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(12) **United States Design Patent** (10) **Patent No.:** **US D908,214 S**  
**Kaye et al.** (45) **Date of Patent:** **\*\* Jan. 19, 2021**

(54) **TIP PROTECTOR**  
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8,998,854 B2 4/2015 McKay  
8,999,291 B2 4/2015 Goodman et al.  
8,999,365 B2 4/2015 Lane et al.  
8,999,399 B2 4/2015 Lisowsky et al.  
D736,915 S \* 8/2015 Schultz ..... D24/129  
D751,699 S \* 3/2016 Mills ..... D24/127  
D791,936 S \* 7/2017 Davis ..... D24/127  
D825,750 S \* 8/2018 Feldmann ..... D24/130  
(Continued)

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/656,132**

**FOREIGN PATENT DOCUMENTS**

JP H05 15901 U 3/1993  
JP 2007 075281 A 3/2007  
WO 2016059383 4/2016

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(58) **Field of Classification Search**  
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128/200.24, 207.14, 207.15  
CPC ..... A61M 39/1011; F16L 37/0841; F16L  
2201/20; F16L 2201/60  
See application file for complete search history.

**OTHER PUBLICATIONS**

Invitation to Pay Additional Fees from PCT/US2019/041243 dated  
Sep. 26, 2019.

(Continued)

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(57) **CLAIM**

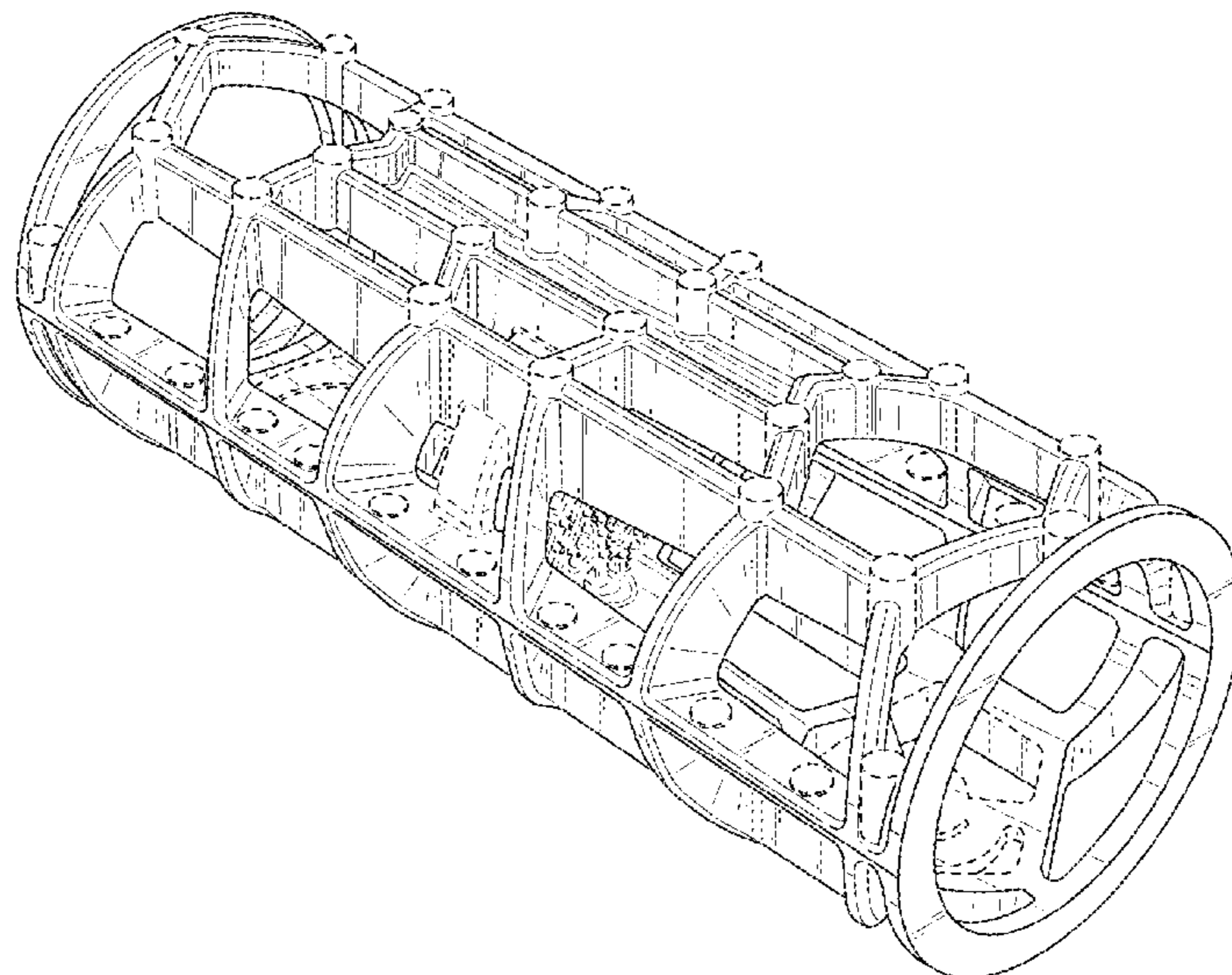
The ornamental design for a tip protector, as shown and  
described.

