B1 * 11/2002 Jiang et al. 436/518
6,569,687 B2 * 5/2003 Doktycz et al. 436/180
6,756,232 B1 * 6/2004 Schermer et al. 436/180
6,878,553 B1 * 4/2005 Li et al. 436/174

6,951,761 B2 * 10/2005 Star et al. 436/174
7,043,968 B1 * 5/2006 Hildebrandt et al. 73/54.28
7,341,872 B1 * 3/2008 Anderson et al. 436/43
7,405,083 B2 * 7/2008 Chen 436/178
D624,661 S * 9/2010 Himmelsbach et al. D24/230
D628,306 S * 11/2010 Blanc et al. D24/230
2003/0106492 A1 * 6/2003 Levinson et al. 117/200
2003/0202909 A1 * 10/2003 Atkinson et al. 422/104
2004/0053318 A1 * 3/2004 McWilliams et al. 435/6
2004/0126890 A1 * 7/2004 Gjerde et al. 436/53
2004/0248320 A1 * 12/2004 Santini et al. 436/174
2006/0059838 A1 * 3/2006 Pimental 52/596
2008/0026483 A1 * 1/2008 Oldenburg 436/174

(Continued)

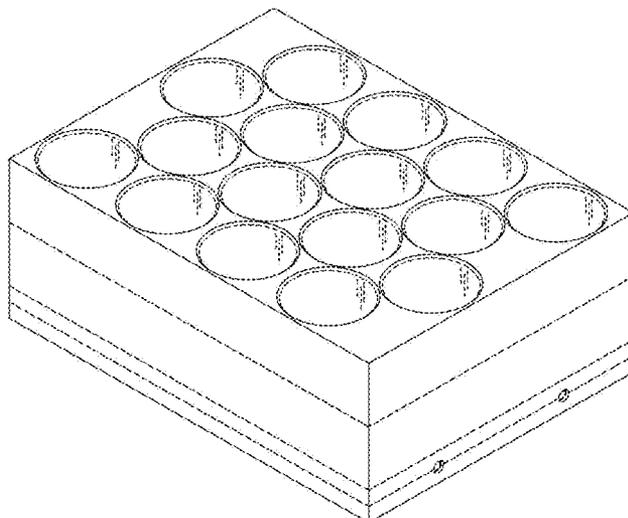
Primary Examiner — Karen S Acker
(74) *Attorney, Agent, or Firm* — Pate Peterson, PLLC; Brett Peterson

(57) **CLAIM**
I claim the ornamental design for the heater block for pressure digestion vessels, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of the heater block for pressure digestion vessels.
FIG. 2 is a front side view of the heater block for pressure digestion vessels.
FIG. 3 is a back side view of the heater block for pressure digestion vessels.
FIG. 4 is a top view of the heater block for pressure digestion vessels.
FIG. 5 is a bottom view of the heater block for pressure digestion vessels.
FIG. 6 is a left side view of the heater block for pressure digestion vessels; and,
FIG. 7 is a right side view of the heater block for pressure digestion vessels.
The broken lines in the drawings represent unclaimed portions of the heater block for pressure digestion vessels and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2009/0194436	A1 *	8/2009	Bates	.....	206/139	2013/0084227	A1 *	4/2013	Cole et al.	.....	422/562
2009/0263782	A1 *	10/2009	Ward et al.	.....	435/3	2013/0109022	A1 *	5/2013	Hwang	.....	435/6.12
2010/0081191	A1 *	4/2010	Woods	.....	435/303.1	2013/0130084	A1 *	5/2013	Hamada et al.	.....	429/99
2012/0309104	A1 *	12/2012	Uematsu et al.	.....	436/174	2013/0157376	A1 *	6/2013	Nay	.....	436/94
						2013/0344376	A1 *	12/2013	Asaida et al.	.....	429/156

