



US00D831578S

(12) **United States Design Patent** (10) **Patent No.:** **US D831,578 S**  
**Bubas et al.** (45) **Date of Patent:** **\*\* Oct. 23, 2018**

(54) **FIBER OPTIC CLOSURE**  
(71) Applicant: **CCS Technology, Inc.**, Wilmington, DE (US)  
(72) Inventors: **Jedrzej Bubas**, Lodz (PL); **Tomasz Andrzej Ciechomski**, Lowicz (PL)  
(73) Assignee: **Corning Optical Communications LLC**, Hickory, NC (US)  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/582,529**  
(22) Filed: **Oct. 28, 2016**  
(51) **LOC (11) Cl.** ..... **13-03**  
(52) **U.S. Cl.**  
USPC ..... **D13/152**; D13/184  
(58) **Field of Classification Search**  
USPC ..... D13/152, 155, 184; D14/140.4  
CPC ... G02B 6/4441; H04W 88/085; H04W 88/10  
See application file for complete search history.

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
5,459,808 A \* 10/1995 Keith ..... G02B 6/4441  
385/134  
D370,891 S \* 6/1996 Keith ..... D13/184  
5,694,511 A \* 12/1997 Pimpinella ..... G02B 6/4452  
385/134  
D421,965 S \* 3/2000 Johnston ..... D13/147  
D431,532 S \* 10/2000 Noble ..... D13/152  
6,621,975 B2 9/2003 Laporte et al.  
D484,469 S \* 12/2003 Thibault ..... D13/184  
6,766,094 B2 7/2004 Smith et al.  
6,798,967 B2 9/2004 Battey et al.  
D498,211 S \* 11/2004 Thibault ..... D13/155  
7,740,409 B2 \* 6/2010 Bolton ..... G02B 6/4441  
385/139  
7,844,158 B2 \* 11/2010 Gronvall ..... G02B 6/4471  
385/135

7,869,681 B2 1/2011 Battey et al.  
8,532,490 B2 \* 9/2013 Smith ..... H04B 10/25754  
398/72  
2006/0093303 A1 \* 5/2006 Reagan ..... G02B 6/4466  
385/135  
2006/0147172 A1 \* 7/2006 Luther ..... G02B 6/4441  
385/135  
2009/0060439 A1 \* 3/2009 Cox ..... G02B 6/3897  
385/135  
2009/0123115 A1 \* 5/2009 Gronvall ..... G02B 6/4441  
385/76  
2009/0220204 A1 \* 9/2009 Ruiz ..... G02B 6/4454  
385/135  
2011/0222829 A1 \* 9/2011 Loeffelholz ..... G02B 6/4441  
385/135  
2013/0004122 A1 \* 1/2013 Kingsbury ..... G02B 6/4471  
385/31  
2013/0195418 A1 \* 8/2013 Mudd ..... G02B 6/4475  
385/135

(Continued)

*Primary Examiner* — Selina Sikder  
(74) *Attorney, Agent, or Firm* — Robert L. Branham

