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(12) **United States Design Patent**  
**Chavdar et al.**

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(54) **FRICITION PLATE FOR A CLUTCH**

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(US)

(57) **CLAIM**

The ornamental design for a friction plate for a clutch, as shown and described.

(73) Assignee: **Eaton Corporation**, Cleveland, OH  
(US)

(\*) Notice: This patent is subject to a terminal disclaimer.

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/494,657**

(22) Filed: **Jun. 23, 2014**

**Related U.S. Application Data**

(63) Continuation of application No. 29/415,093, filed on Mar. 7, 2012, now Pat. No. Des. 709,114, which is a continuation-in-part of application No. 13/328,159, filed on Dec. 16, 2011, now Pat. No. 8,939,269.

(51) **LOC (10) Cl.** ..... **15-09**

(52) **U.S. Cl.**  
USPC ..... **D15/148**

(58) **Field of Classification Search**  
USPC ..... D15/148, 149  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,747,473	A	5/1988	Bok et al.	
5,460,255	A	10/1995	Quigley	
5,713,450	A	2/1998	Quigley	
6,345,711	B1	2/2002	Sullivan	
7,249,663	B2	7/2007	Mordukhovich et al.	
2004/0079595	A1	4/2004	Fabricius et al.	
2004/0096134	A1*	5/2004	Ward	384/624

(Continued)

**DESCRIPTION**

FIG. 1 is a perspective view of a first embodiment of a friction plate for a clutch in accordance with the present teachings. FIG. 2 is a close-up view of the portion indicated as “2” as illustrated in FIG. 1.

FIG. 3 is a top plan view of the friction plate for a clutch of FIG. 1, wherein the bottom plan view is a mirror image thereof.

FIG. 4 is a first edge view of the friction plate for a clutch of FIG. 1.

FIG. 5 is a second edge view of the friction plate for a clutch of FIG. 1.

FIG. 6 is a third edge view of the friction plate for a clutch of FIG. 1, wherein a fourth edge view 180° of the third edge view is a mirror image thereof.

FIG. 7 is a perspective view of a second embodiment of a friction plate for a clutch in accordance with the present teachings.

FIG. 8 is a close-up view of the portion indicated as “8” as illustrated in FIG. 7.

