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(12) **United States Design Patent** (10) **Patent No.:** **US D921,868 S**
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(54) **AIR PURIFIER**

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

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(51) **LOC (13) Cl.** **23-04**

(52) **U.S. Cl.**
USPC **D23/364**

(58) **Field of Classification Search**

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D23/336, 342, 351; 422/120, 122;
55/356, 473, 504; 96/97; 261/DIG. 17,
261/DIG. 65, DIG. 88, DIG. 31

CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D
47/027; B01D 2221/02; B01D 2259/4508;
B03C 3/155; B03C 3/368; F24F 3/16;
F24F 13/20; F24F 13/28

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D513,070 S * 12/2005 Haranaka D23/355
D575,860 S * 8/2008 Wu D23/366

D603,032 S * 10/2009 Okamoto D23/364
D733,278 S * 6/2015 Newlin D23/366
D844,765 S * 4/2019 Zhang D23/364
D852,343 S * 6/2019 Kosuge D23/351
D852,937 S * 7/2019 Kim D23/351
D873,398 S * 1/2020 Seo D23/364
D873,402 S * 1/2020 Brandenburg D23/366
D883,455 S * 5/2020 Lu D23/335

(Continued)

FOREIGN PATENT DOCUMENTS

CN 303795595 S 8/2016
CN 303951922 S 11/2016

(Continued)

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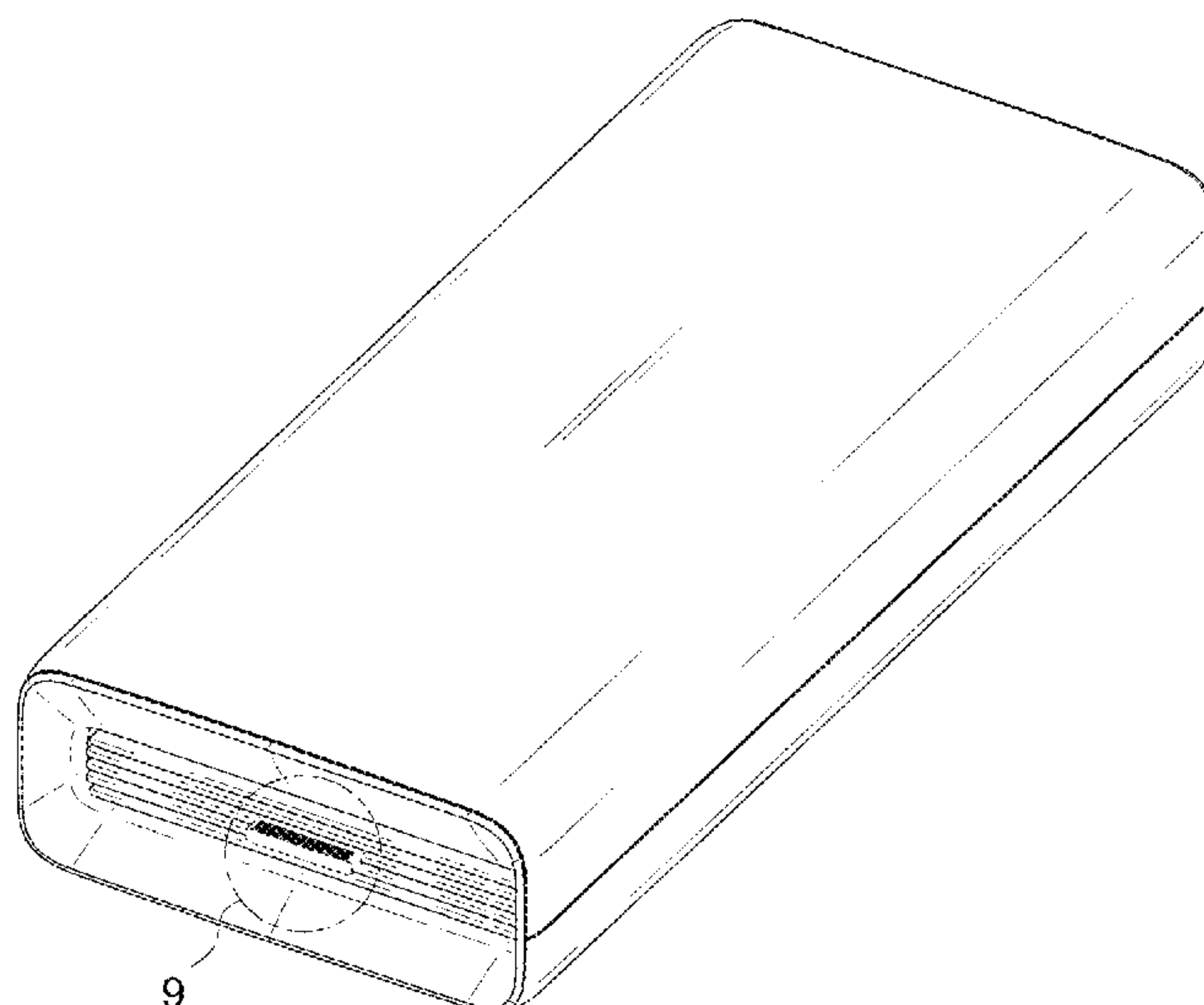
(57) **CLAIM**