**DESCRIPTION**

FIG. 1 is a perspective view of a tip protector of the new  
design;  
FIG. 2 is a right-side view thereof;  
FIG. 3 is a left-side view thereof;  
FIG. 4 is a front view thereof;  
FIG. 5 is a rear view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
The broken lines show portions of the design that form no  
part of the claimed design.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
5,176,126 A \* 1/1993 Chikama ..... A61B 1/0055  
138/120  
6,045,623 A 4/2000 Cannon  
7,757,689 B2 \* 7/2010 Chang ..... B08B 15/026  
128/200.24  
D639,939 S \* 6/2011 Klockars ..... D24/129  
D649,635 S \* 11/2011 Cronin ..... D24/133  
D690,418 S \* 9/2013 Rosenquist ..... D24/129  
8,911,765 B2 12/2014 Moses et al.  
8,951,543 B2 2/2015 Weiss et al.  
D727,493 S \* 4/2015 Biener ..... D24/110.6

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D859,650 S \* 9/2019 Steele ..... D24/129  
D860,474 S \* 9/2019 Kawabe ..... D24/224  
2002/0193741 A1 12/2002 Secrest  
2009/0221872 A1 9/2009 Liddle et al.  
2014/0343361 A1 11/2014 Salman et al.  
2015/0069728 A1 3/2015 Seitz, III  
2019/0282356 A1\* 9/2019 Cully ..... A61F 2/97

OTHER PUBLICATIONS

International Search Report and Written Opinion from Application  
No. PCT/US2019/041243 dated Nov. 20, 2019 (18 pages).  
Ruhof's ScopeValet™ TipGuard <https://www.ruhof.com/products/scopevalet-tipguard> Dec. 29, 2017 (1 page).