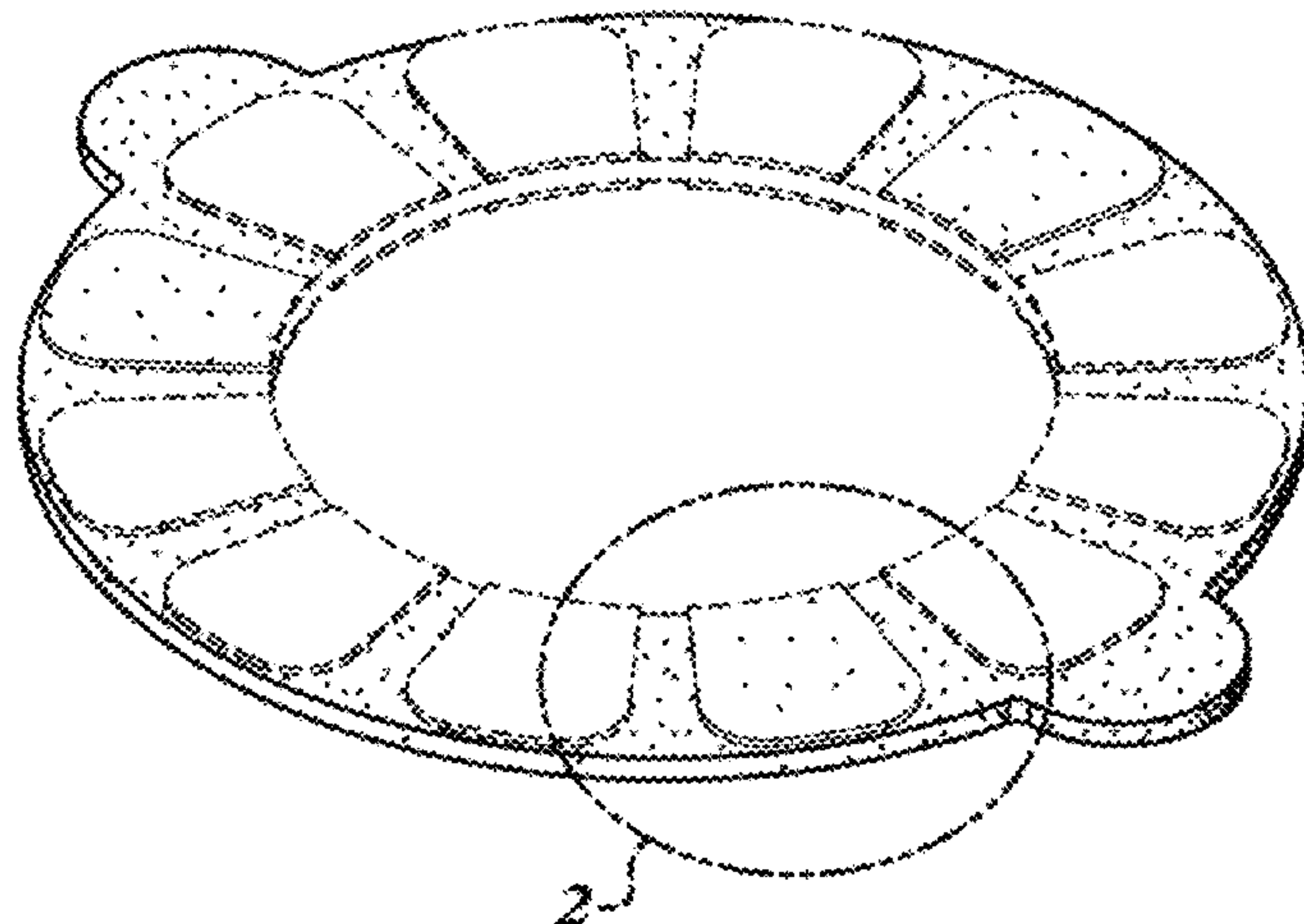
FIG. 9 is a top plan view of the friction plate for a clutch of FIG. 7, wherein the bottom plan view is a mirror image thereof.

FIG. 10 is a first edge view of the friction plate for a clutch of FIG. 7; and,

FIG. 11 is a second edge view of the friction plate for a clutch of FIG. 7.

The broken lines shown in the drawings illustrate portions of the friction plate for a clutch that form no part of the claimed design.

