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(54) Title: CONSTRUCT WITH LOCATING FEATURE

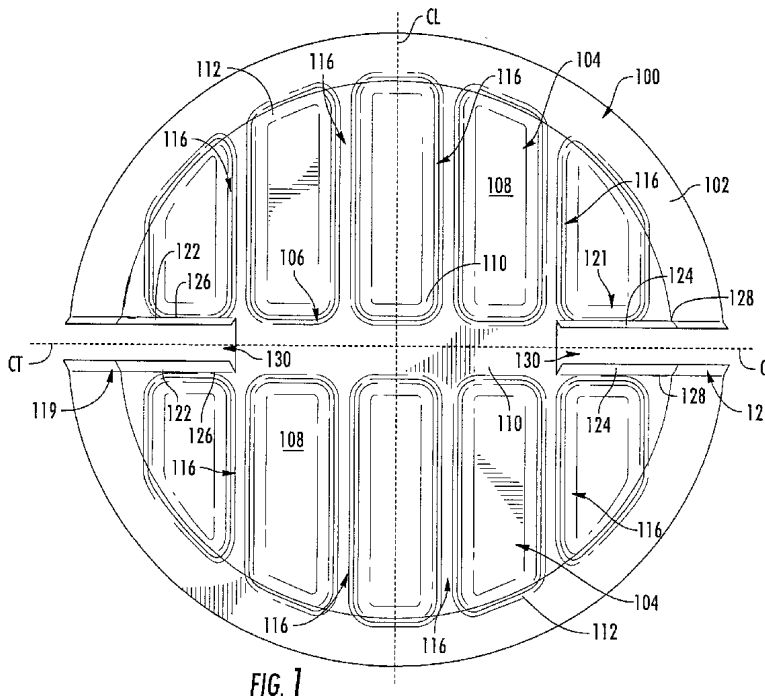


FIG. 1

(57) Abstract: A construct for heating a food product. The construct comprises a first centerline extending in a first direction and a second centerline extending in a second direction, wherein the first centerline is substantially perpendicular to the second centerline, a base, a pair of opposed platforms extending upwardly from the base. The pair

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**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*


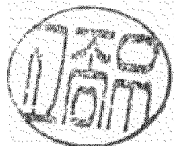
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of opposed platforms are separated by a recess extending in the second direction. The construct comprises at least one locating feature foldably connected to the construct and being located between the opposed platforms for locating a food product on one of the opposed platforms

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
<i>F24C 15/16(2006.01)i, F24C 15/14(2006.01)i, F24C 7/06(2006.01)i</i>		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) F24C 15/16; H05B 6/64; F24C 15/08; F24C 15/14; A47J 37/00		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean utility models and applications for utility models Japanese utility models and applications for utility models		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS(KIPO internal) & Keywords: "construct, locate, grill, rack and plate"		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-0436263 B1 (SAMSUNG ELECTRONICS CO., LTD.) 16 June 2004 See figures 2-5.	1-30
A	KR 10-0813904 B1 (JUNG, DAE JIN) 17 March 2008 See figures 1-4.	1-30
A	EP 0007522 A1 (SCHOTT GLASWERKE) 06 February 1980 See figures 1-4.	1-30
A	JP 07-033228 U (-) 20 June 1995 See figures 1-9.	1-30
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-0436263 B1	16.06.2004	CN 1208579 C0	29.06.2005
		CN 1447071 A	08.10.2003
		EP 1348365 A1	01.10.2003
		EP 1348365 B1	21.12.2005
		US 2003-0183625 A1	02.10.2003
		US 7205517 B2	17.04.2007
KR 10-0813904 B1	17.03.2008	None	
EP 0007522 A1	06.02.1980	DE 7821054 U1	19.10.1978
JP 07-033228 U	20.06.1995	JP 2535830 Y2	14.05.1997