\* cited by examiner

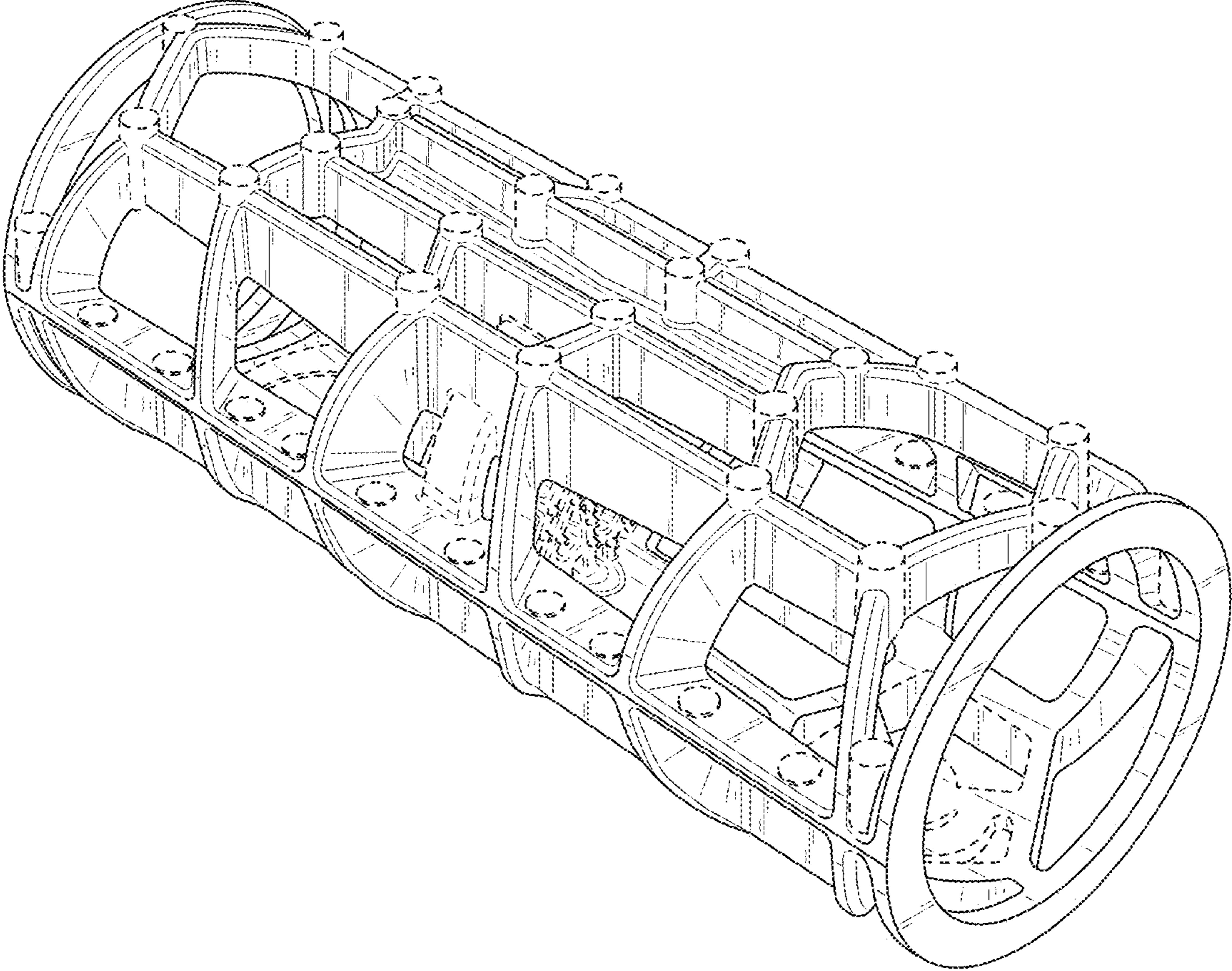