**1 Claim, 1 Drawing Sheet**



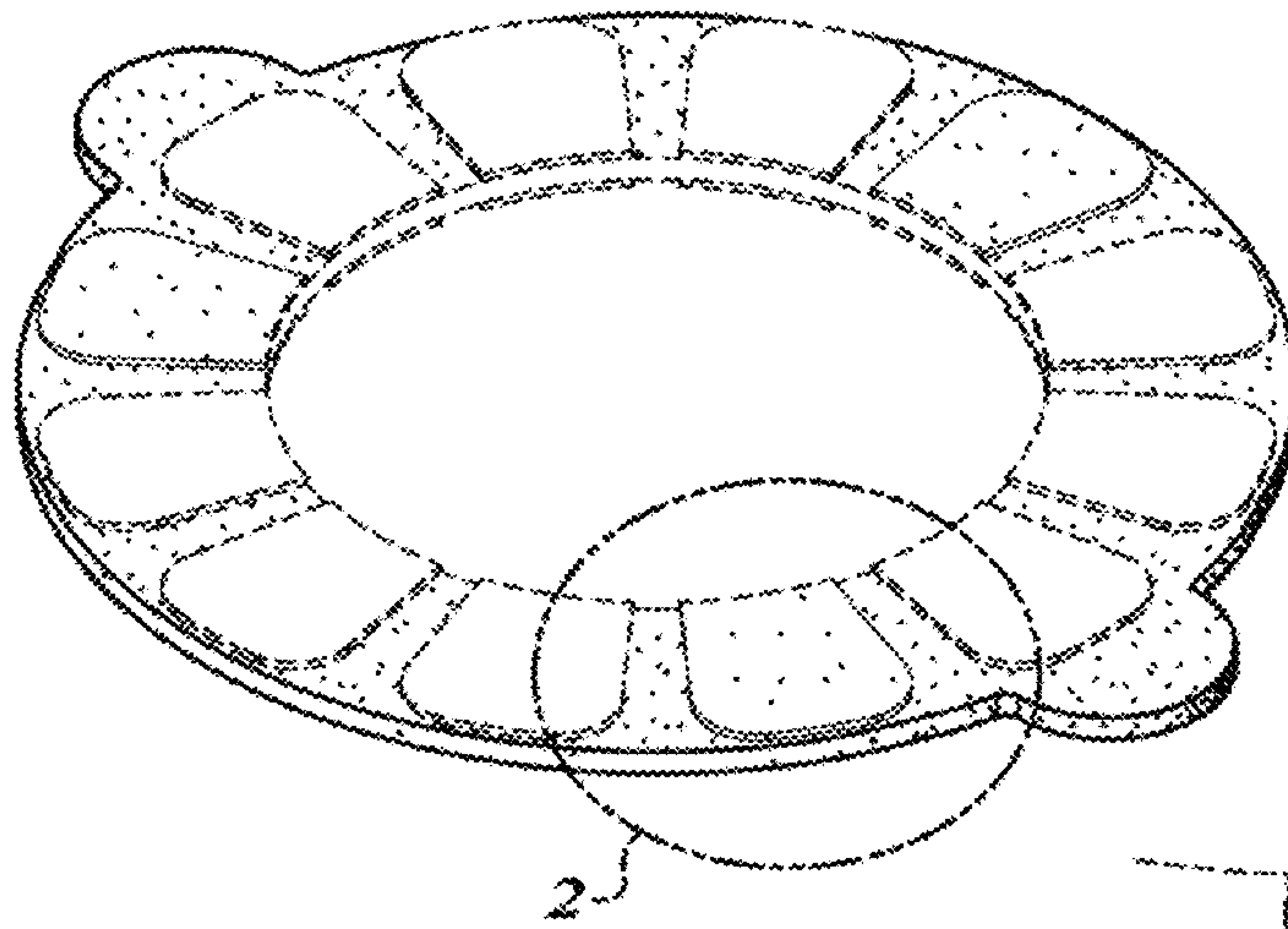
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**References Cited**

