



US00D848585S

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

(10) **Patent No.:** **US D848,585 S**  
(45) **Date of Patent:** **\*\* May 14, 2019**

(54) **SEAL**

(71) Applicant: **NIPPON VALQUA INDUSTRIES, LTD.**, Tokyo (JP)

(72) Inventor: **Takahiro Yamamoto**, Gojo (JP)

(73) Assignee: **VALQUA, LTD.**, Tokyo (JP)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/645,572**

(22) Filed: **Apr. 27, 2018**

**Related U.S. Application Data**

(62) Division of application No. 29/571,746, filed on Jul. 21, 2016, now Pat. No. Des. 819,187.

(30) **Foreign Application Priority Data**

Jan. 26, 2016 (JP) ..... 2016-001512  
Jan. 26, 2016 (JP) ..... 2016-001513

(Continued)

(51) **LOC (11) Cl.** ..... **23-01**

(52) **U.S. Cl.**  
USPC ..... **D23/269**

(58) **Field of Classification Search**

USPC ..... D23/262, 269; 277/351-359, 504,  
277/562-563, 572, 361-364, 381-382,  
277/394-395, 606, 616, 314; 285/42-50

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,472,523 A \* 10/1969 Carlson, Jr. .... F16J 15/024  
277/649  
3,576,330 A \* 4/1971 Gard ..... F16J 15/125  
277/654

(Continued)

**FOREIGN PATENT DOCUMENTS**

JP 550768 S 3/1981  
JP 1200028 S 3/2004

(Continued)

**OTHER PUBLICATIONS**

Japanese Office Action dated Nov. 14, 2016 issued in Japanese counterpart application No. 2016-001512, with English translation.

(Continued)

*Primary Examiner* — Eric L Goodman

*Assistant Examiner* — Amy C Wierenga

(74) *Attorney, Agent, or Firm* — Dickinson Wright PLLC

(57) **CLAIM**

The ornamental design for a seal, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a seal showing my new design;

FIG. 2 is a front view thereof;

FIG. 3 is a back view thereof;

FIG. 4 is a top view thereof;

FIG. 5 is a bottom view thereof;

FIG. 6 is a right side view thereof;

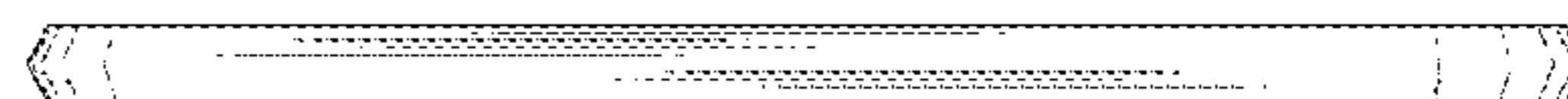
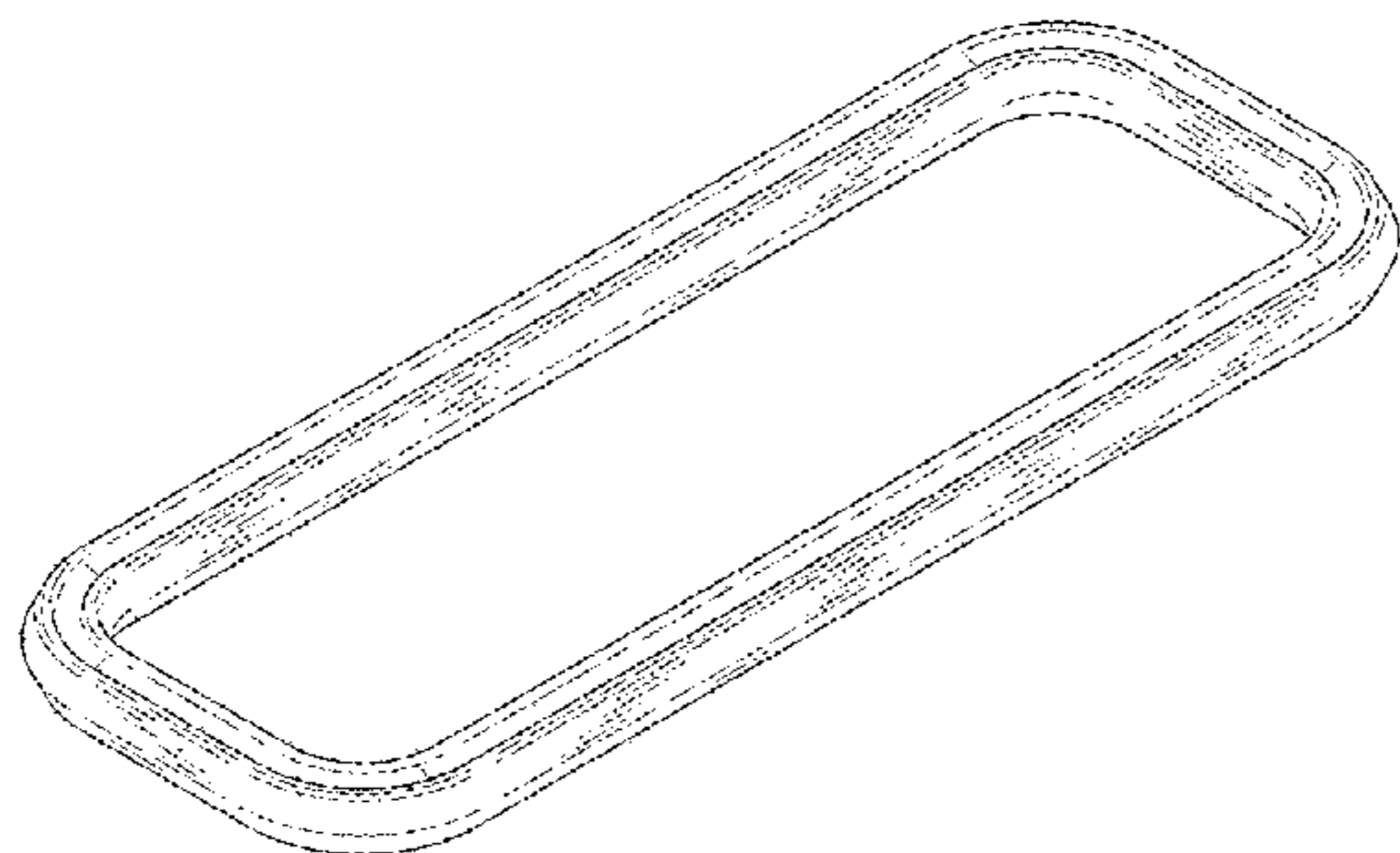
FIG. 7 is a left side view thereof;

