

US00D934802S

(12) **United States Design Patent** (10) **Patent No.:** **US D934,802 S**
Kanda et al. (45) **Date of Patent:** **** Nov. 2, 2021**

(54) **BATTERY CONTROLLER**

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(72) Inventors: **Yuko Kanda**, Kariya (JP); **Yuji Kawahara**, Kariya (JP)

(73) Assignee: **DENSO CORPORATION**, Kariya (JP)

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

(21) Appl. No.: **29/708,477**

(22) Filed: **Oct. 7, 2019**

(30) **Foreign Application Priority Data**

Apr. 9, 2019 (JP) 2019-007706

(51) **LOC (13) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/119**

(58) **Field of Classification Search**
USPC D13/103, 104, 107, 108, 110, 119, 120,
D13/149, 184, 199; D10/77
CPC H01M 220/20; H01M 50/20; H01M 10/48;
B60R 16/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,565,282 A * 10/1996 Feres H01M 50/383
429/84
D496,049 S * 9/2004 Heinz D14/444
D673,161 S * 12/2012 Kuehn D14/441
D847,745 S * 5/2019 Kasaba D13/119
10,593,912 B2 * 3/2020 Kano B60L 50/20
D892,049 S * 8/2020 Hoshida D13/118
D892,050 S * 8/2020 Hoshida D13/122

D903,592 S * 12/2020 Hoshida D13/118
D903,593 S * 12/2020 Hoshida D13/118
D904,304 S * 12/2020 Hoshida D13/118
D906,967 S * 1/2021 Xiao D13/119
D911,285 S * 2/2021 Manuel D13/119
D911,961 S * 3/2021 Hartmann D13/119
D917,387 S * 4/2021 Ludwig D13/108
2020/0006172 A1 * 1/2020 Otsubo H01L 24/32
2020/0350610 A1 * 11/2020 Yoo H01M 50/172

OTHER PUBLICATIONS

U.S. Appl. No. 29/708,479, filed Oct. 7, 2019 in the name of Kanda et al.

* cited by examiner

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(57) **CLAIM**

The ornamental design for a battery controller, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of the battery controller; FIG. 2 is a rear elevational view thereof; FIG. 3 is a top plan view thereof; FIG. 4 is a bottom plan view thereof; FIG. 5 is a left-side elevational view thereof; FIG. 6 is a right-side elevational view thereof; FIG. 7 is a front, right-side, top perspective view thereof; FIG. 8 is a front, left-side, top perspective view thereof; FIG. 9 is a cross-sectional view thereof taken along line 9-9 in FIG. 1 showing only an outer shape thereof; and, FIG. 10 is a cross-sectional view thereof taken along line 10-10 in FIG. 1 showing only the outer shape thereof.