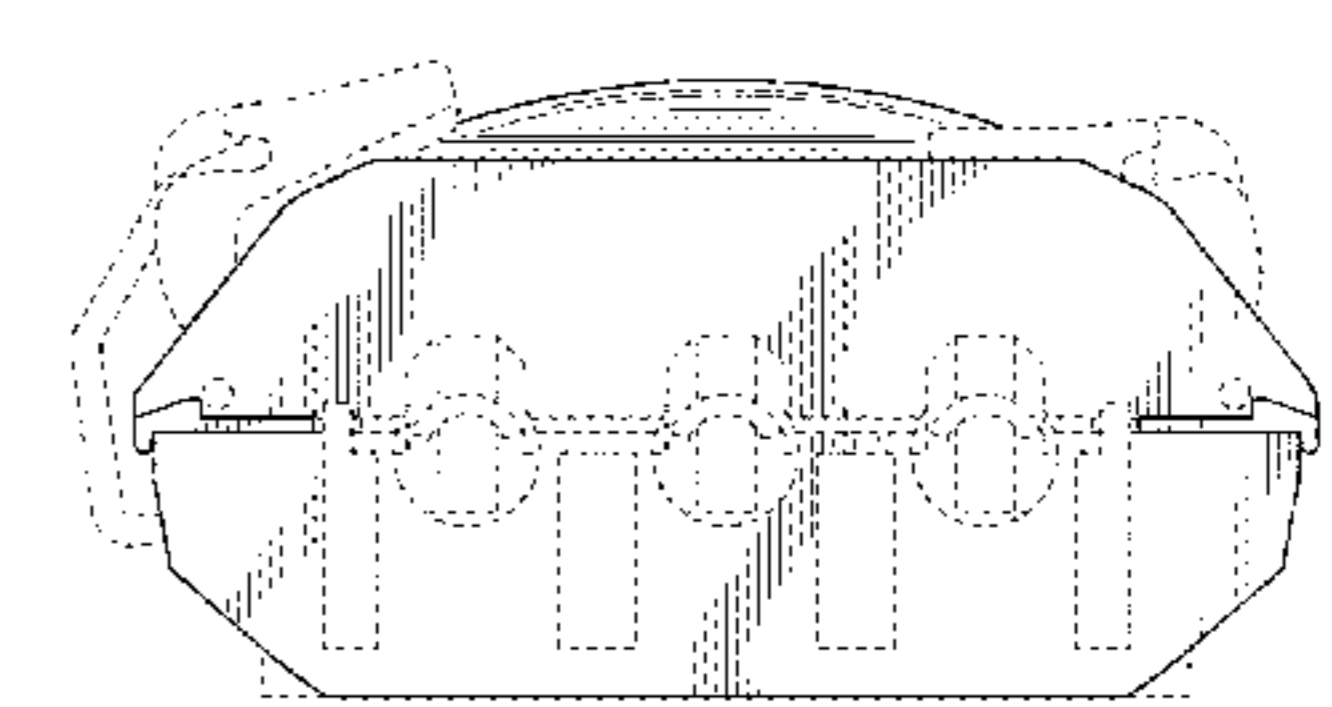
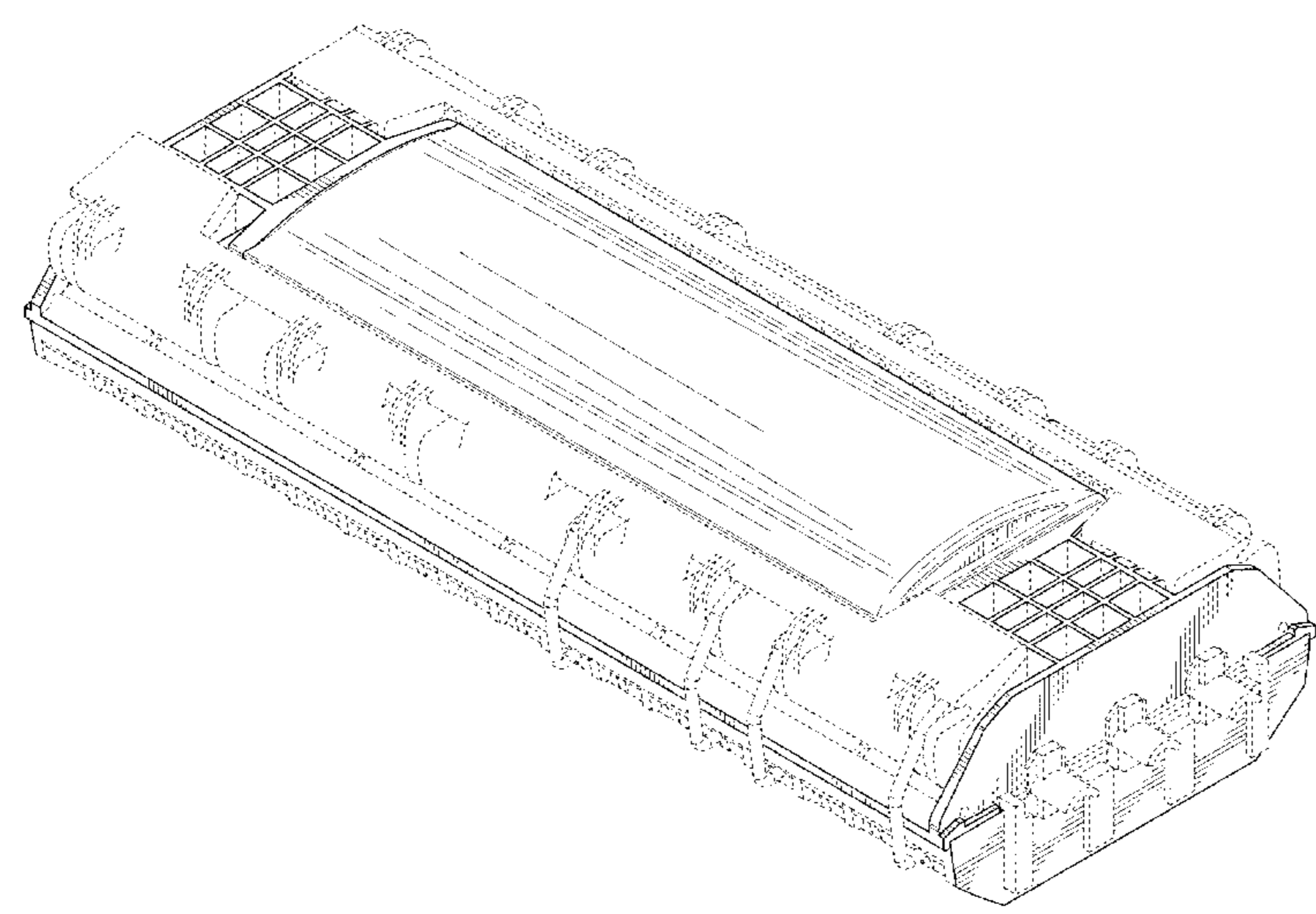
(57) **CLAIM**