The ornamental design for an air purifier, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a first embodiment of an air purifier, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left-side view thereof;
FIG. 5 is a right-side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof;
FIG. 8 is a bottom perspective view thereof;
FIG. 9 is an enlarged view of the portion 9 in FIG. 1; and,
FIG. 10 is an enlarged view of the portion 10 in FIG. 2.
The even-dash broken lines illustrating portions of the air purifier form no part of the claimed design. The dot-dash broken lines encircling enlargement portions of the air purifier form no part of the claimed design.

1 Claim, 10 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D885,543	S	*	5/2020	Wang	D23/364
D888,925	S	*	6/2020	Brandenburg	D23/366
D889,620	S	*	7/2020	Victorin	D23/364
D895,096	S	*	9/2020	Brandenburg	D23/366
D899,569	S	*	10/2020	Hsu	D23/335
D900,291	S	*	10/2020	Brown	D23/364
D901,661	S	*	11/2020	Riegelsberger	D23/364
D906,502	S	*	12/2020	Lu	D23/364

FOREIGN PATENT DOCUMENTS

CN	304123628	S	5/2017
CN	304421836	S	12/2017
CN	304614359	S	5/2018

* cited by examiner

FIG. 1

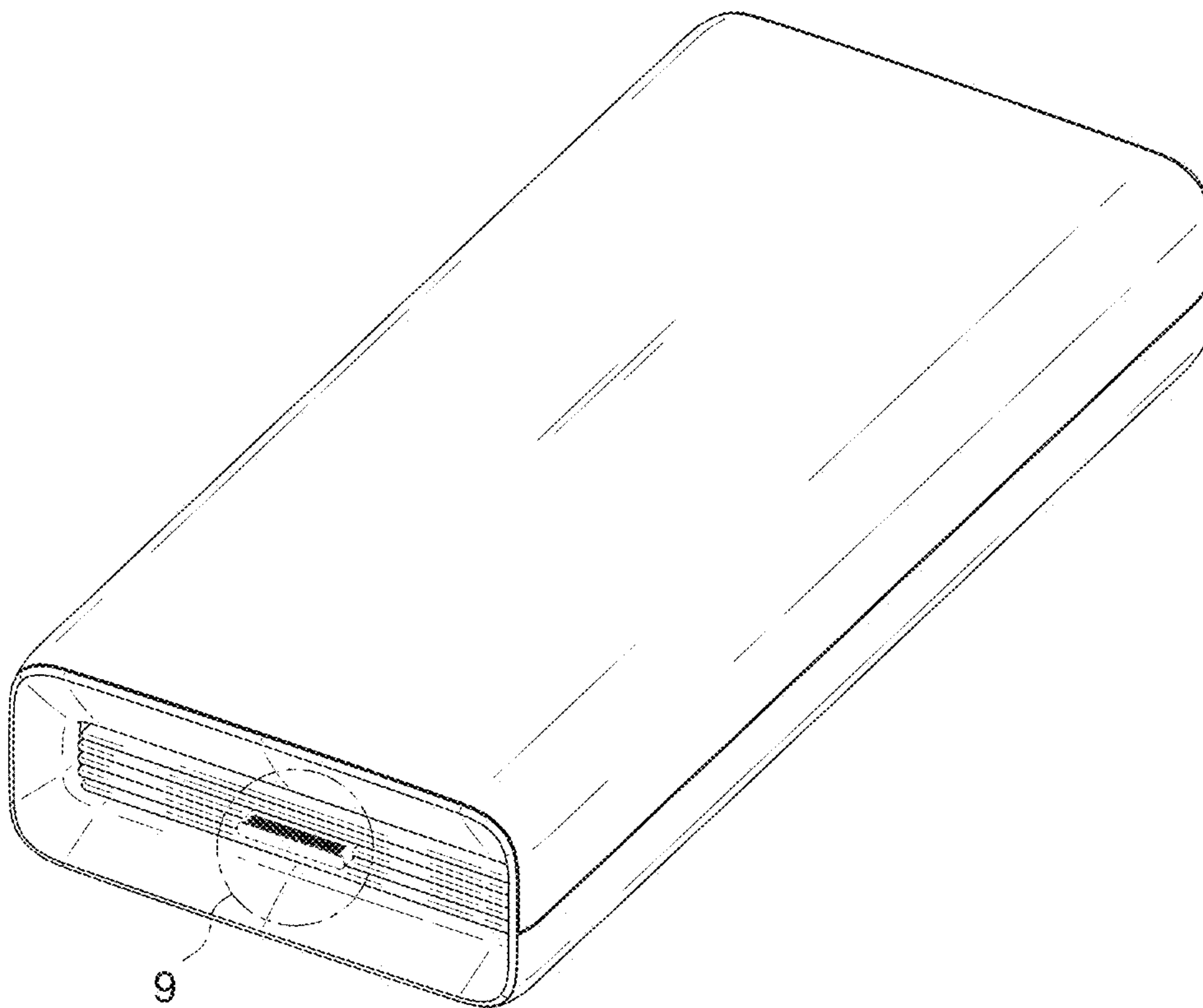


FIG. 2

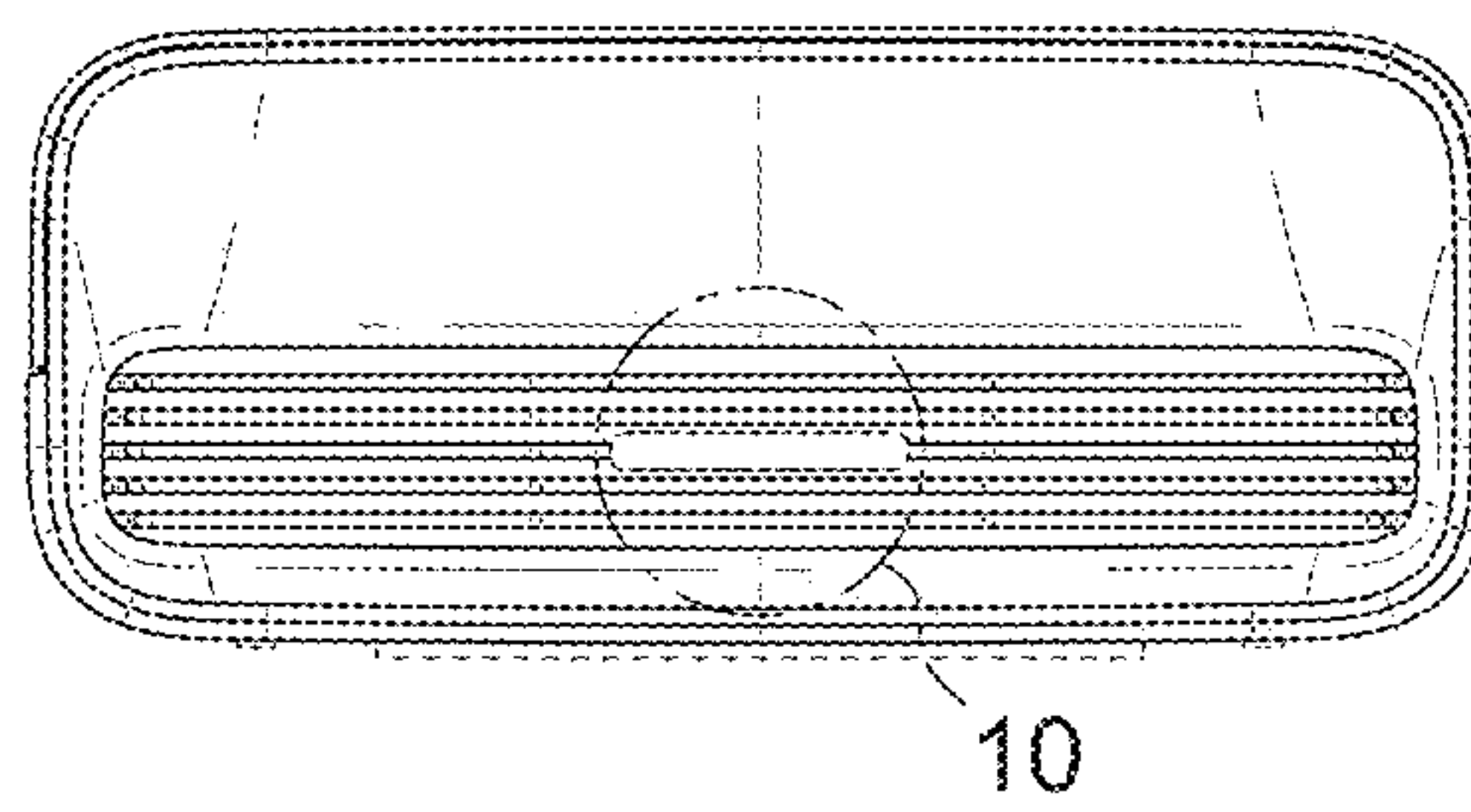


FIG. 3

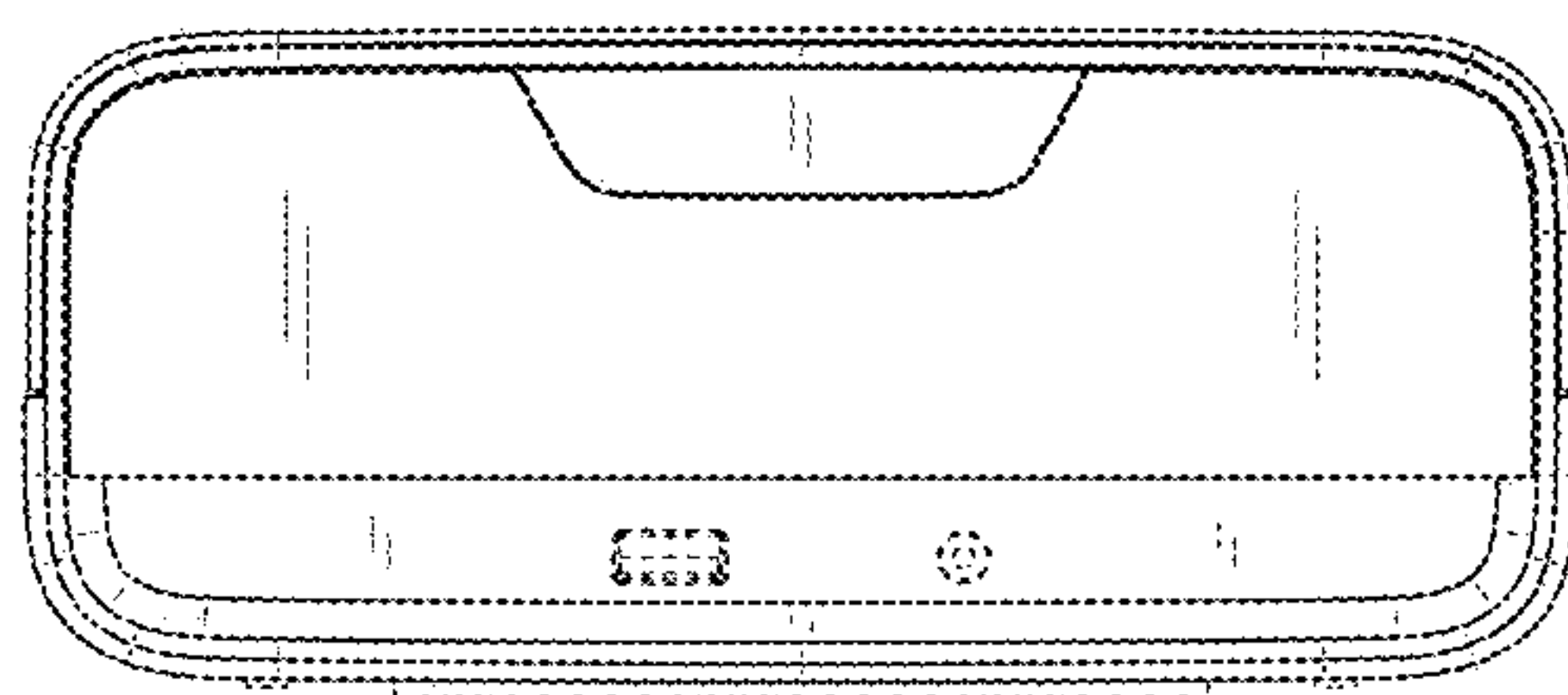


FIG. 4

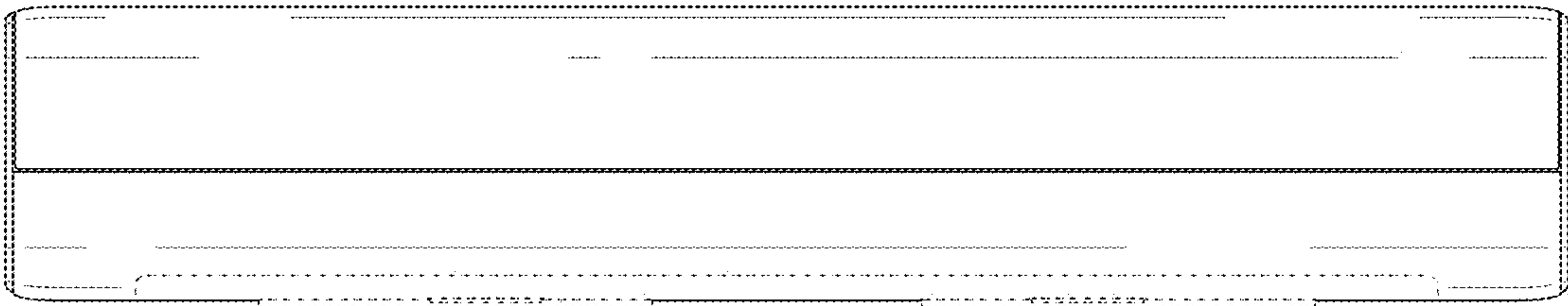


FIG. 5

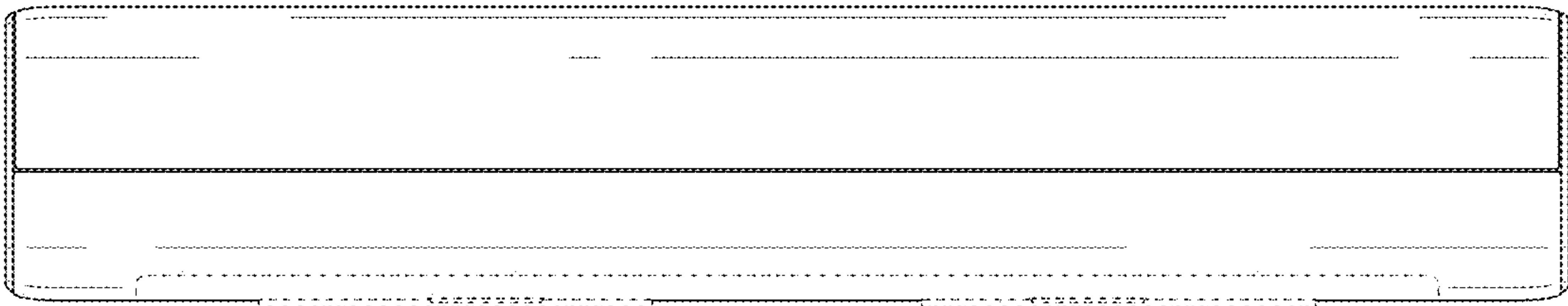