1 Claim, 6 Drawing Sheets

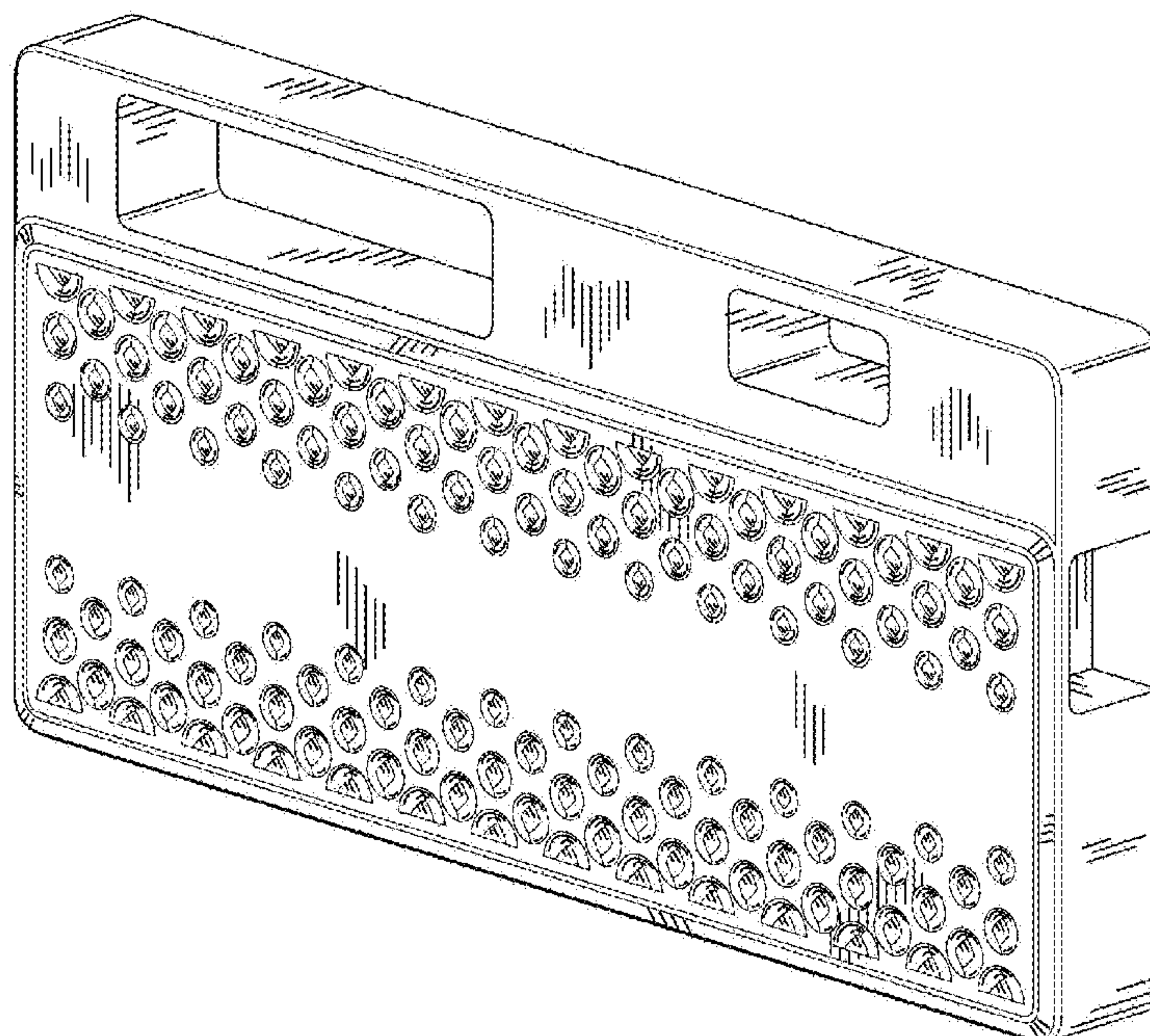


FIG. 1