The ornamental design for fiber optic closure, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a fiber optic closure;  
FIG. 2 is a top view thereof;  
FIG. 3 is a bottom view thereof;  
FIG. 4 is a right view thereof;  
FIG. 5 is a left view thereof;  
FIG. 6 is a front view thereof; and,  
FIG. 7 is a rear view thereof.  
The broken lines in the drawings are included for the purpose of illustrating environmental structure and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2017/0371118 A1\* 12/2017 Vaughn ..... G02B 6/4441  
2018/0059348 A1\* 3/2018 Burkett ..... G02B 6/4441

\* cited by examiner

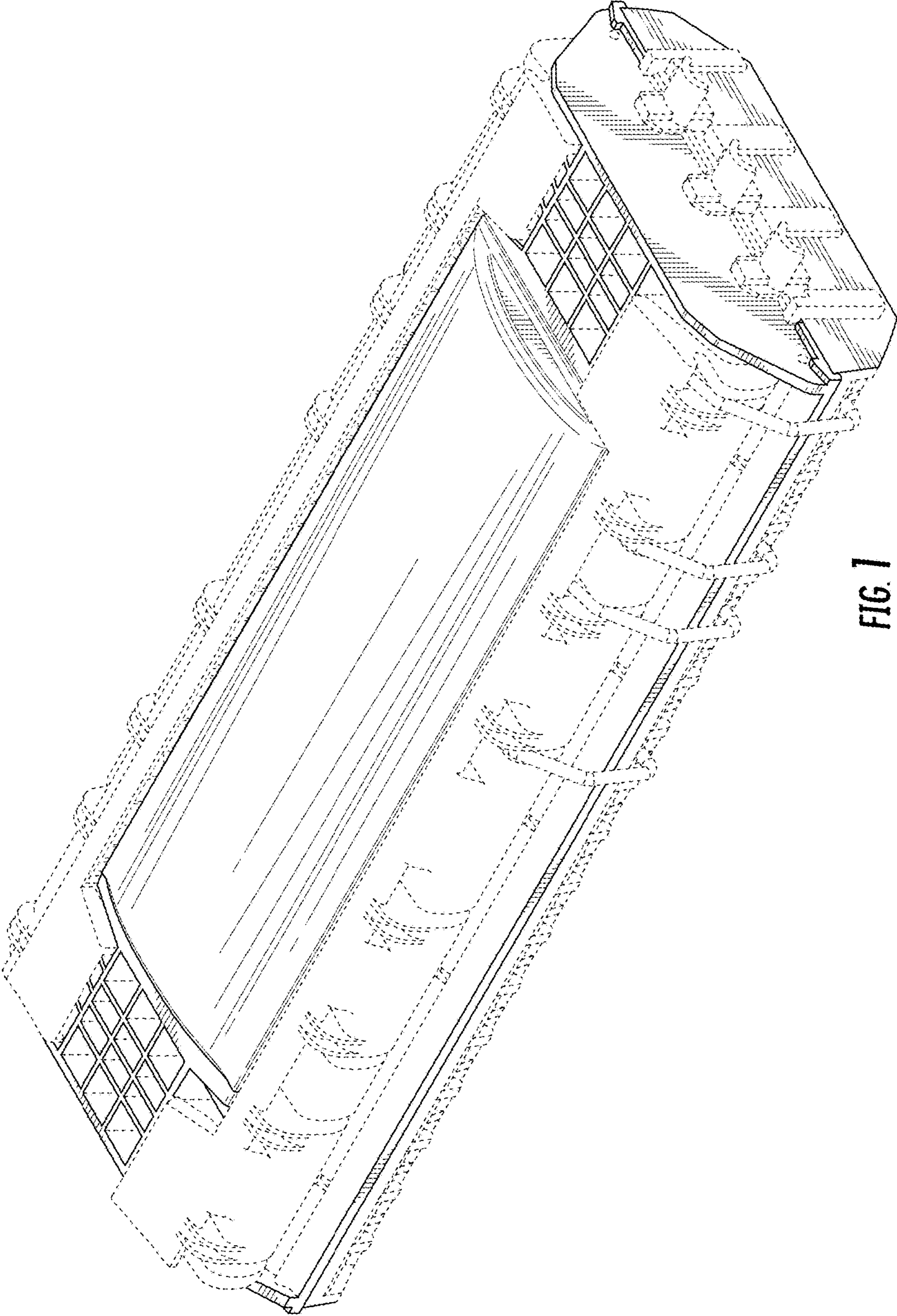


FIG. 1

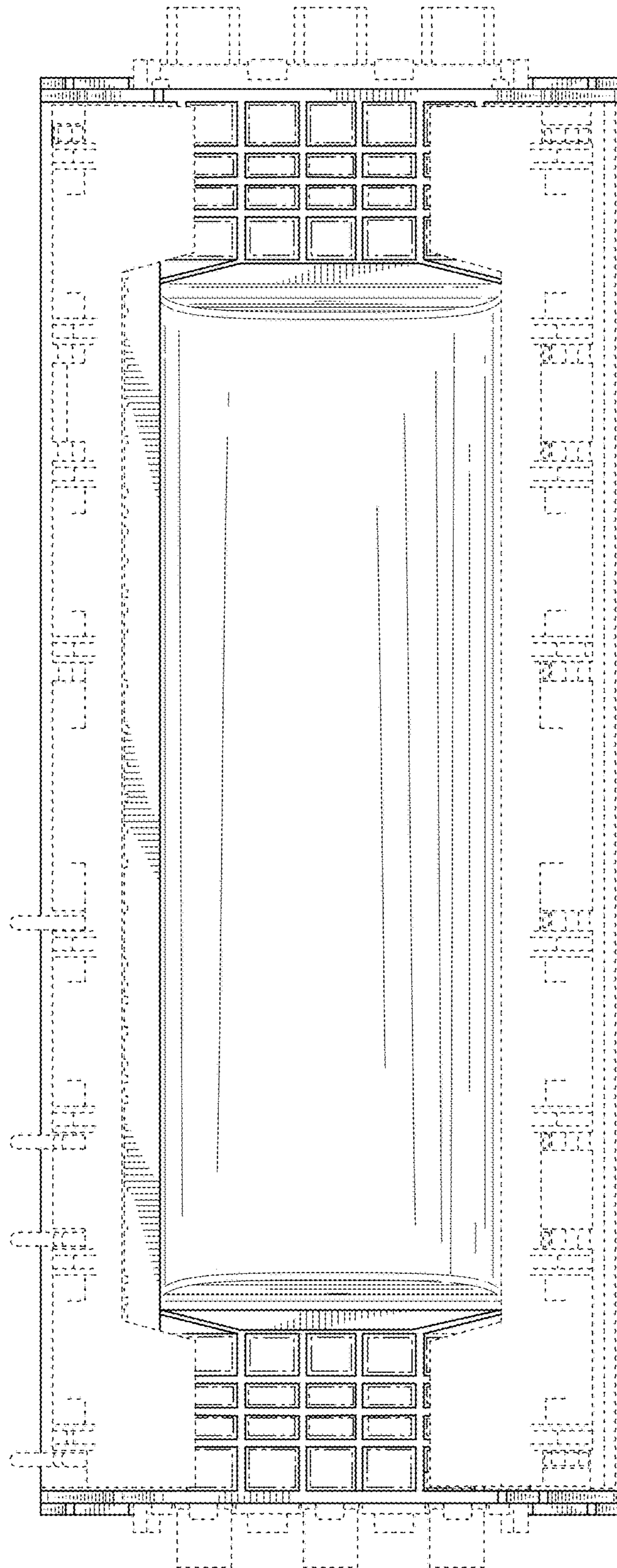


FIG. 2

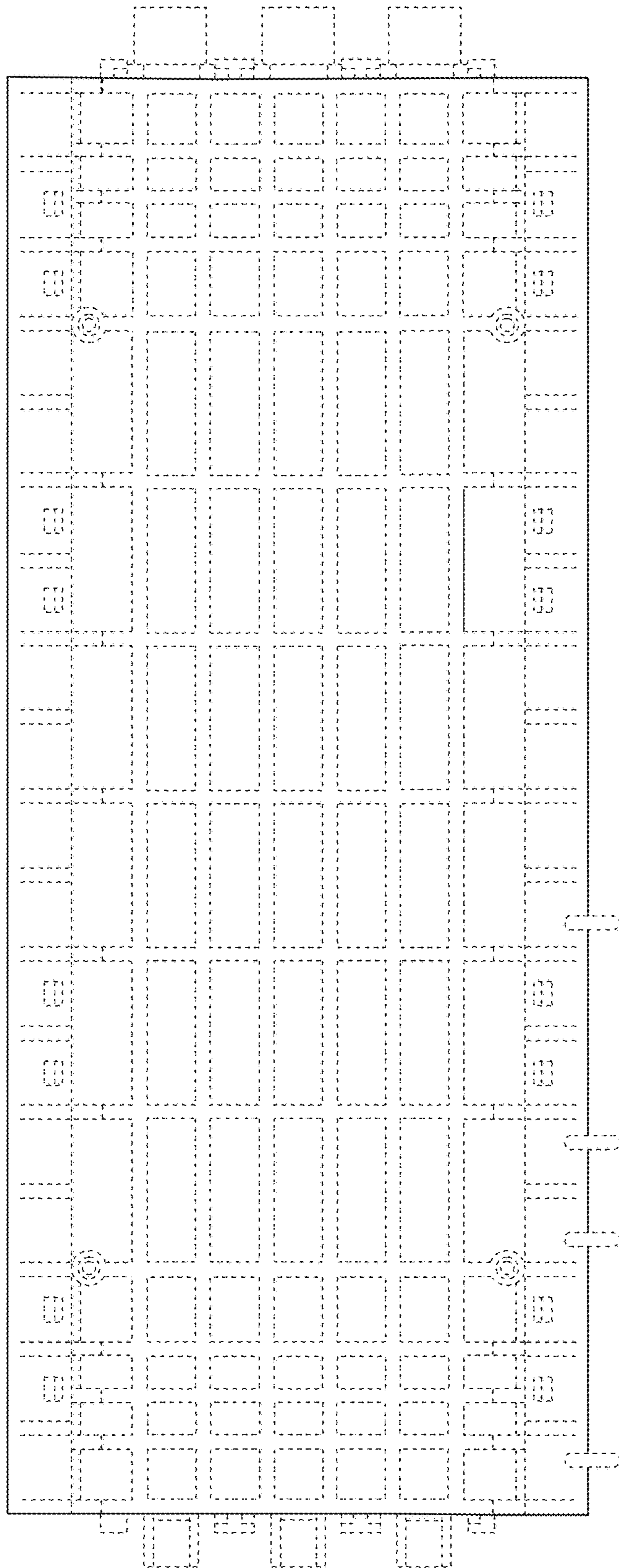


FIG. 3

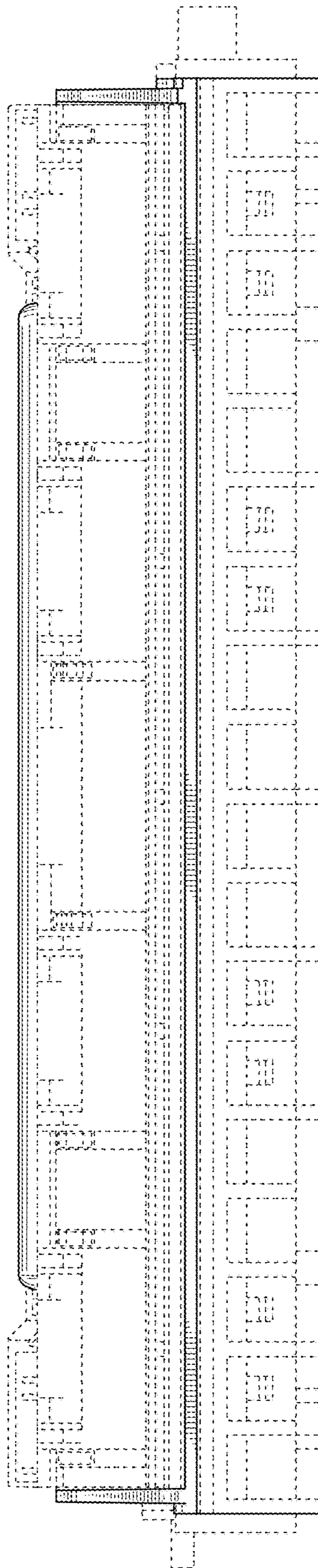