FIG. 1

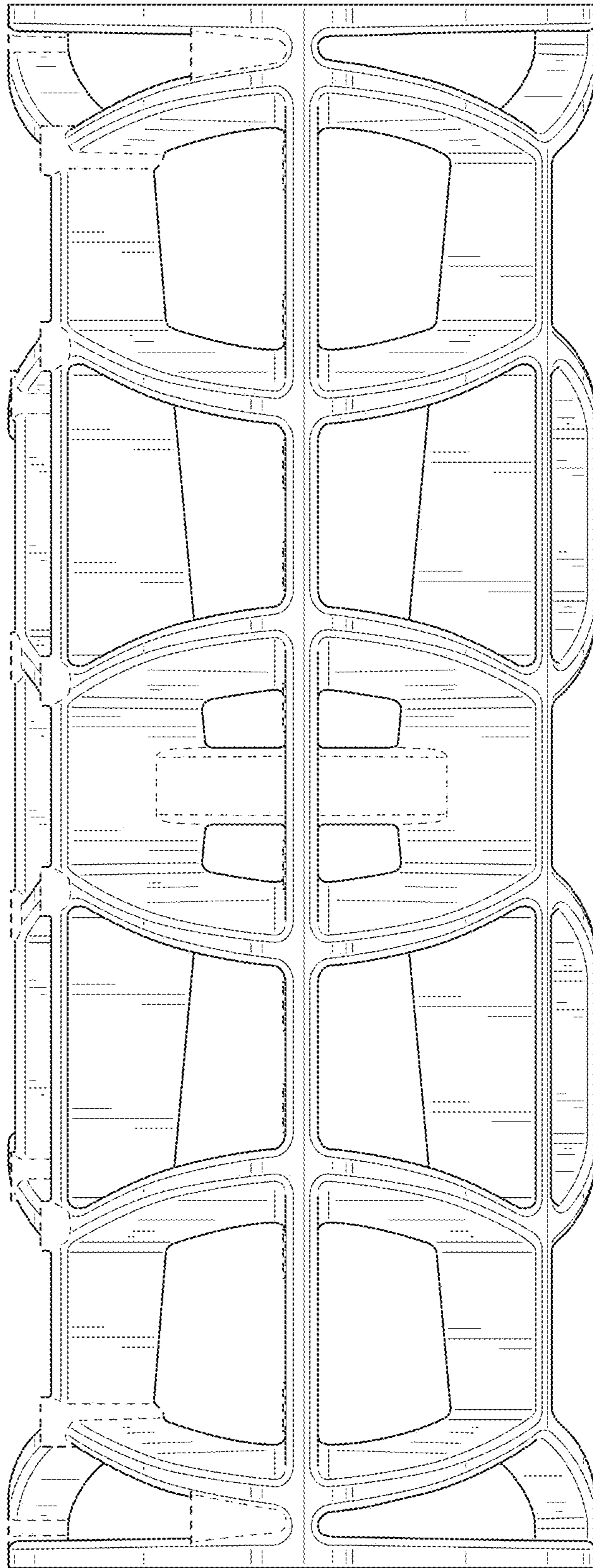


FIG. 2