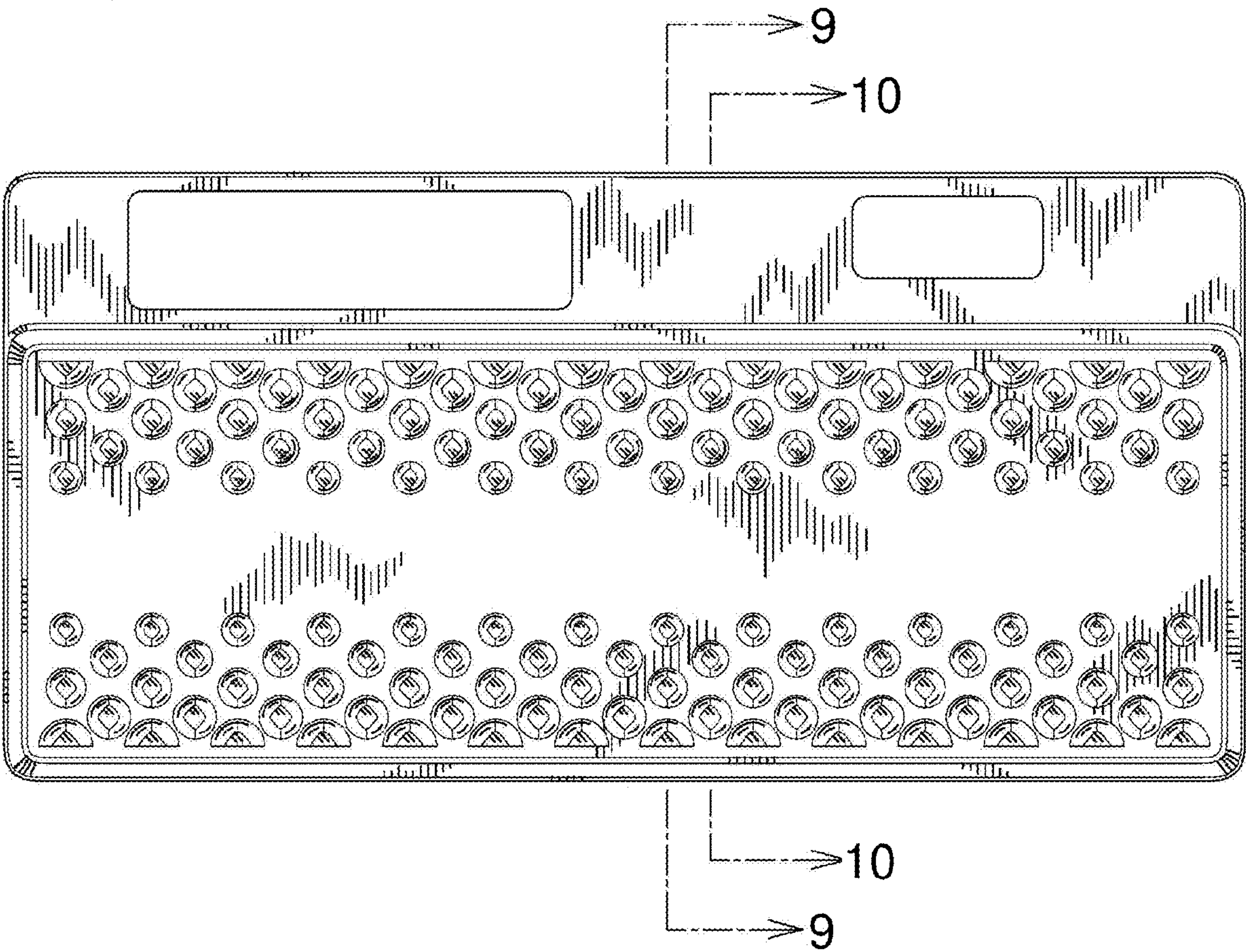


FIG. 2

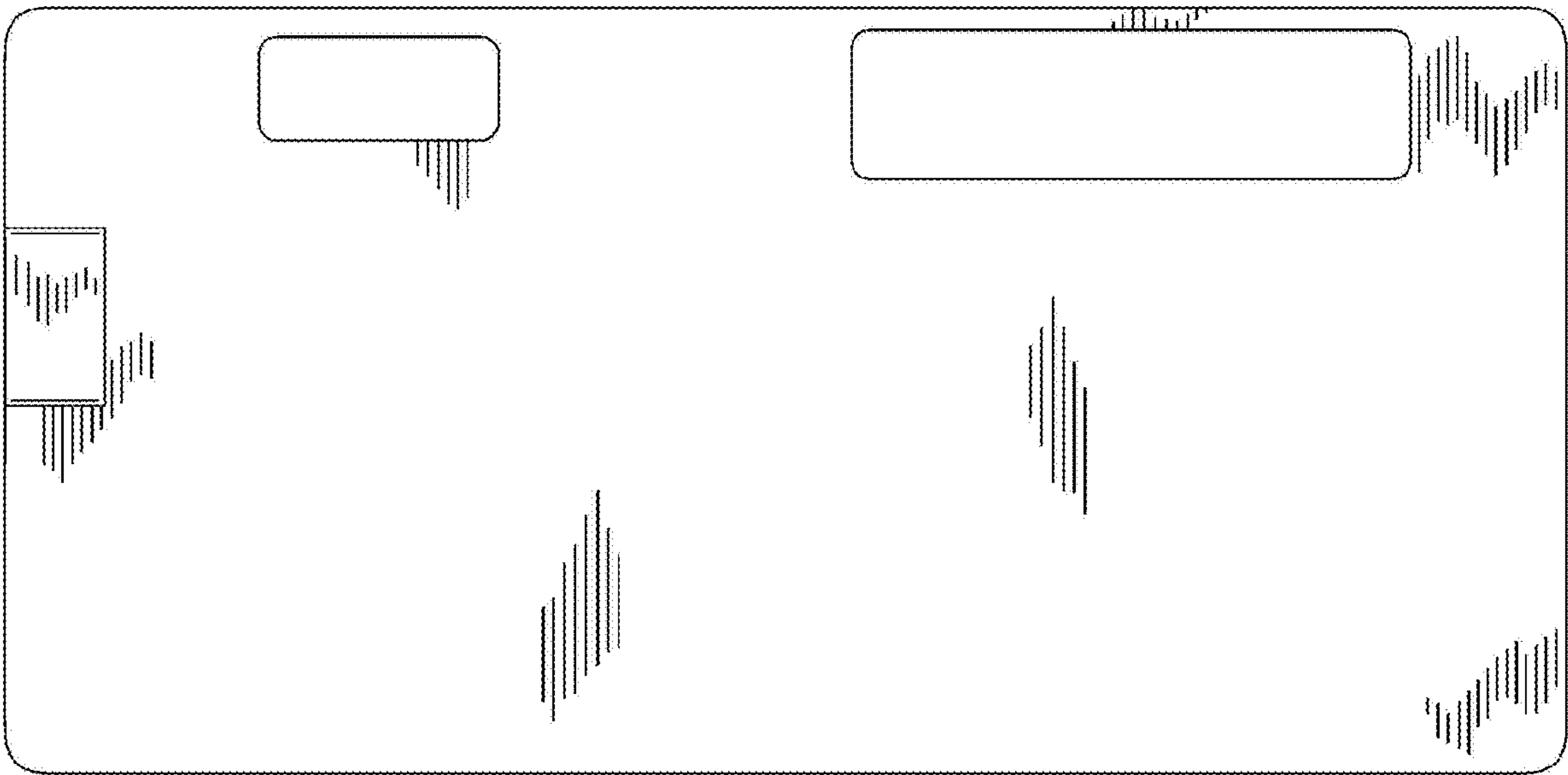


