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(12) **United States Design Patent**  
**Zheng et al.**

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(54) **PORTABLE ENERGY STORAGE AND DISTRIBUTION DEVICE**

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(\*\*) Term: **14 Years**

(21) Appl. No.: **29/514,490**

(22) Filed: **Jan. 13, 2015**

(51) **LOC (10) Cl.** ..... **13-02**

(52) **U.S. Cl.**  
USPC ..... **D13/110**

(58) **Field of Classification Search**

USPC ..... D13/110, 108, 118, 123, 162, 168, 169,  
D13/174, 177, 184, 199; D14/257, 432,  
D14/438; 174/16.3, 17 R, 17.08;  
361/600, 601, 690, 694, 695, 679.01,  
361/679.61, 704, 730; 363/141, 142  
CPC ..... H05K 5/00; H05K 5/02; H05K 5/0247;  
H05K 7/00; H05K 7/20; H05K 7/20136;  
H05K 7/20154; H05K 7/209; H02M 7/00;  
H02M 7/003; H02M 2001/009; H02J  
7/0042; Y10T 307/367

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,742,478 A \* 4/1998 Wu ..... H05K 7/20154  
361/704  
5,949,640 A \* 9/1999 Cameron ..... H02M 7/003  
361/600  
D427,148 S \* 6/2000 Wei ..... D13/110  
D433,994 S \* 11/2000 Jobs ..... D13/110  
D495,296 S \* 8/2004 Hussaini ..... D13/110  
D551,621 S \* 9/2007 Iacovelli ..... D13/110  
7,298,627 B2 \* 11/2007 Hussaini ..... H02J 7/0042  
361/753  
D627,719 S \* 11/2010 DuMelle ..... D13/110

\* cited by examiner

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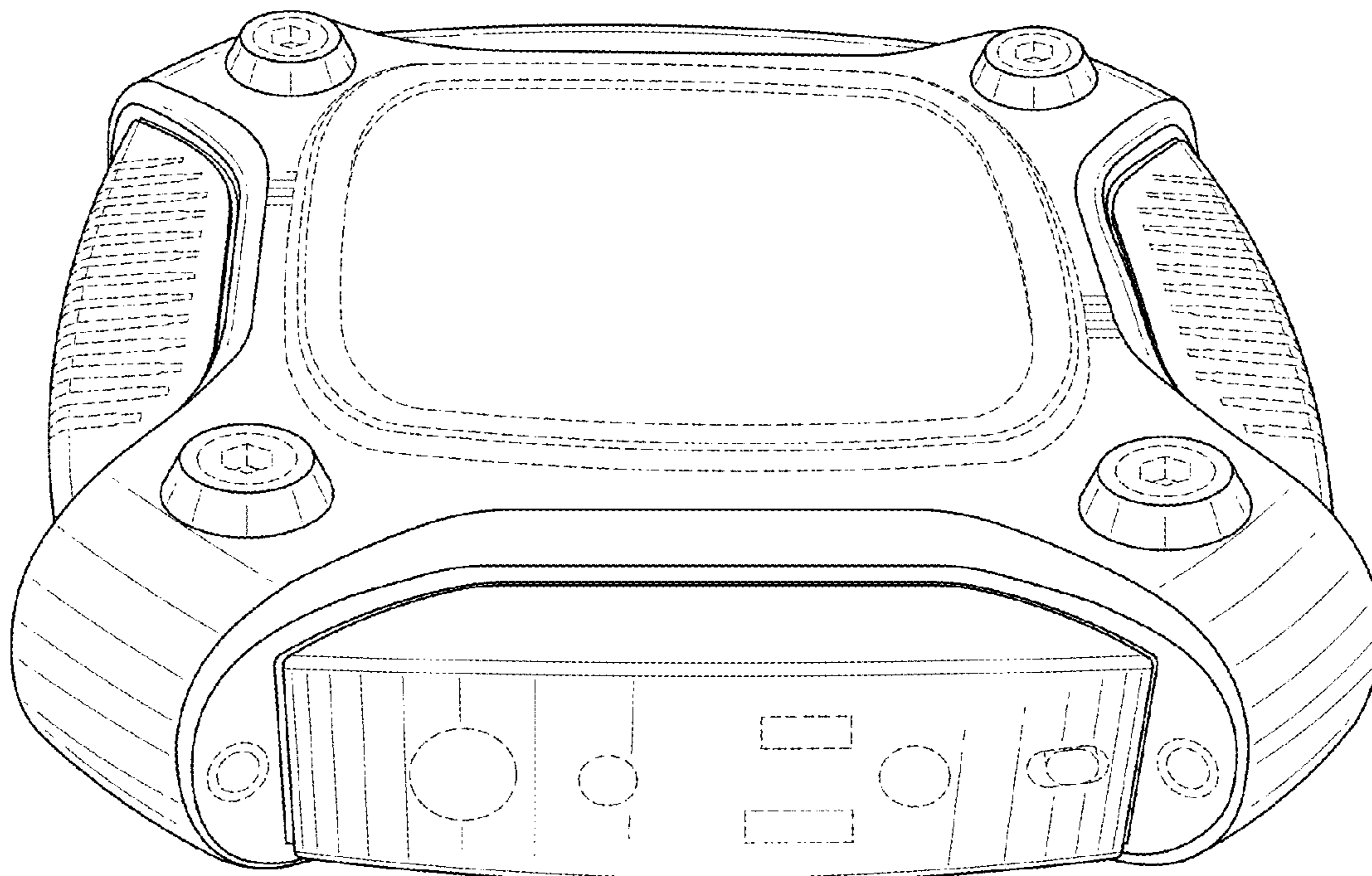
(57) **CLAIM**

