



US00D837754S

(12) **United States Design Patent** (10) **Patent No.:** **US D837,754 S**
Shono (45) **Date of Patent:** **** Jan. 8, 2019**

(54) **PLASMA CHAMBER LINER**
(71) Applicant: **Applied Materials, Inc.**, Santa Clara, CA (US)
(72) Inventor: **Eric Kihara Shono**, San Mateo, CA (US)
(73) Assignee: **APPLIED MATERIALS, INC.**, Santa Clara, CA (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/602,217**
(22) Filed: **Apr. 28, 2017**
(51) **LOC (11) Cl.** **13-03**
(52) **U.S. Cl.**
USPC **D13/182**
(58) **Field of Classification Search**
USPC D13/182; D7/550.1, 587; D15/138;
118/715, 728, 50, 500, 501, 428, 722,
118/504, 505, 506, 719, 733, 309, 723 R;
156/345.51, 916
CPC . C23C 16/00; C23C 16/4401; C23C 16/0245;
C23C 14/564; C23F 1/02; C23F 1/04;
C23F 1/38; B65B 1/04; B65B 3/04
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
5,964,947 A * 10/1999 Zhao C23C 16/4411
118/715
6,277,237 B1 * 8/2001 Schoepp H01J 37/32495
118/723 R
6,374,871 B2 * 4/2002 Donohoe H01J 37/321
118/715

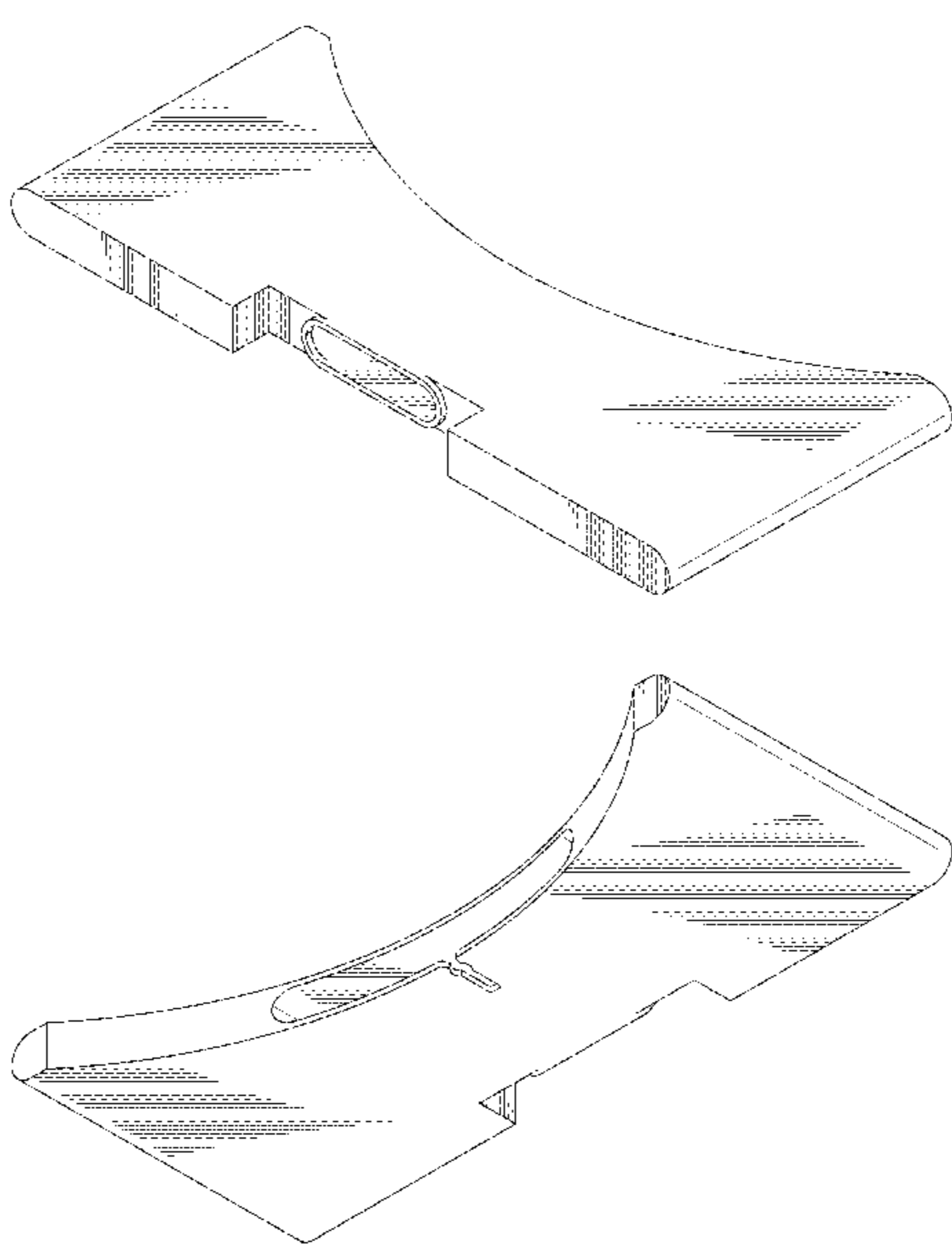
7,011,039 B1 * 3/2006 Mohn H01J 37/321
118/723 R
D658,691 S * 5/2012 Suzuki D15/138
D658,692 S * 5/2012 Suzuki D15/138
D658,693 S * 5/2012 Suzuki D15/138
D678,228 S * 3/2013 Suzuki D13/199
D699,692 S * 2/2014 Yousif D13/182
D716,239 S * 10/2014 Lau D13/182
D716,240 S * 10/2014 Lau D13/182
8,858,754 B2 * 10/2014 Horiguchi H01J 37/3244
118/723 E
D717,746 S * 11/2014 Lau D13/182
8,980,005 B2 3/2015 Carlson et al.
D802,545 S * 11/2017 Tauchi D13/182
D804,436 S * 12/2017 Tauchi D13/182
D812,578 S * 3/2018 Uemura D13/182
2014/0116366 A1 5/2014 Harman
2014/0322897 A1 10/2014 Samir et al.