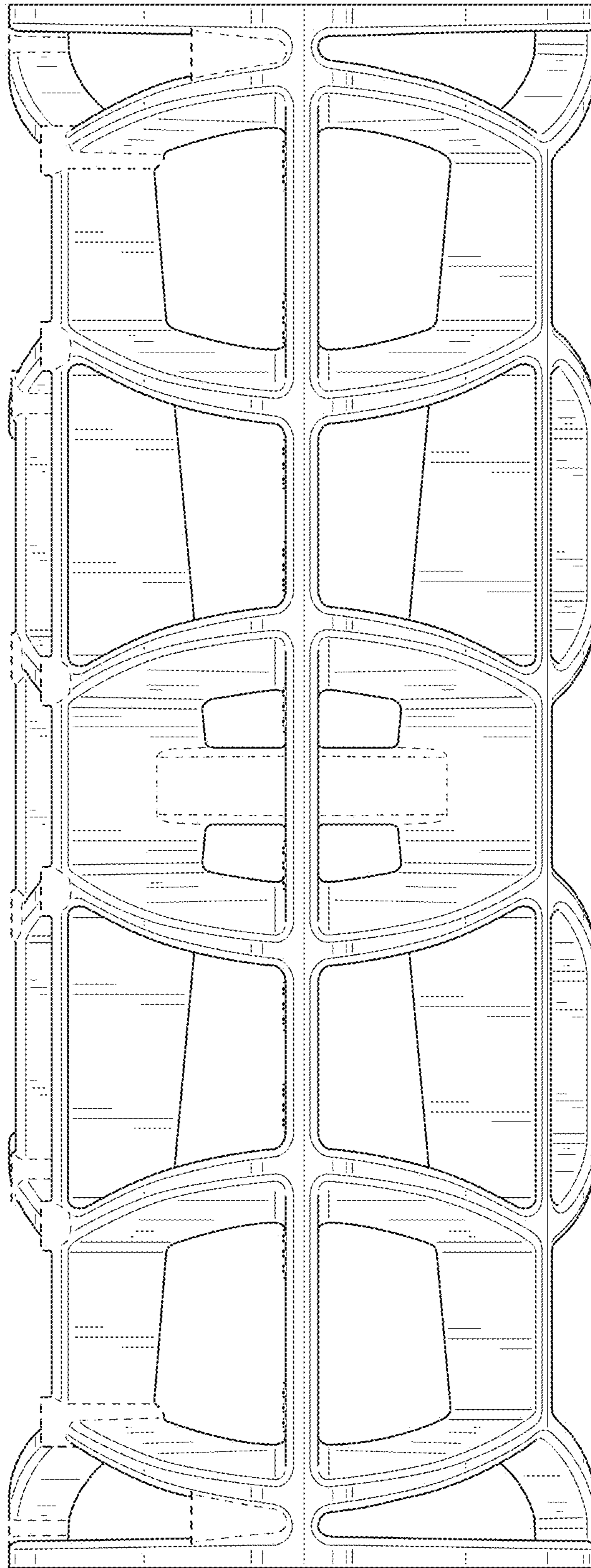


FIG. 3