FIG. 8 is a cross-sectional view of the portion 8-8 of FIG. 4 thereof; and,

FIG. 9 is an enlarged cross-sectional view of the portion 9-9 of FIG. 8.

The dash-dot broken line shown in FIG. 9 indicates cutoff boundaries for the enlarged cross-sectional portion view that form no part of the claim.

**1 Claim, 3 Drawing Sheets**



(30) **Foreign Application Priority Data**

Jan. 26, 2016 (JP) ..... 2016-001514  
 Jan. 26, 2016 (JP) ..... 2016-001515

(58) **Field of Classification Search**

CPC ..... E04D 13/1406; E04D 13/1407;  
 F16J 15/106; F16J 15/164  
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,570,944 A \* 2/1986 Traub ..... F16J 15/56  
 277/572  
 5,536,018 A \* 7/1996 Szott ..... F16J 15/104  
 277/313  
 5,692,758 A 12/1997 Wikstrom  
 D517,679 S 3/2006 Stout et al.  
 D633,991 S 3/2011 Nakagawa  
 D638,523 S \* 5/2011 Yoshida ..... D23/269  
 D646,764 S \* 10/2011 Rusconi ..... D23/269  
 D655,401 S 3/2012 Muramatsu  
 D655,797 S 3/2012 Muramatsu  
 D692,391 S 10/2013 Kim  
 8,608,856 B2 \* 12/2013 Hayashi ..... F16J 15/104  
 118/733  
 8,888,106 B2 \* 11/2014 Hamade ..... F16J 15/104  
 277/626  
 D737,415 S \* 8/2015 Sato ..... D23/269  
 D743,513 S \* 11/2015 Yamagishi ..... D23/269  
 D754,308 S \* 4/2016 Nakagawa ..... D23/269

D755,356 S 5/2016 Vaseleniuck et al.  
 D776,529 S \* 1/2017 Torrison ..... D9/435  
 D785,144 S \* 4/2017 Kitagawa ..... D23/269  
 D818,089 S \* 5/2018 Kim ..... D23/269  
 D819,187 S \* 5/2018 Yamamoto ..... D23/269  
 D821,552 S \* 6/2018 Nakagawa ..... D23/269  
 D822,181 S \* 7/2018 Nakagawa ..... D23/269  
 10,072,776 B2 \* 9/2018 Kocourek ..... F16J 15/062  
 2003/0160452 A1 8/2003 Mattsson et al.  
 2009/0045371 A1 2/2009 Kamibayashiyama  
 2009/0289450 A1 11/2009 Bluhm  
 2014/0175310 A1 6/2014 Coppola et al.  
 2015/0184761 A1 7/2015 Kusakabe  
 2017/0211706 A1 7/2017 Amir et al.