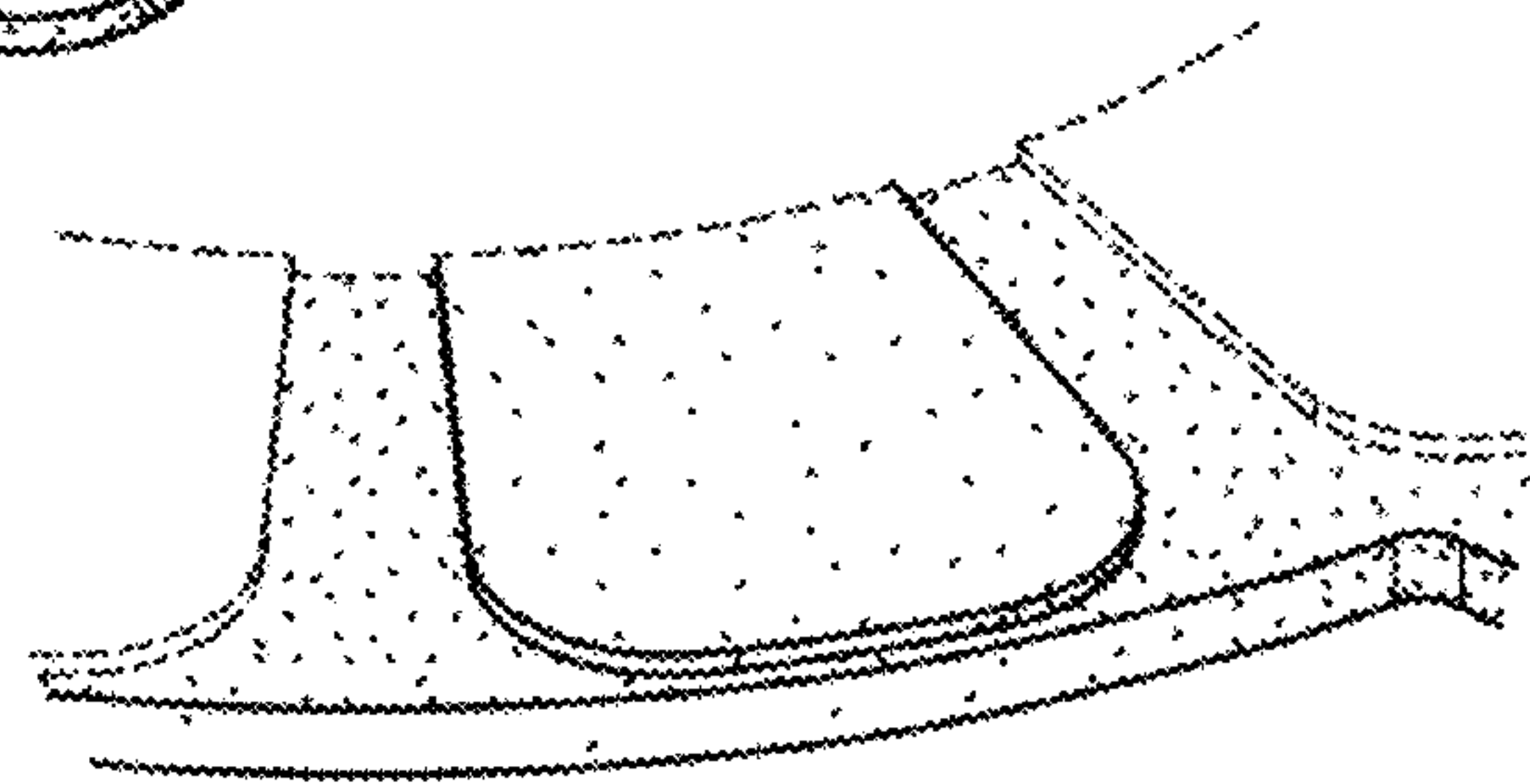
U.S. PATENT DOCUMENTS

2009/0229939	A1 *	9/2009	Gold	.....	192/57				
2010/0200356	A1 *	8/2010	Dodo	.....	192/107 R				
2012/0228077	A1 *	9/2012	DeGowske	.....	192/70.11				
2013/0032271	A1 *	2/2013	Reiners	.....	156/60				
2013/0092499	A1 *	4/2013	Luipold	.....	192/107 R				
2013/0118858	A1 *	5/2013	Mordukhovich	.....	192/107 M				
2013/0153357	A1 *	6/2013	Kulkarni et al.	.....	192/55.3				
2013/0153358	A1 *	6/2013	Chavdar et al.	.....	192/70.14				
2013/0175127	A1 *	7/2013	MacKelvie	.....	188/250 B				
2013/0192950	A1 *	8/2013	Warren et al.	.....	192/107 C				