FIG. 4

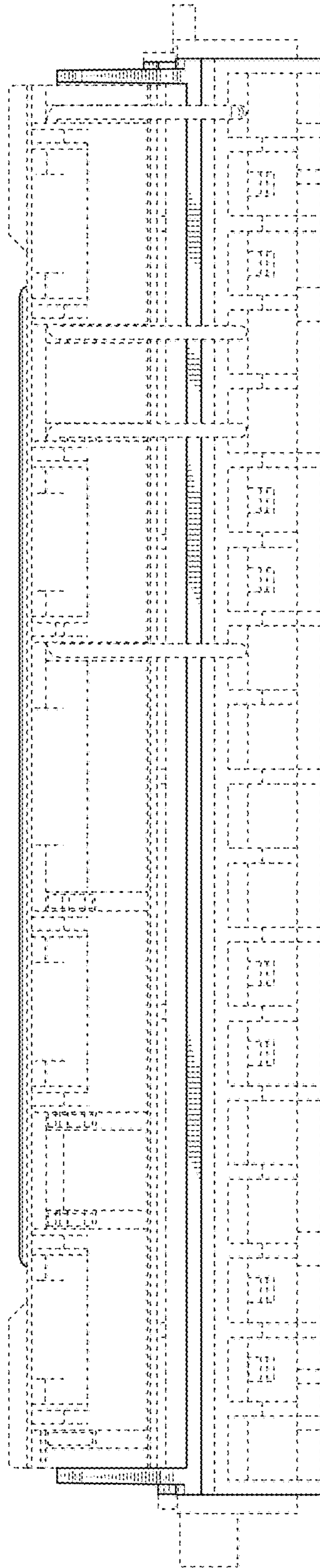


FIG. 5

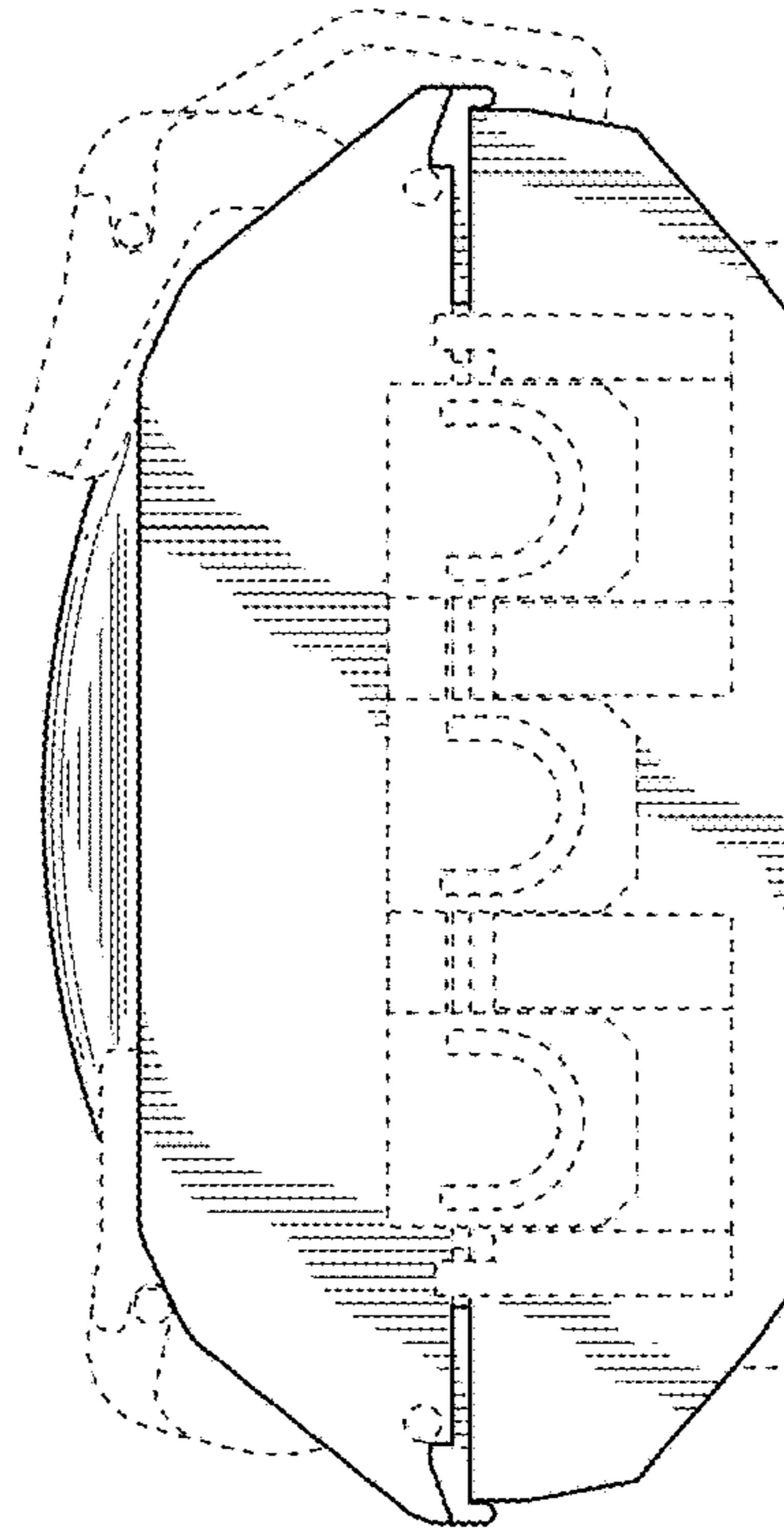


FIG. 6

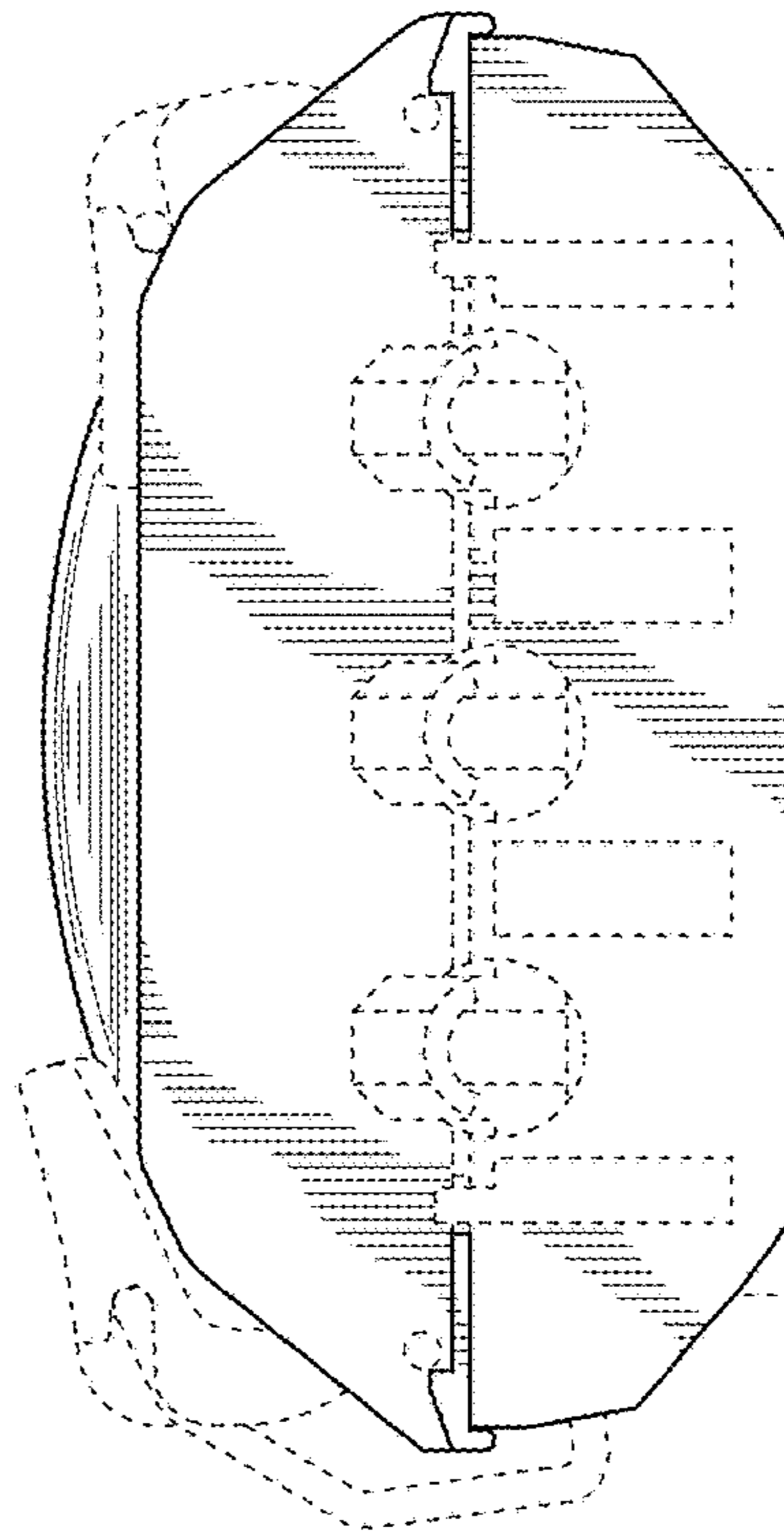


FIG. 7



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

PATENT NO. : D831,578 S  