FOREIGN PATENT DOCUMENTS

JP 2005-036926 A 2/2005  
 JP 1275000 S 6/2006  
 JP 1275345 S 6/2006  
 JP 2012-132476 A 7/2012

OTHER PUBLICATIONS

Japanese Office Action dated Nov. 14, 2016 issued in Japanese counterpart application No. 2016-001513, with English translation.  
 Japanese Office Action dated Nov. 14, 2016 issued in Japanese counterpart application No. 2016-001514, with English translation.  
 Japanese Office Action dated Nov. 14, 2016 issued in Japanese counterpart application No. 2016-001515, with English translation.

\* cited by examiner

FIG.1

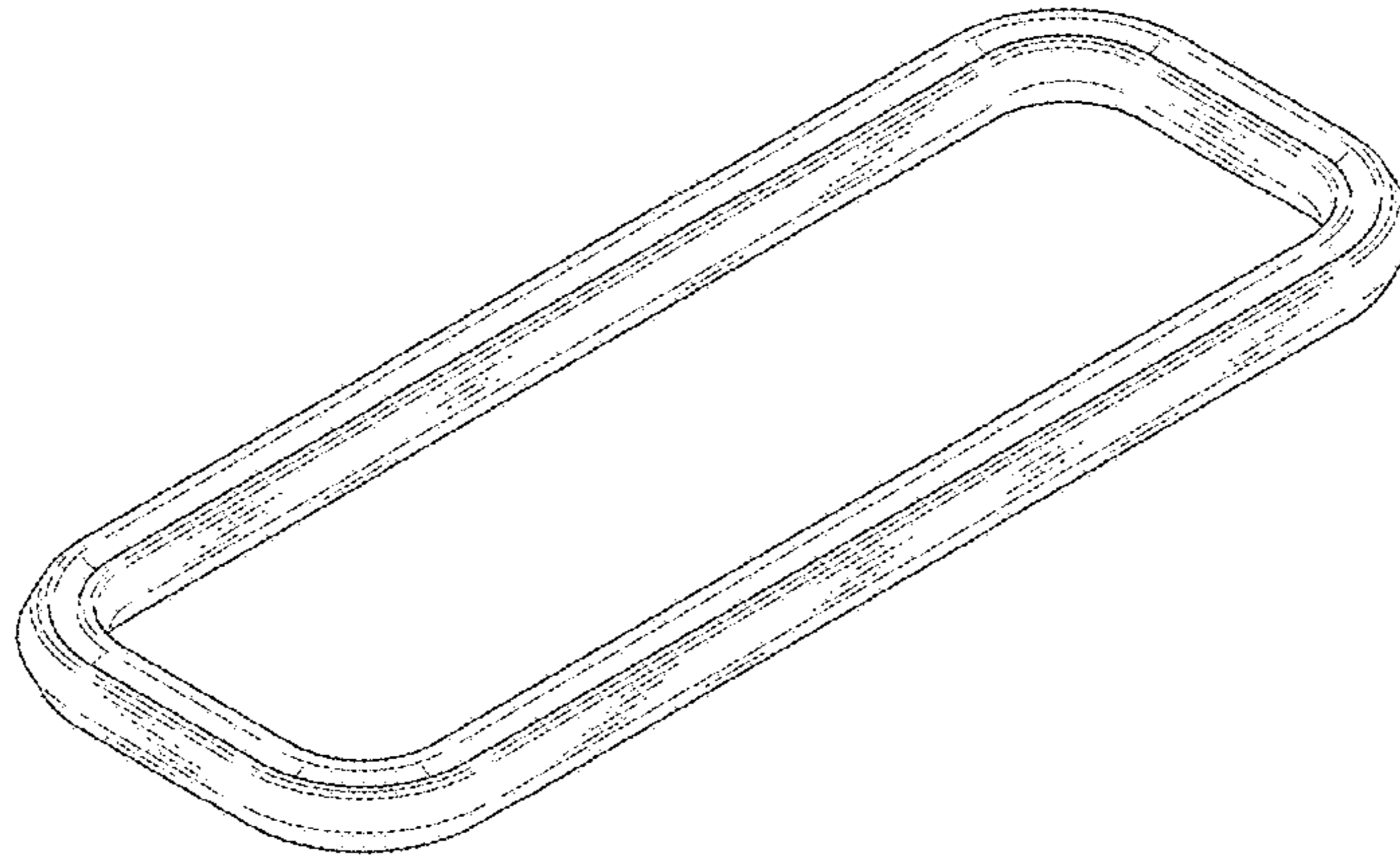