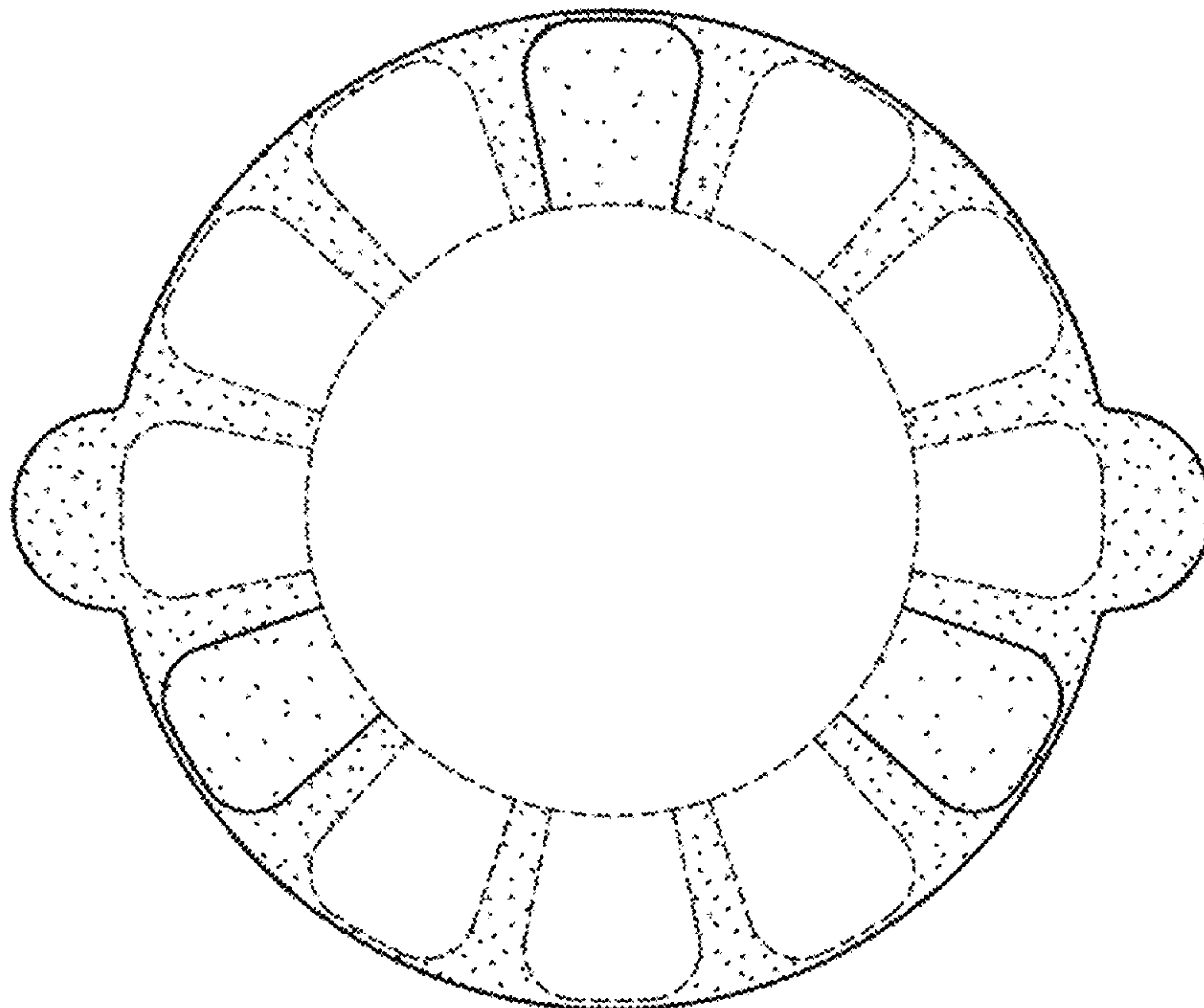
\* cited by examiner



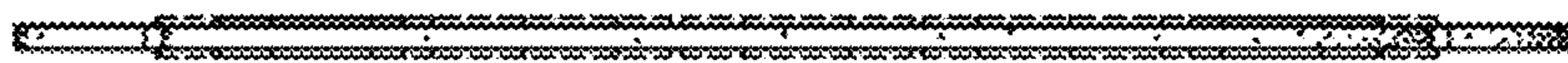
**FIG. 1**



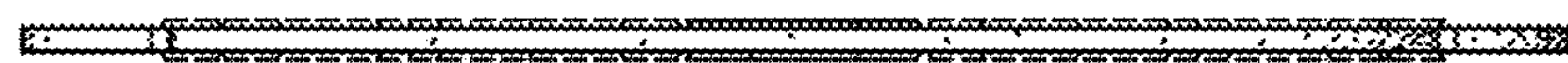
**FIG. 2**



**FIG. 3**



**FIG. 4**



**FIG. 5**



**FIG. 6**

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D757,143 S  
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INVENTOR(S) : Bulent Chavdar et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title page under “DESCRIPTION”, delete the descriptions for FIGS. 7 through 11.

Signed and Sealed this  
Fifteenth Day of November, 2016



Michelle K. Lee  
*Director of the United States Patent and Trademark Office*