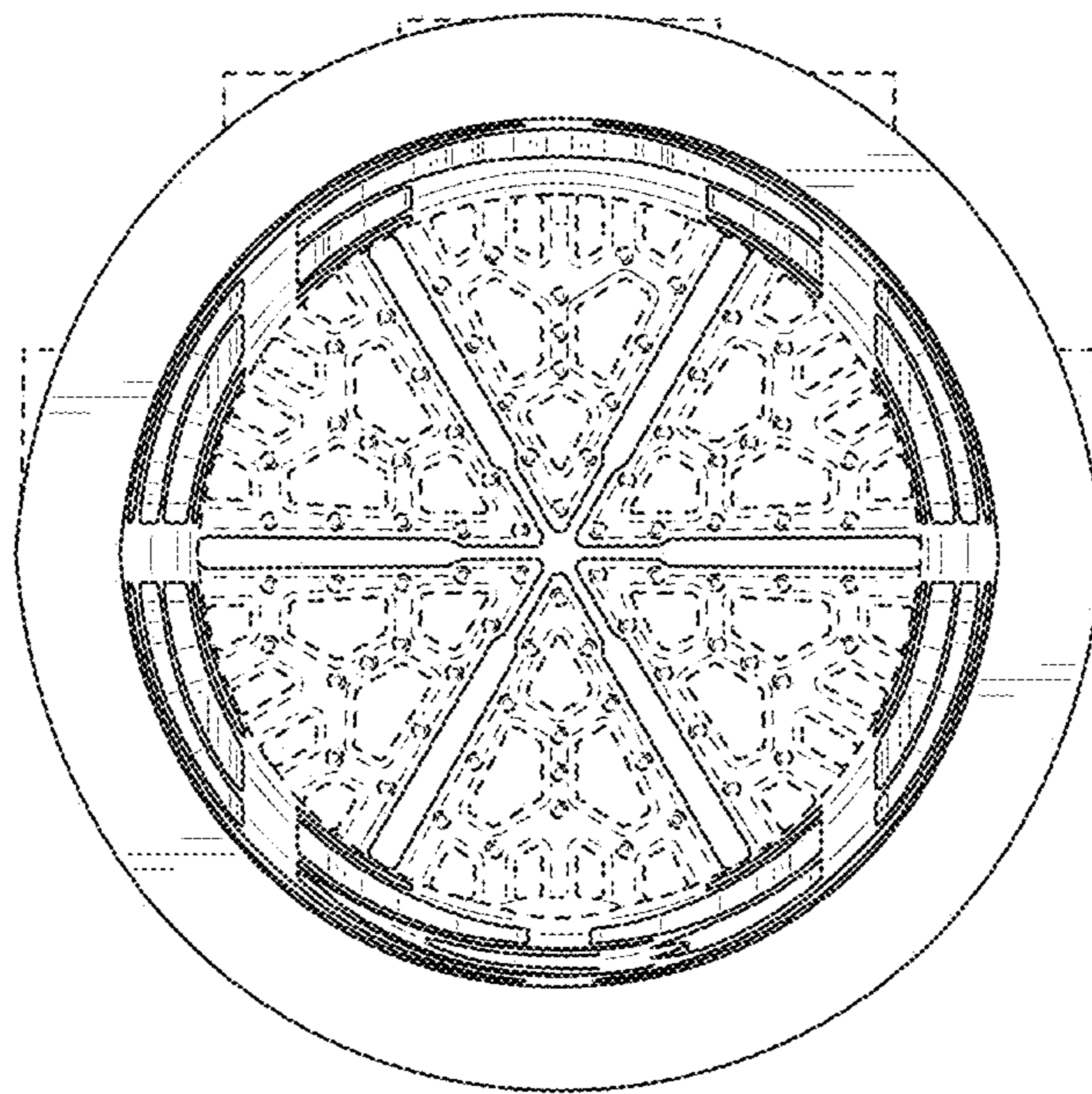


FIG. 4

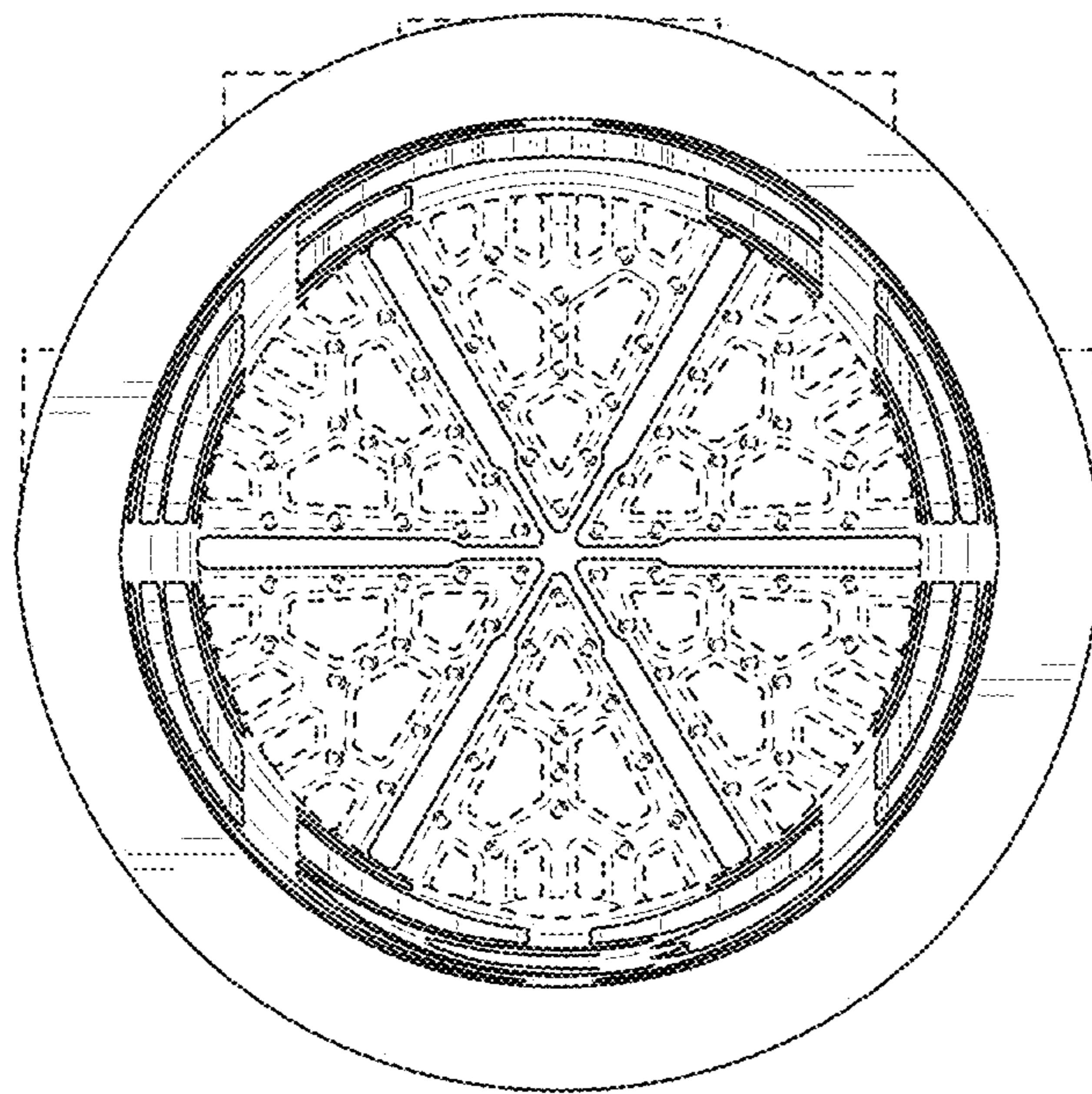