FIG. 6

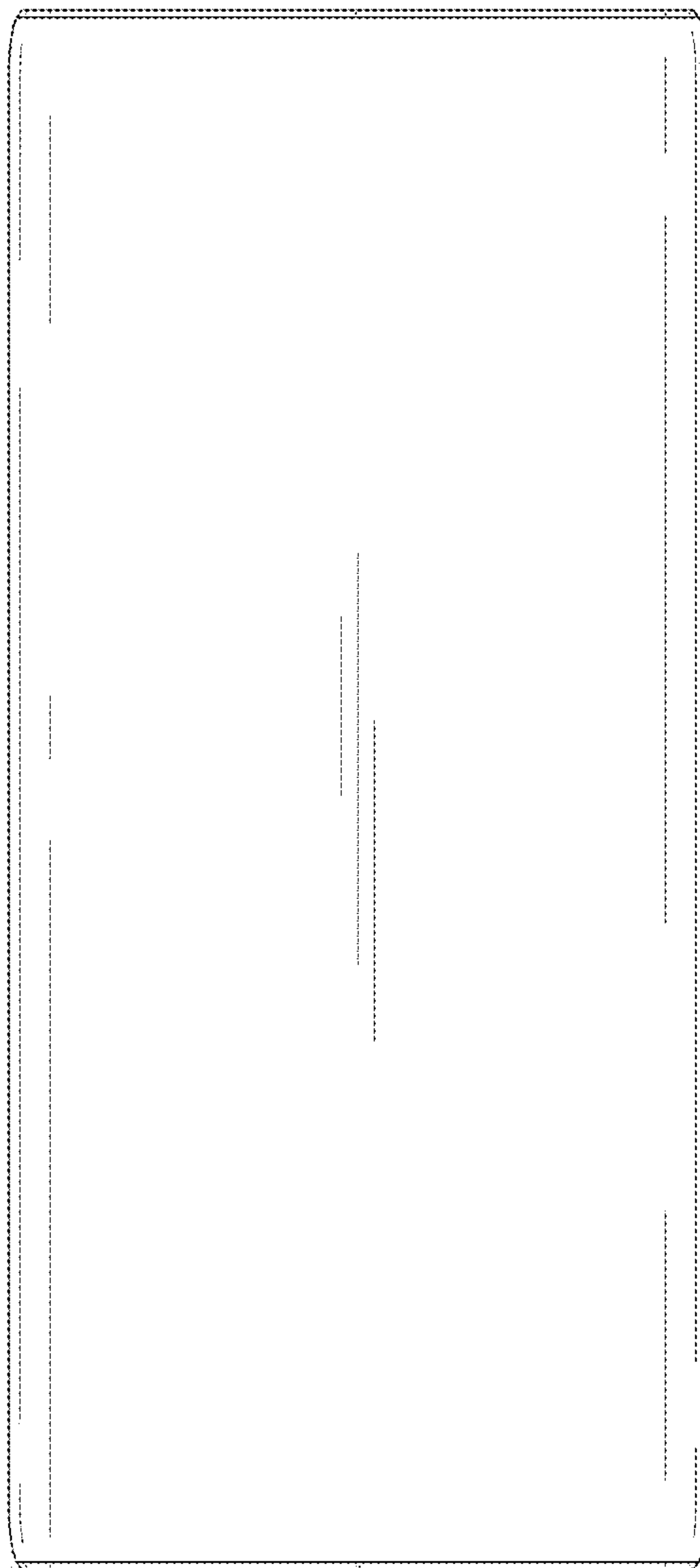


FIG. 7

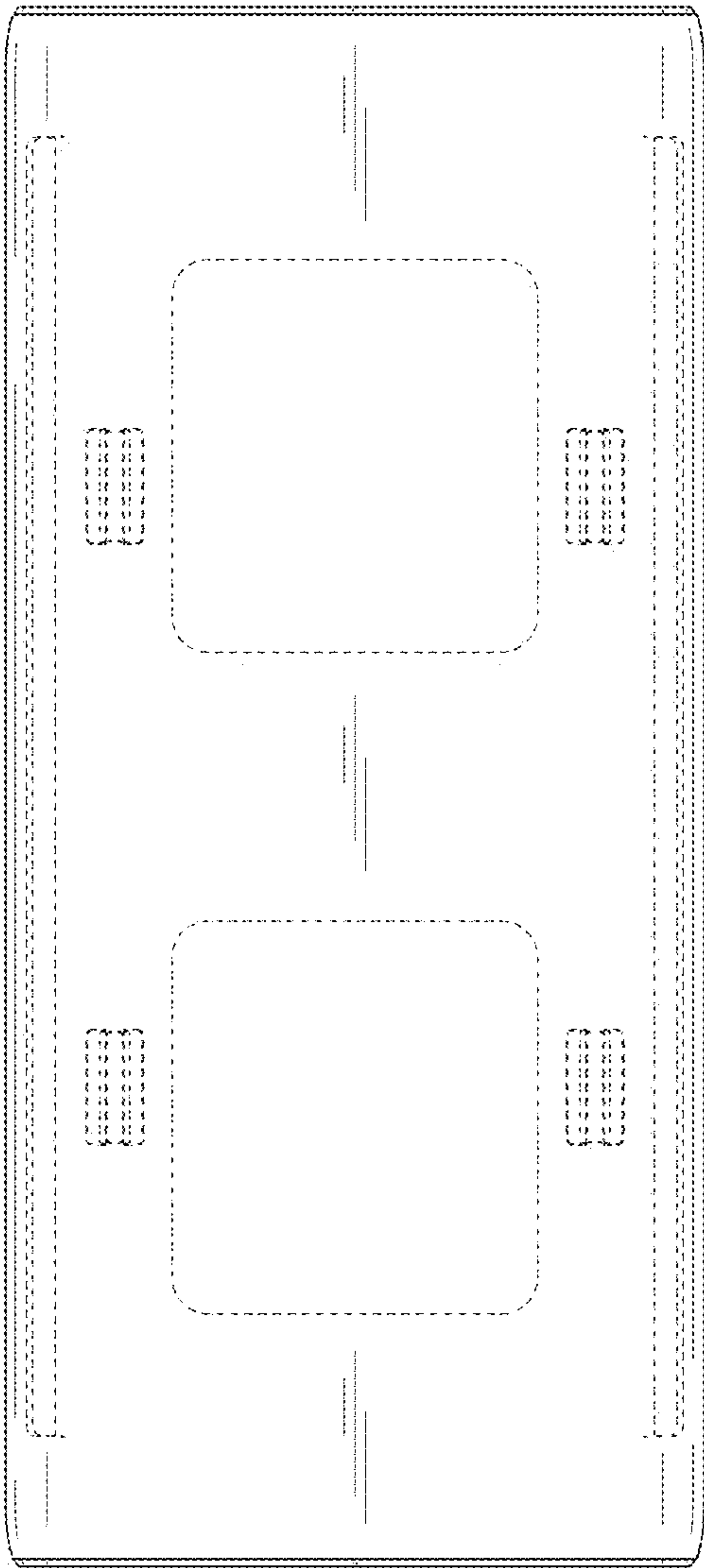


FIG. 8

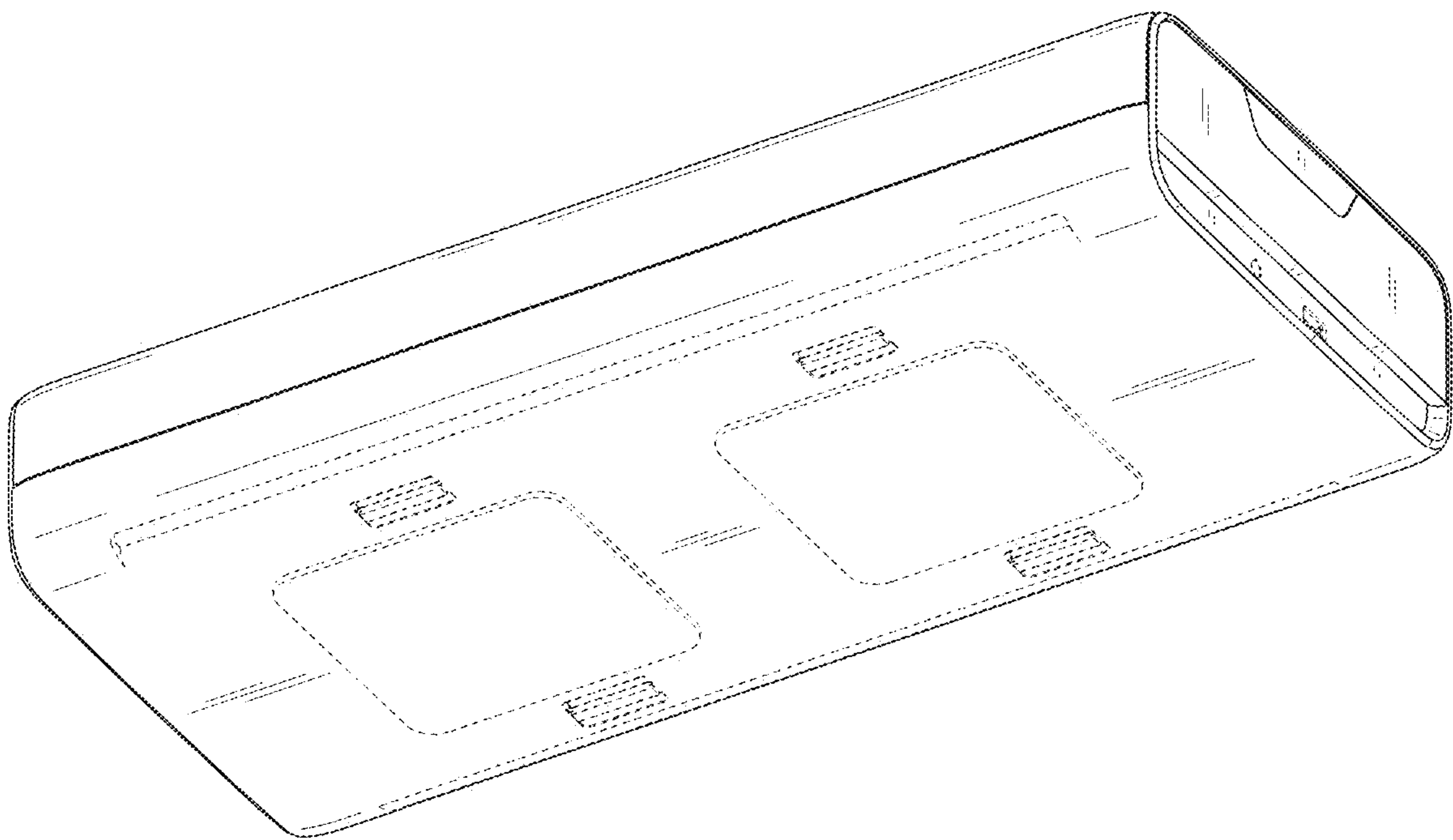


FIG. 9

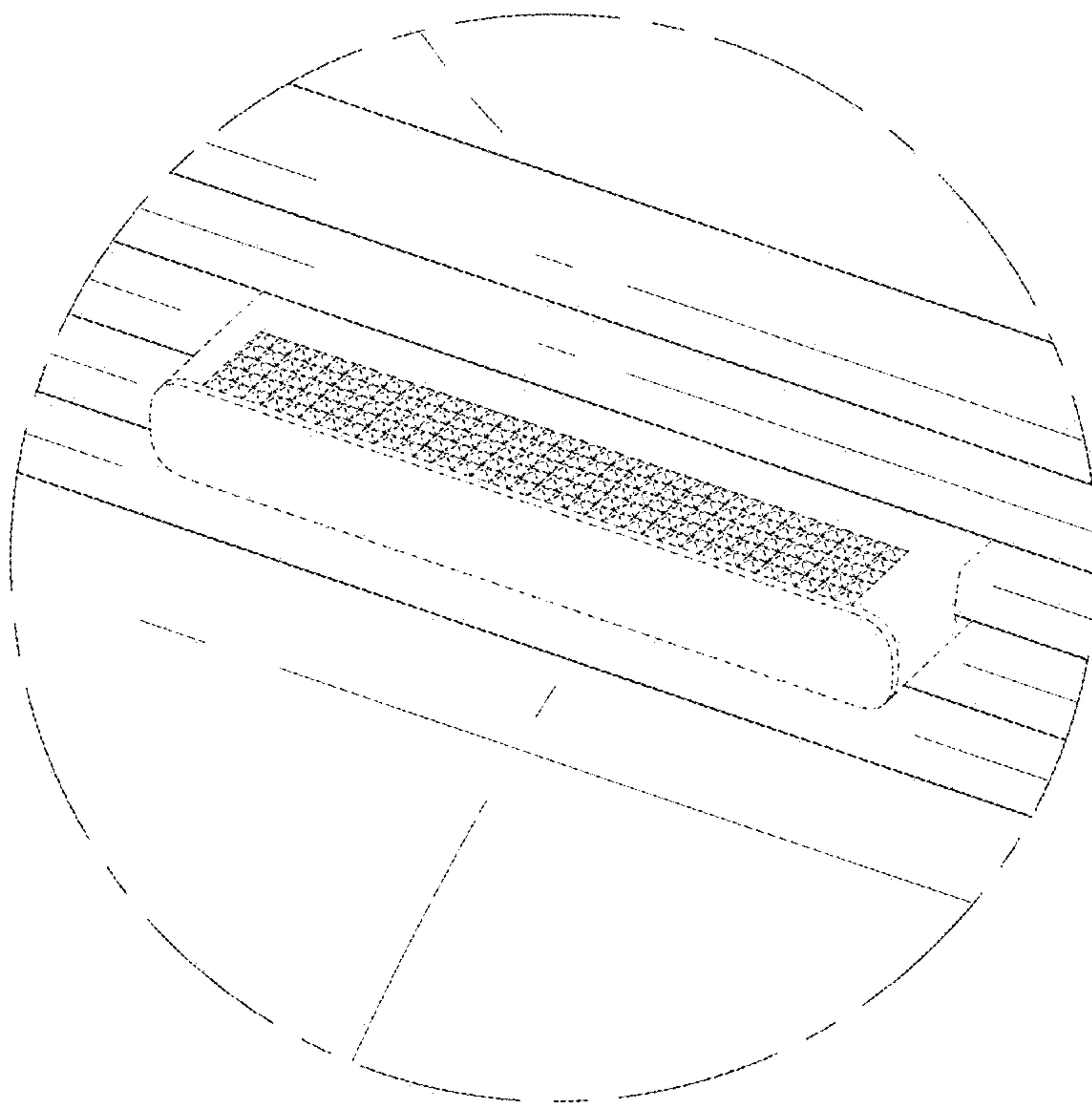


FIG. 10