* cited by examiner

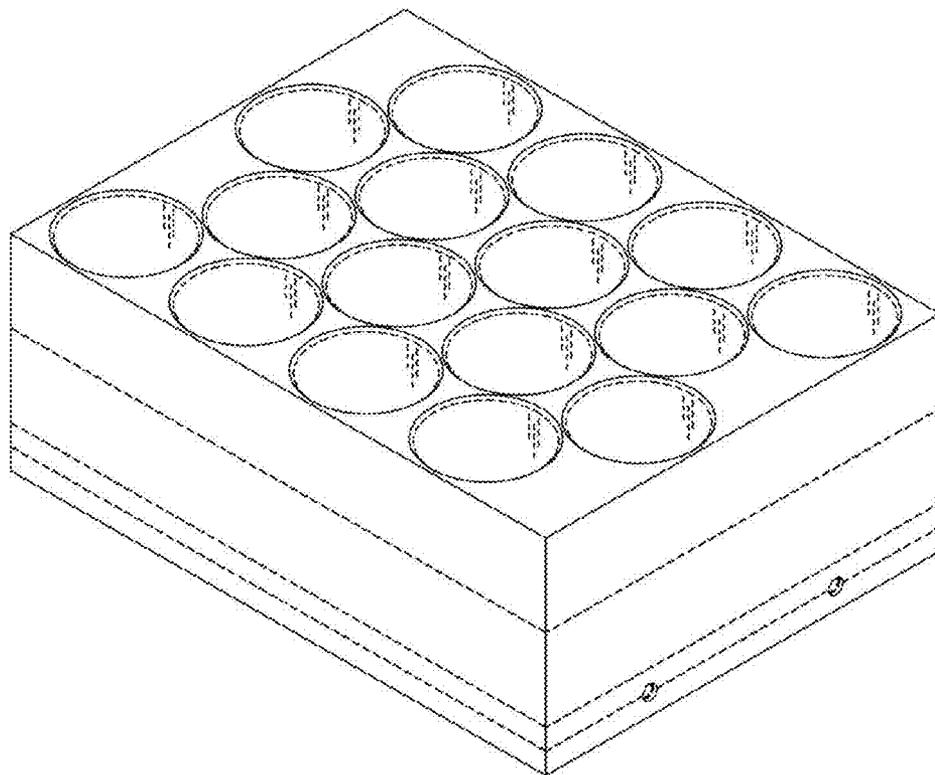


FIG. 1

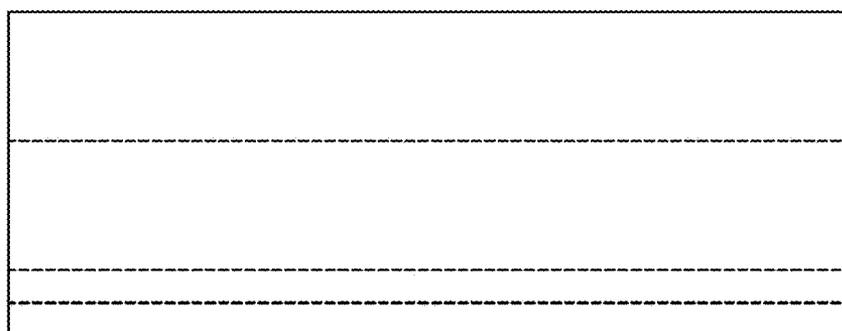


FIG. 2

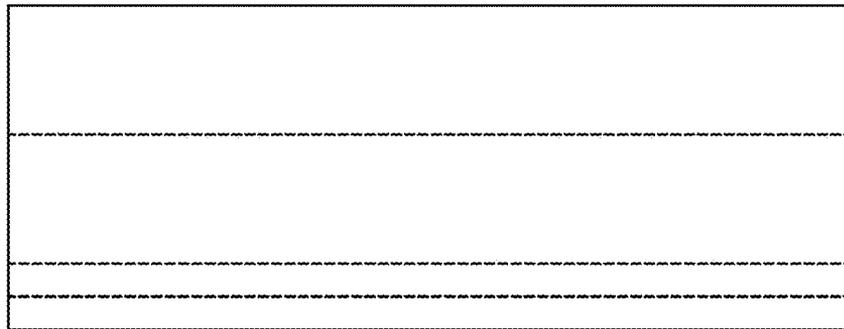


FIG. 3