* cited by examiner
Primary Examiner — Elizabeth J Oswecki
(74) *Attorney, Agent, or Firm* — Patterson + Sheridan LLP

(57) **CLAIM**
The ornamental design for a plasma chamber liner, as shown and described.

DESCRIPTION
FIG. 1 is a top isometric view of a plasma chamber liner showing my new design;
FIG. 2 is a bottom isometric view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a side elevational view thereof;
FIG. 6 is an opposite side elevational view thereof; and,
FIG. 7 is a front elevational view thereof, a rear elevational view being identical.

1 Claim, 5 Drawing Sheets



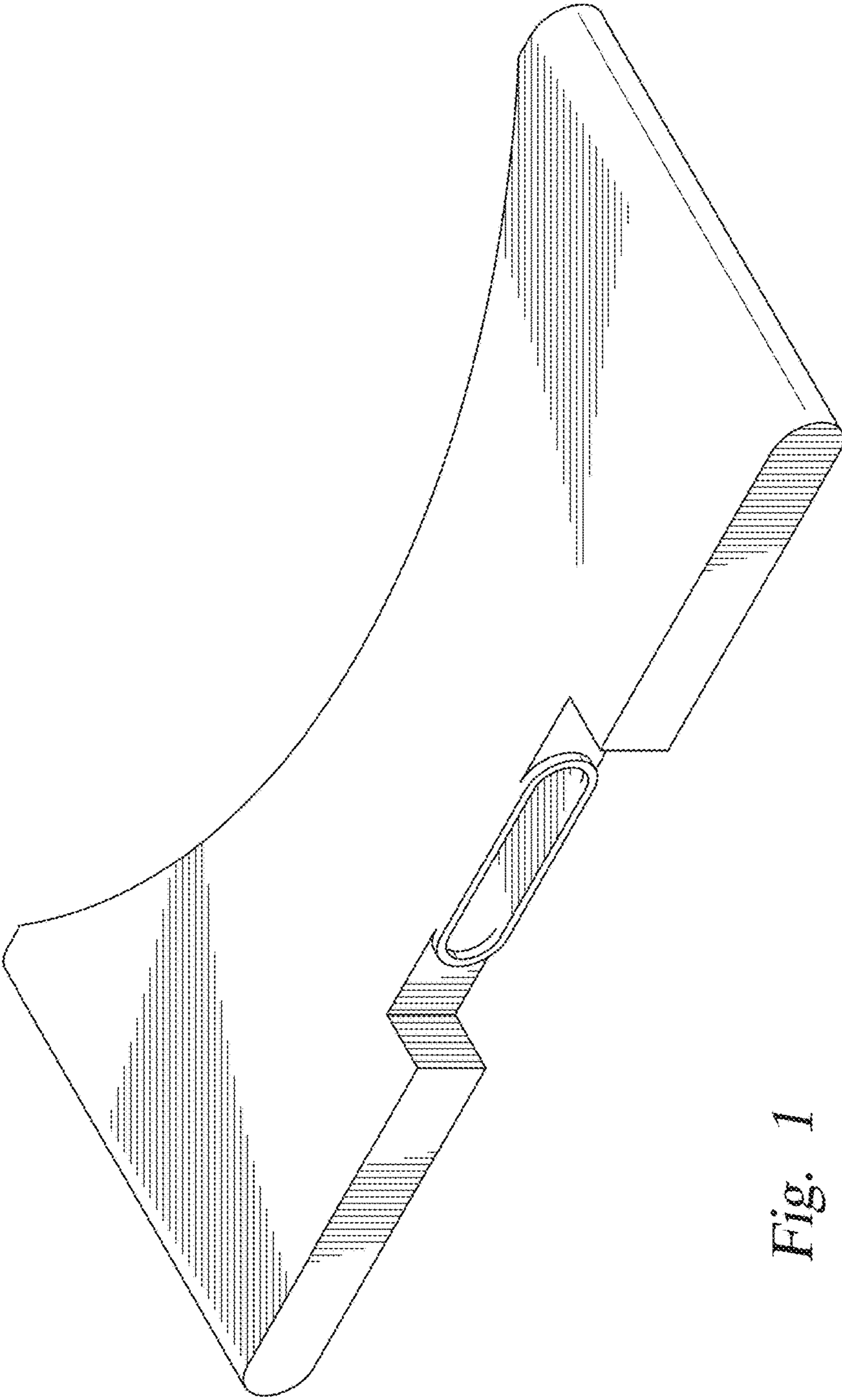


Fig. 1

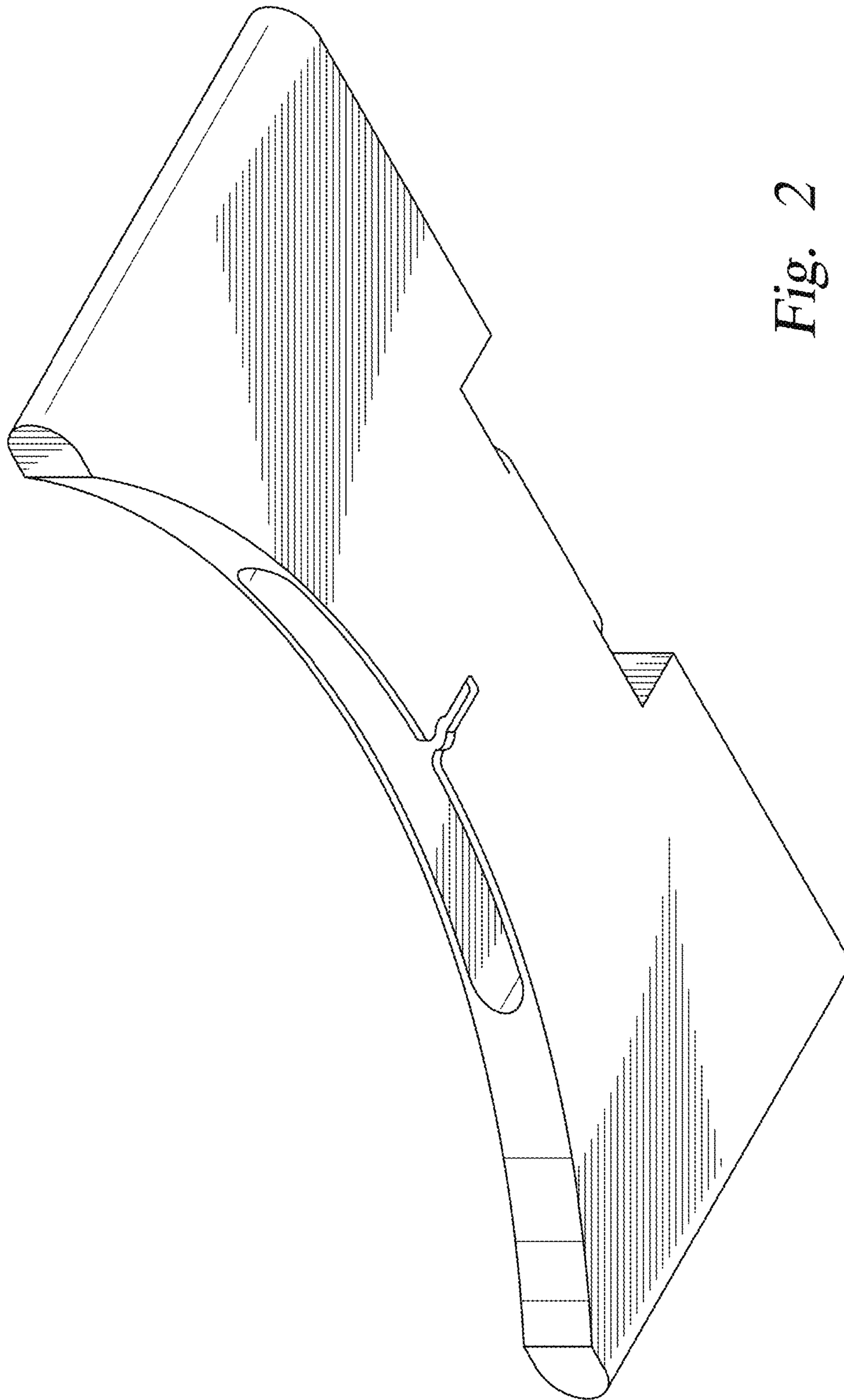