FIG. 3



FIG. 4



FIG. 5

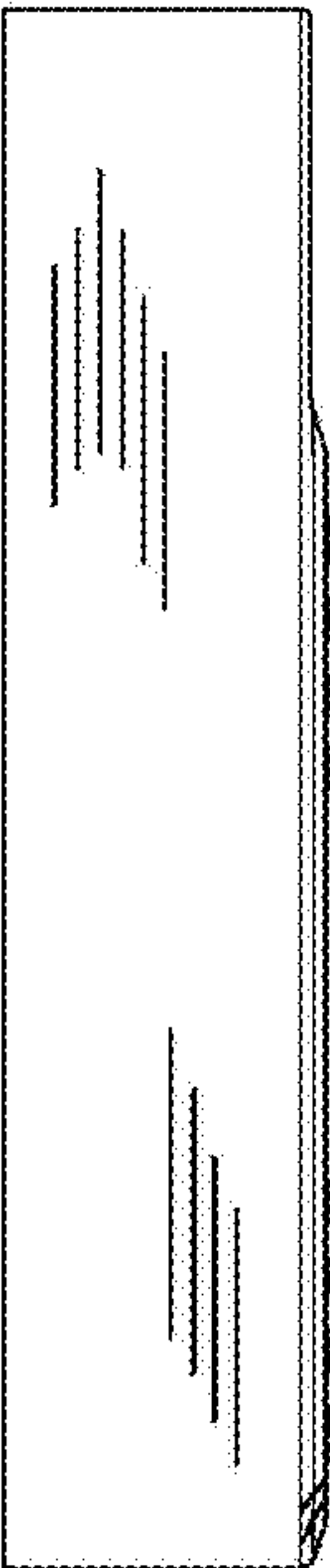