APPLICATION NO. : 29/582529  
DATED : October 23, 2018  
INVENTOR(S) : Jędrzej Bubas et al.

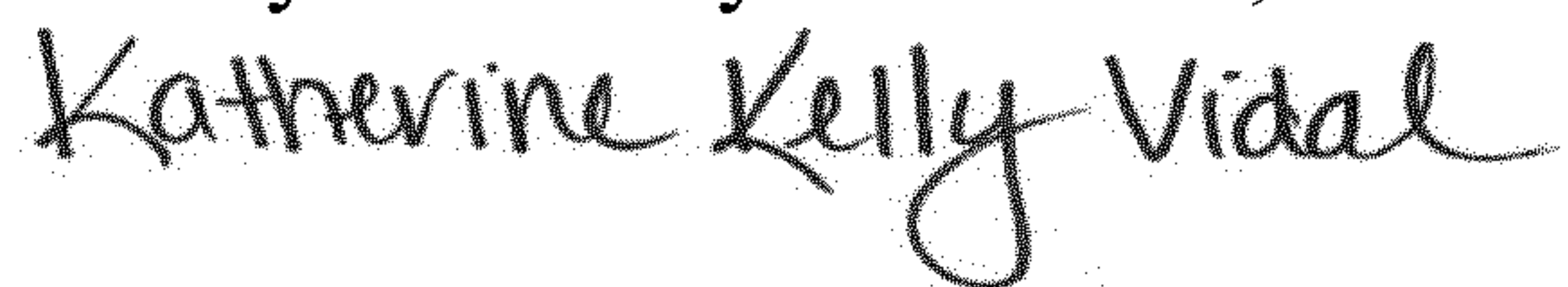
Page 1 of 1

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

In Column 1, item (71), Applicant, Lines 1-2, delete "CCS Technology, Inc., Wilmington, DE (US)" and insert -- Corning Optical Communications LLC, Hickory, NC (US) --, therefor.

Signed and Sealed this  
Twenty-ninth Day of October, 2024



Katherine Kelly Vidal  
*Director of the United States Patent and Trademark Office*