Fig. 2

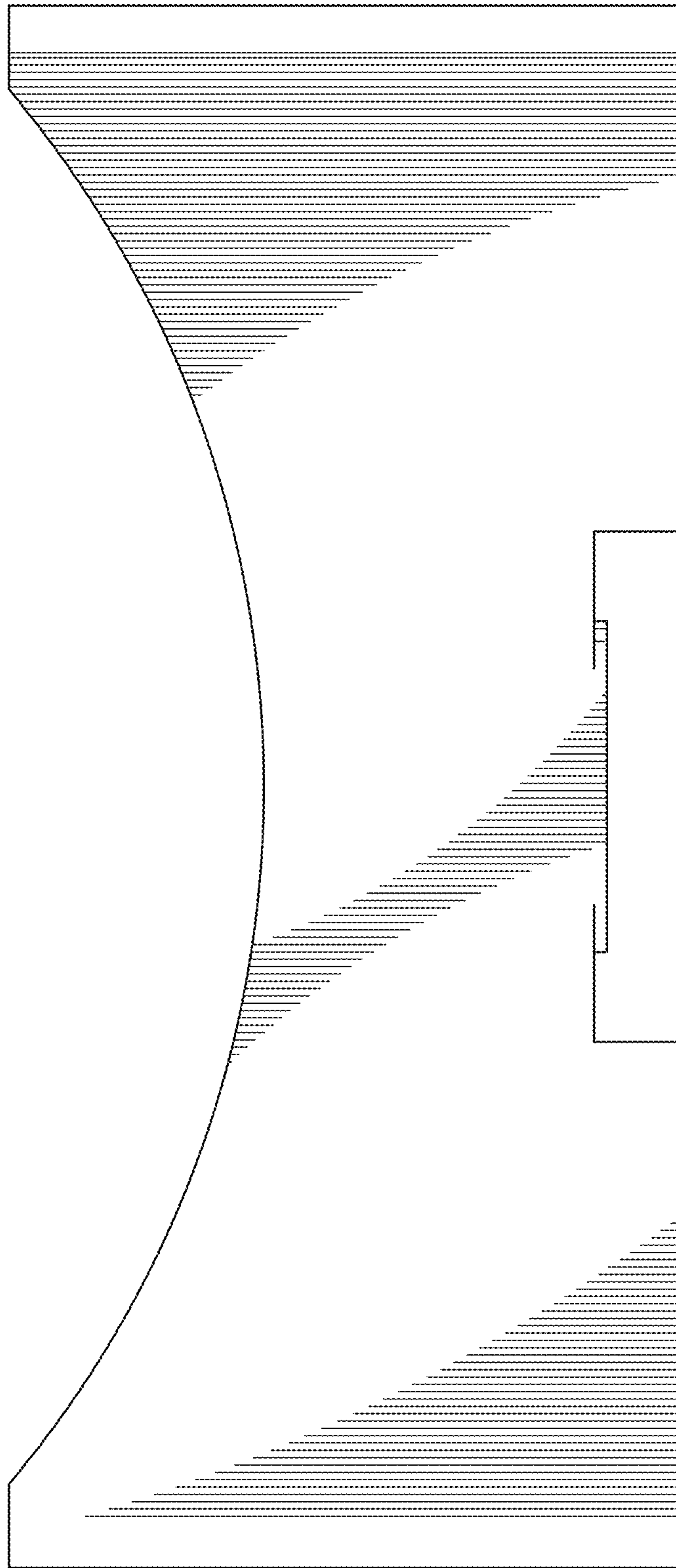


Fig. 3

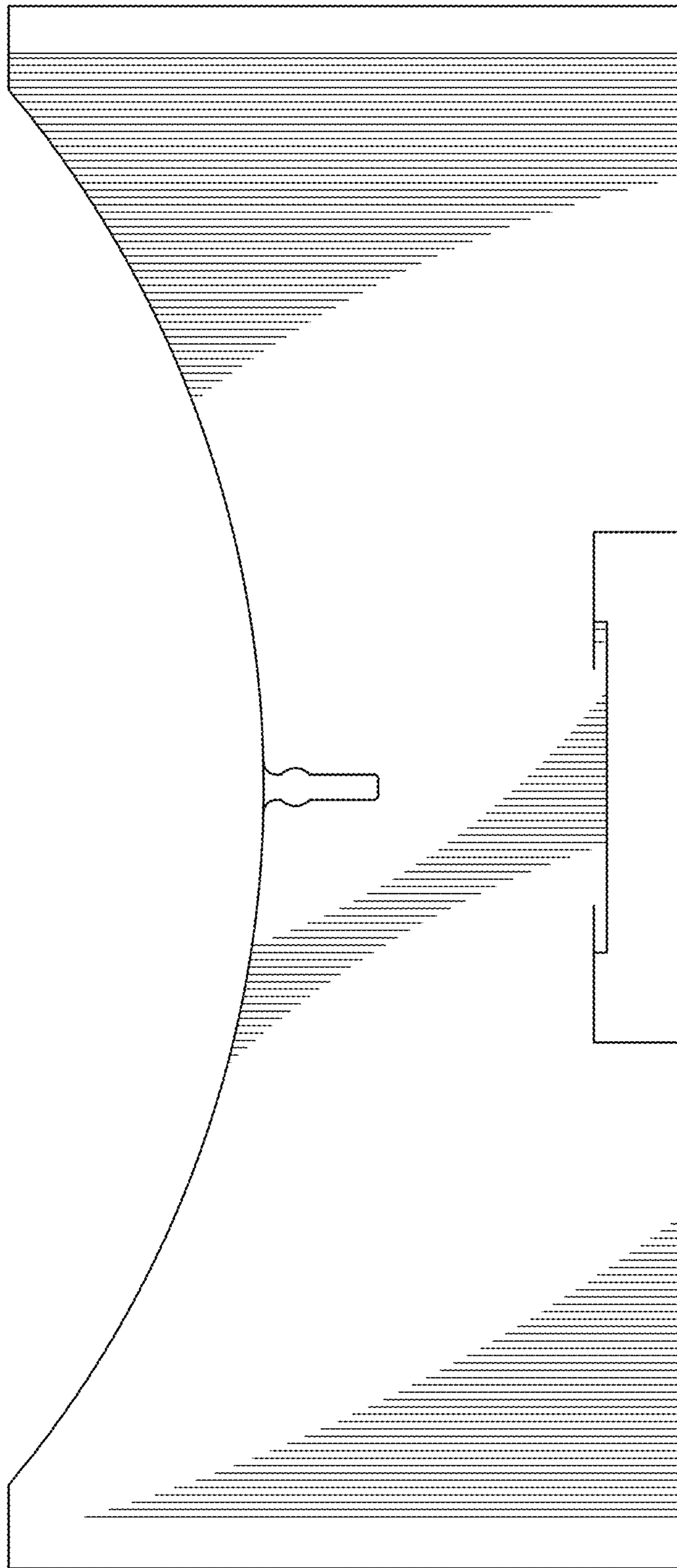


Fig. 4

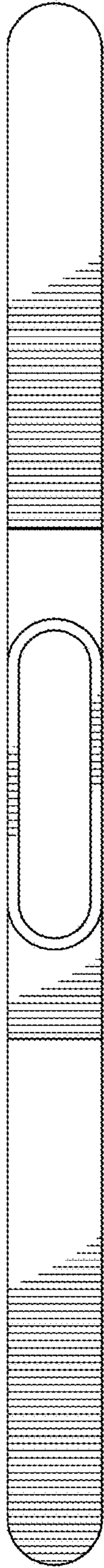


Fig. 5

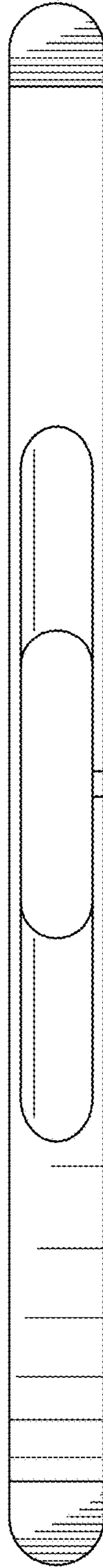


Fig. 6



Fig. 7