FIG. 6

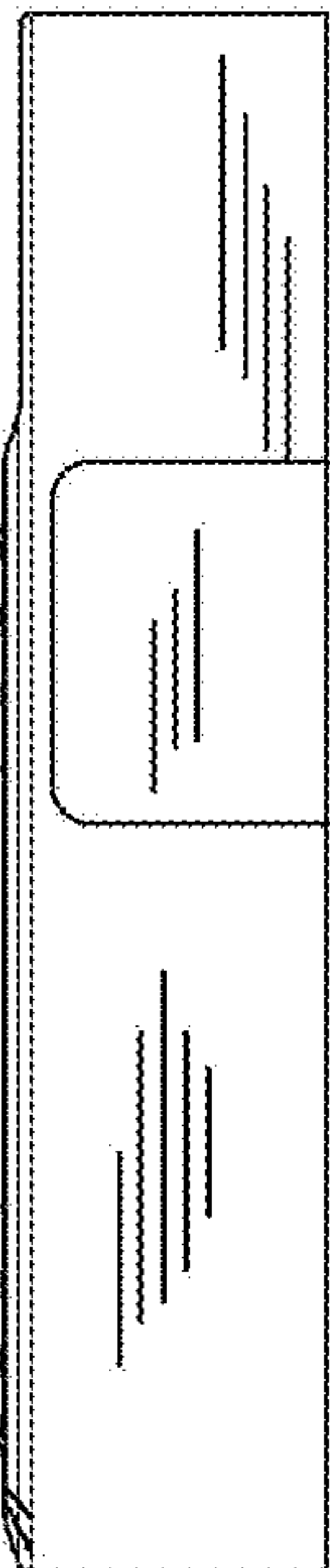


FIG. 7