FIG. 5

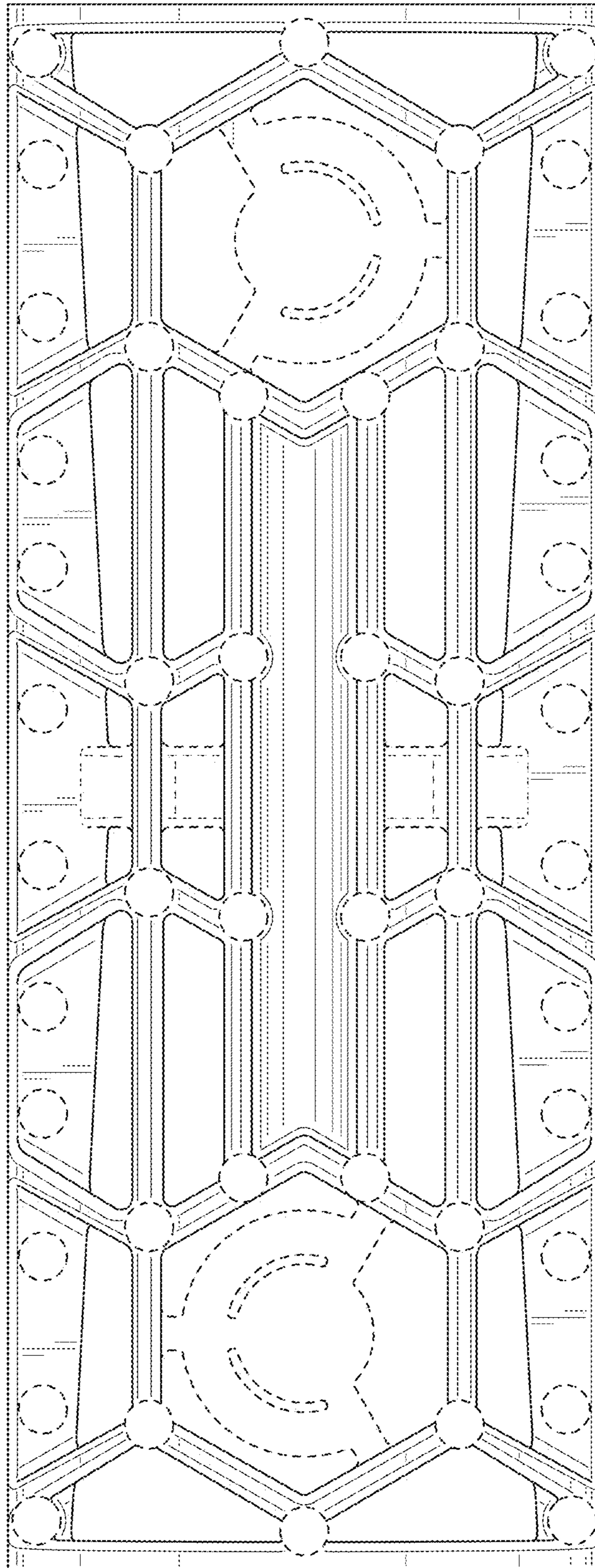