FIG.2

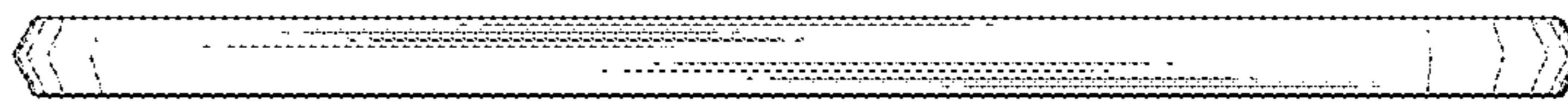


FIG.3

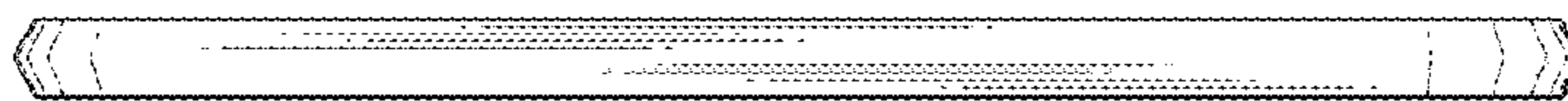


FIG.4

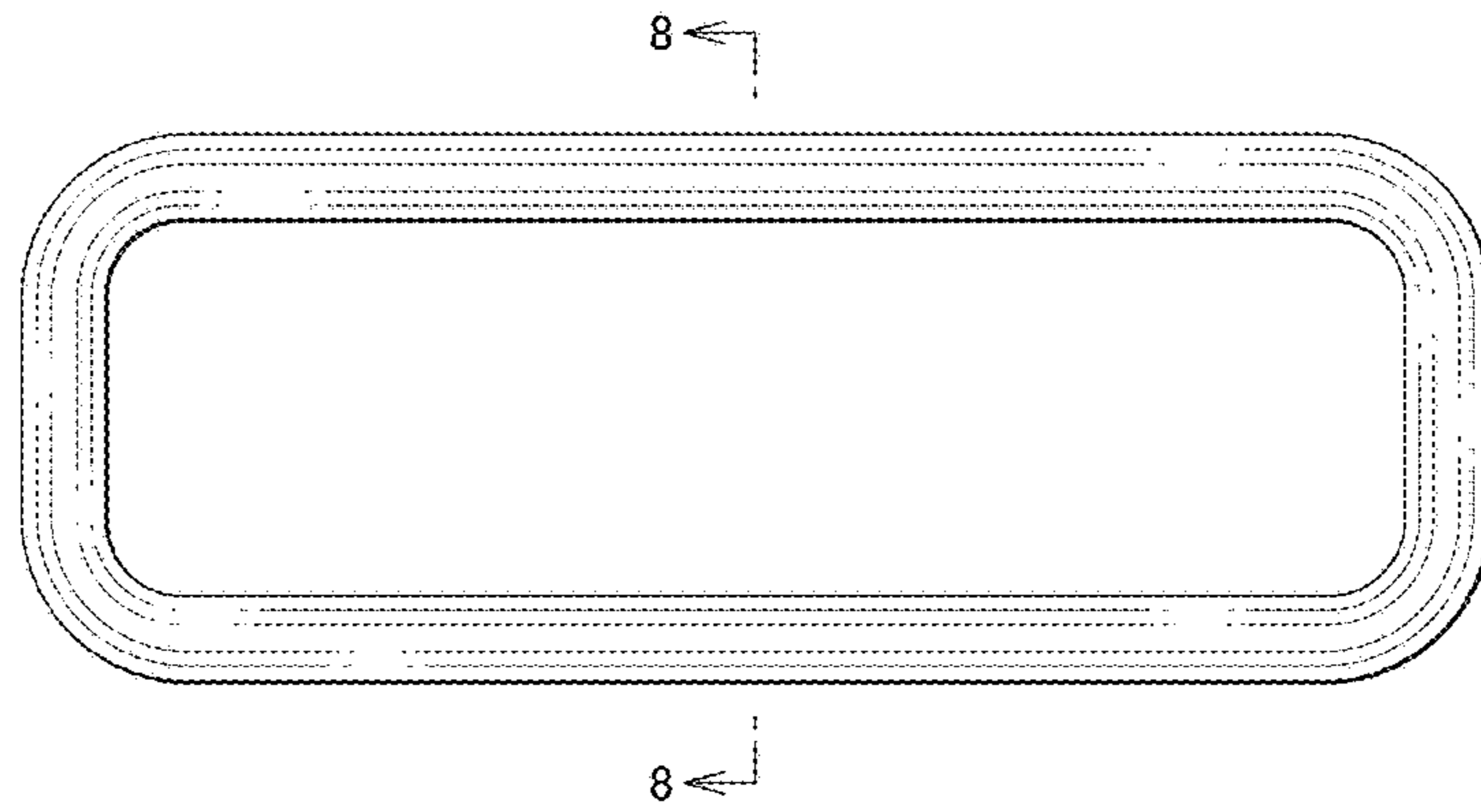


FIG.5



FIG.6

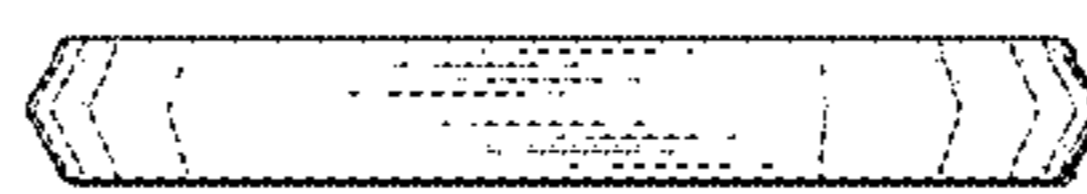


FIG.7



FIG.8

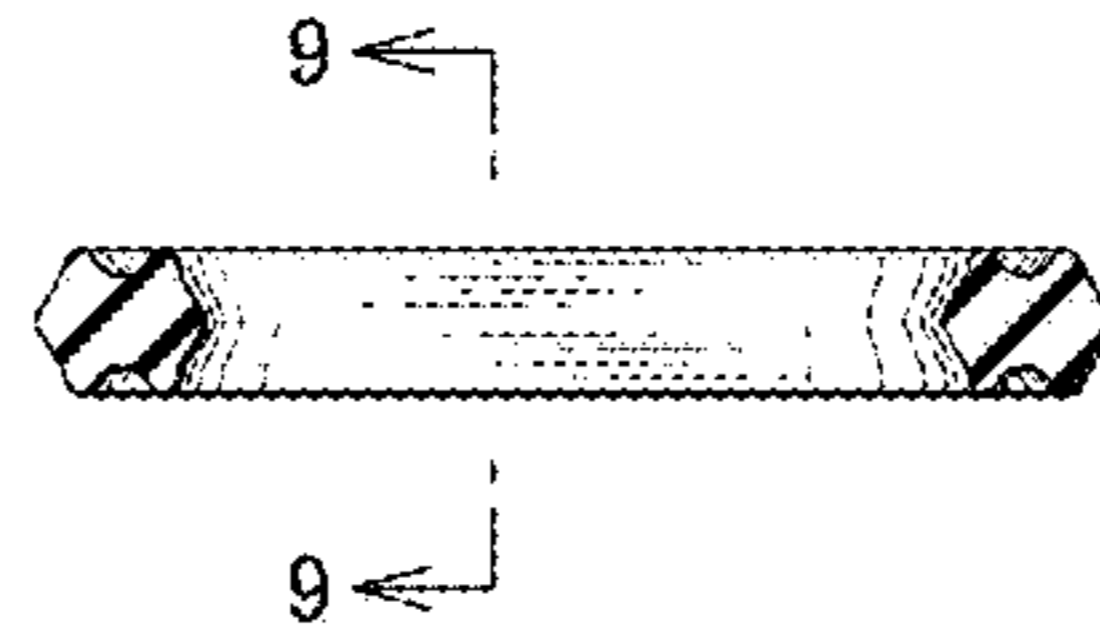


FIG.9