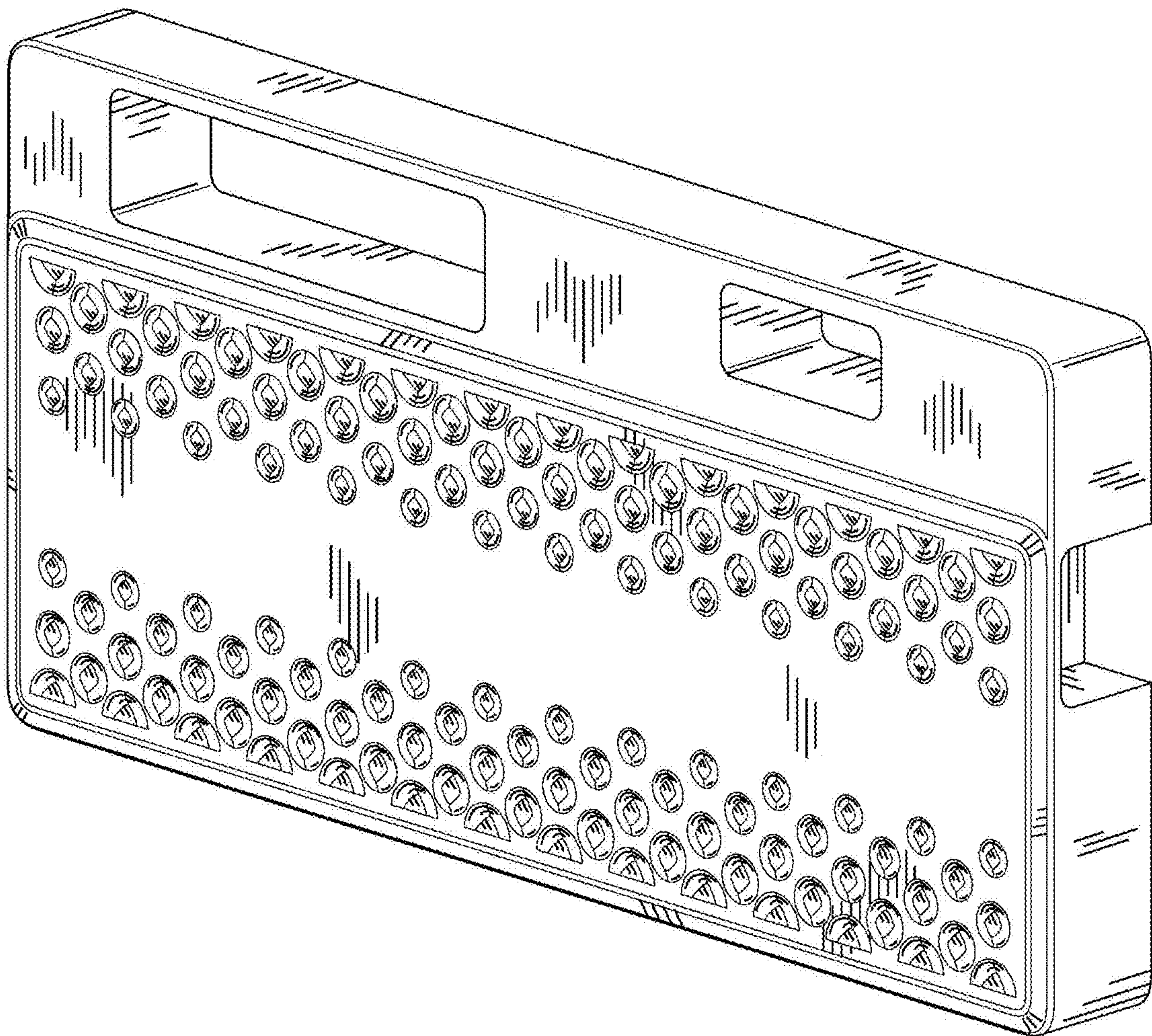


FIG. 8

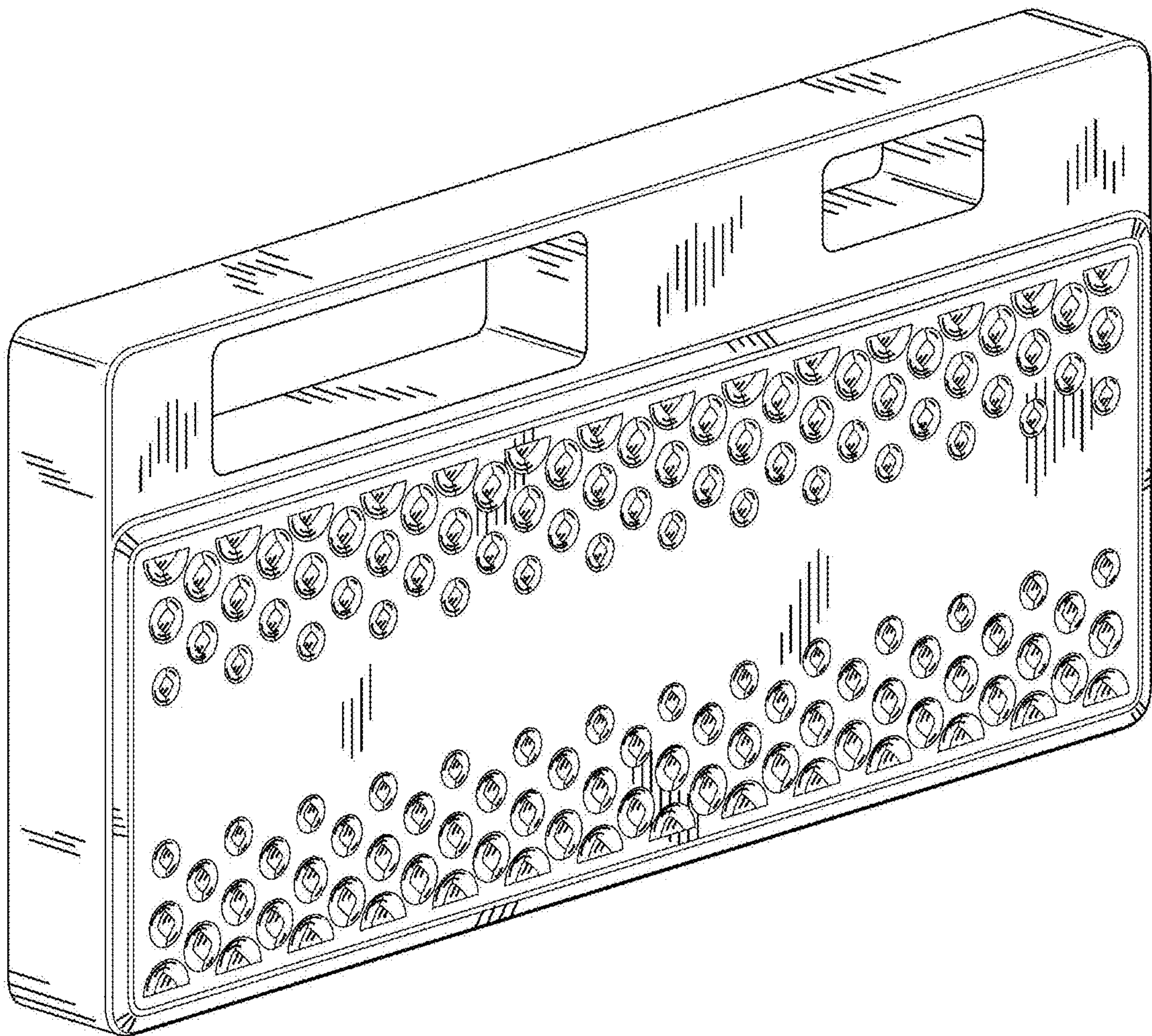