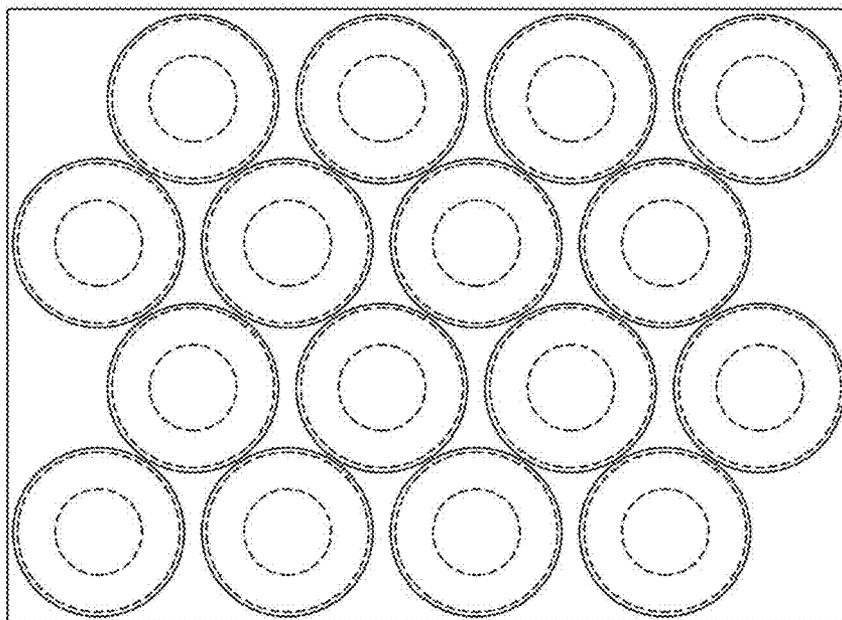


FIG. 4

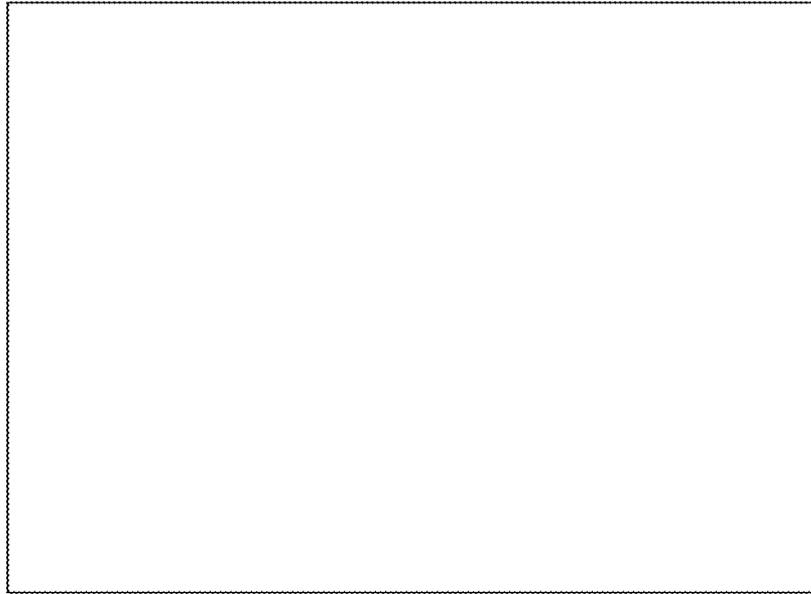


FIG. 5

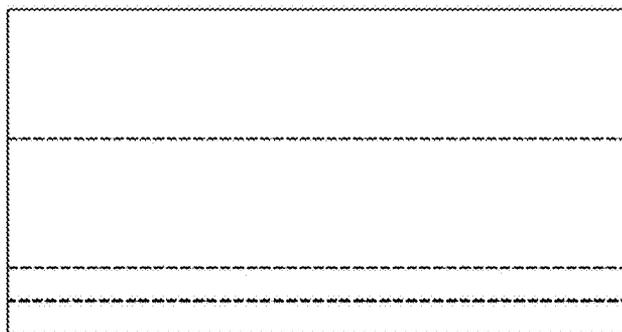


FIG. 6

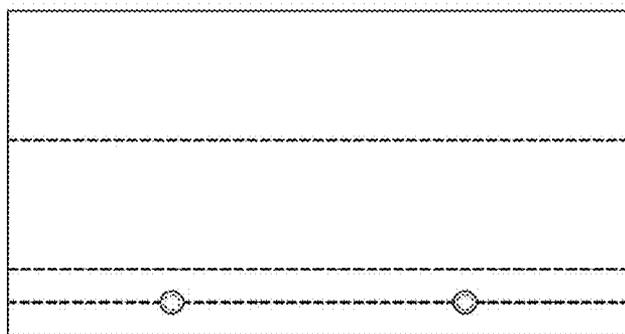


FIG. 7