FIG. 6



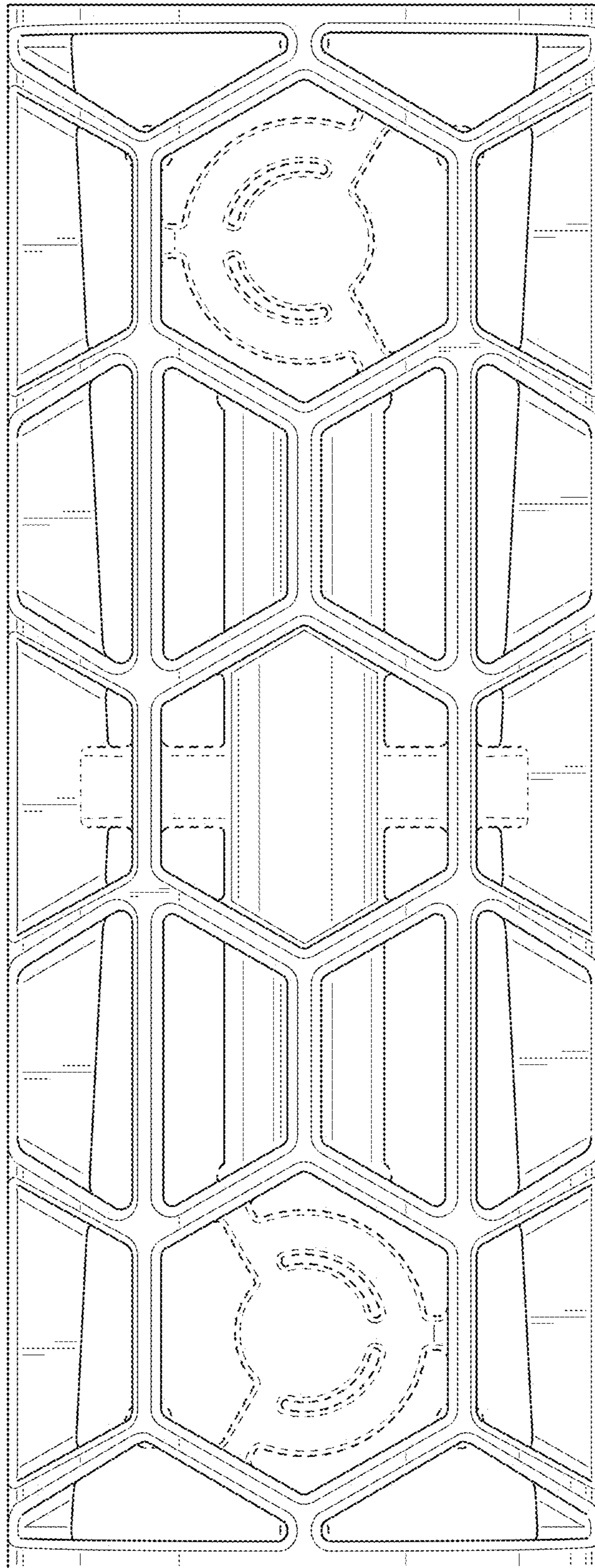


FIG. 7