FIG. 9

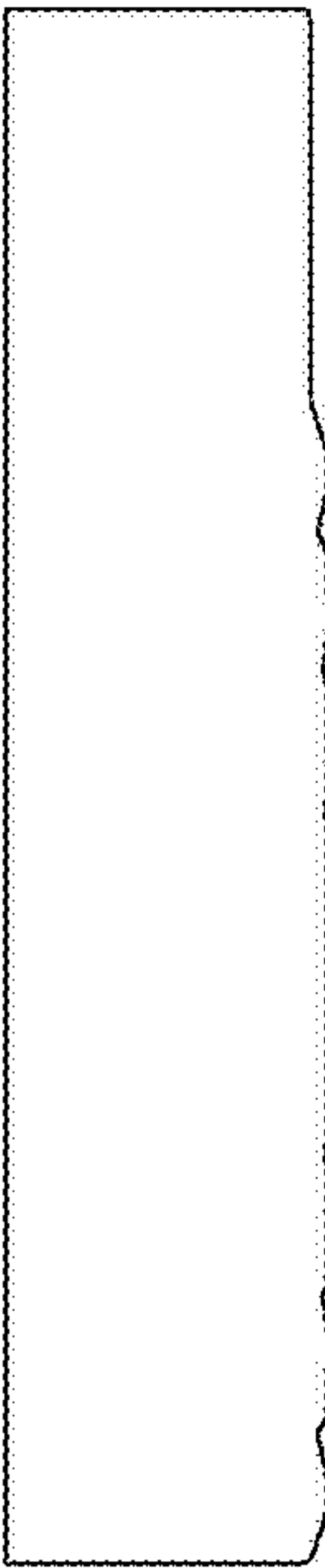


FIG. 10