The ornamental design for a portable energy storage and distribution device, as shown and described.

**DESCRIPTION**

FIG. 1 is a top plan view of a portable energy storage and distribution device showing our new design; FIG. 2 is a bottom plan view thereof; FIG. 3 is a front perspective view thereof; FIG. 4 is a back perspective view thereof; FIG. 5 is a left side perspective view thereof; and, FIG. 6 is a right side perspective view thereof. The broken lines shown represent unclaimed subject matter and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



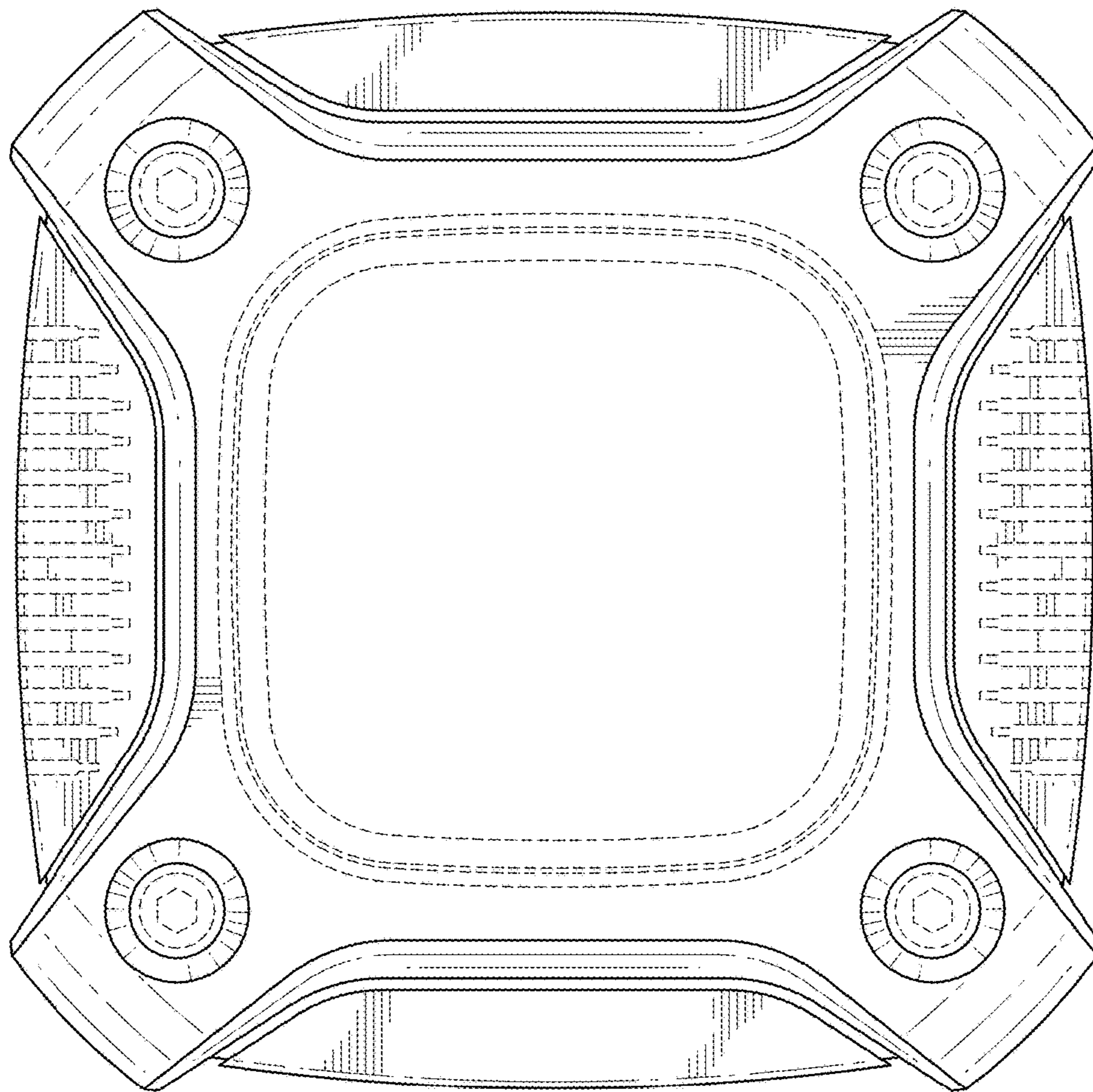


FIG. 1

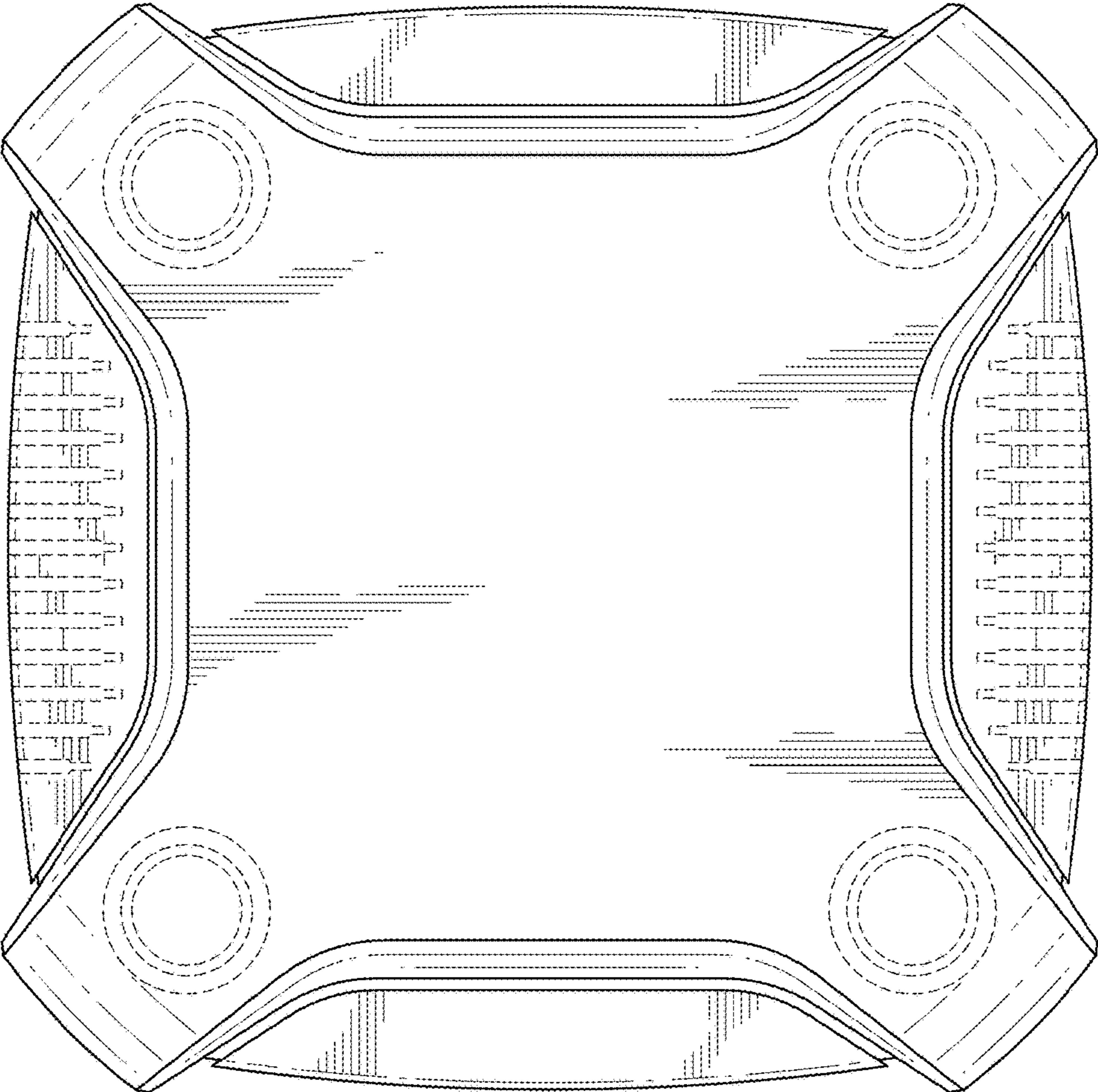


FIG. 2

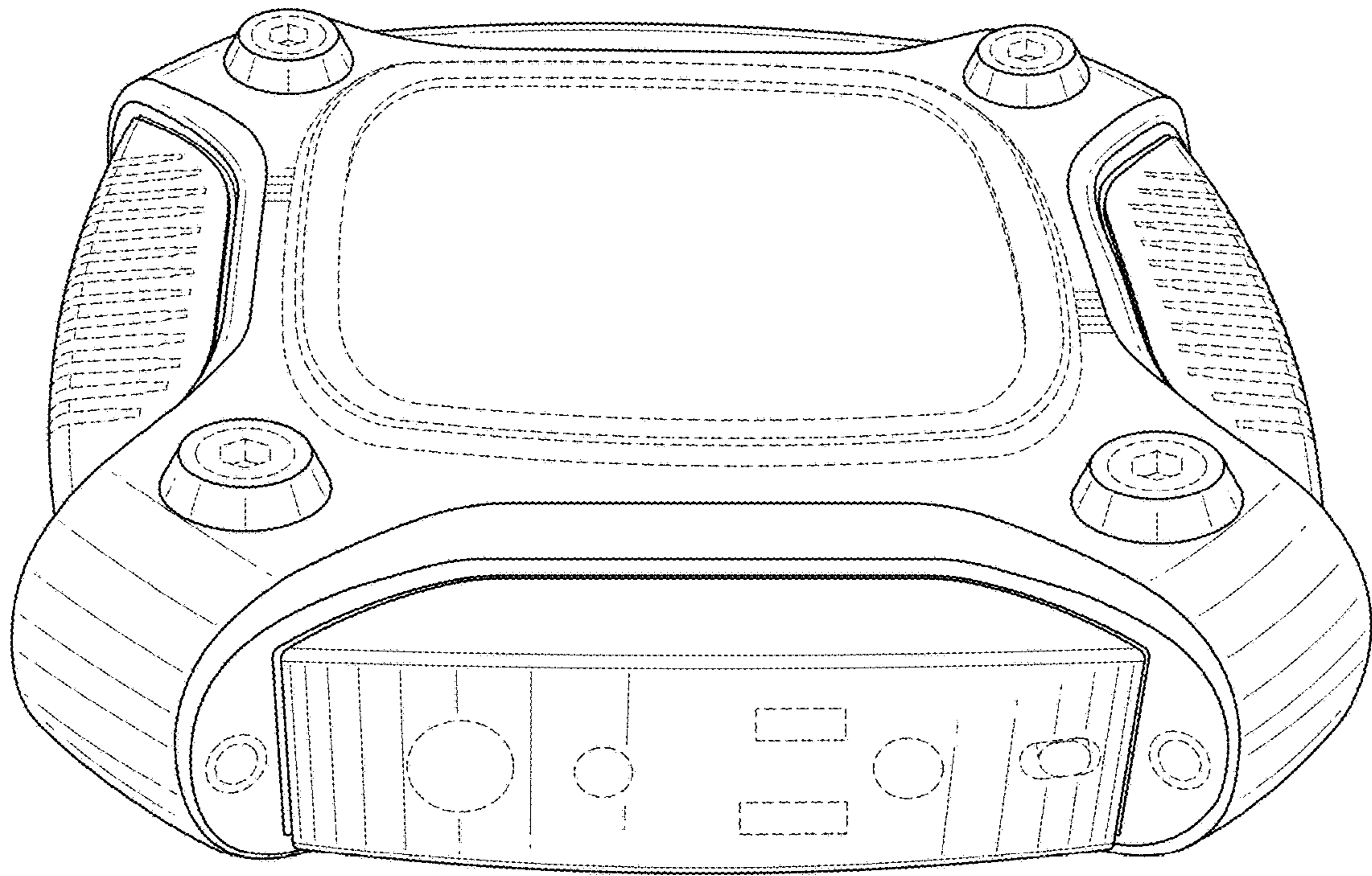


FIG. 3

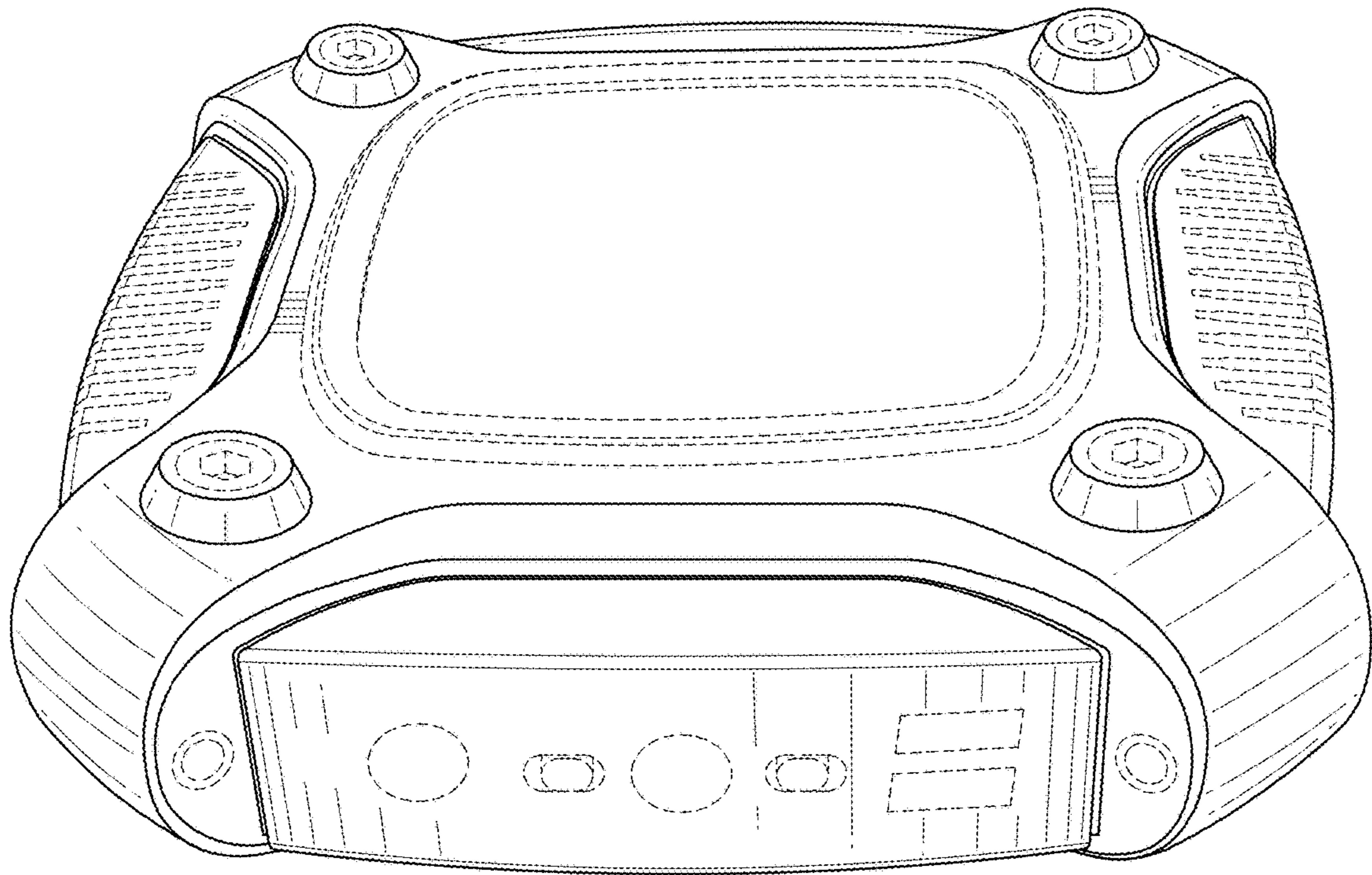


FIG.4

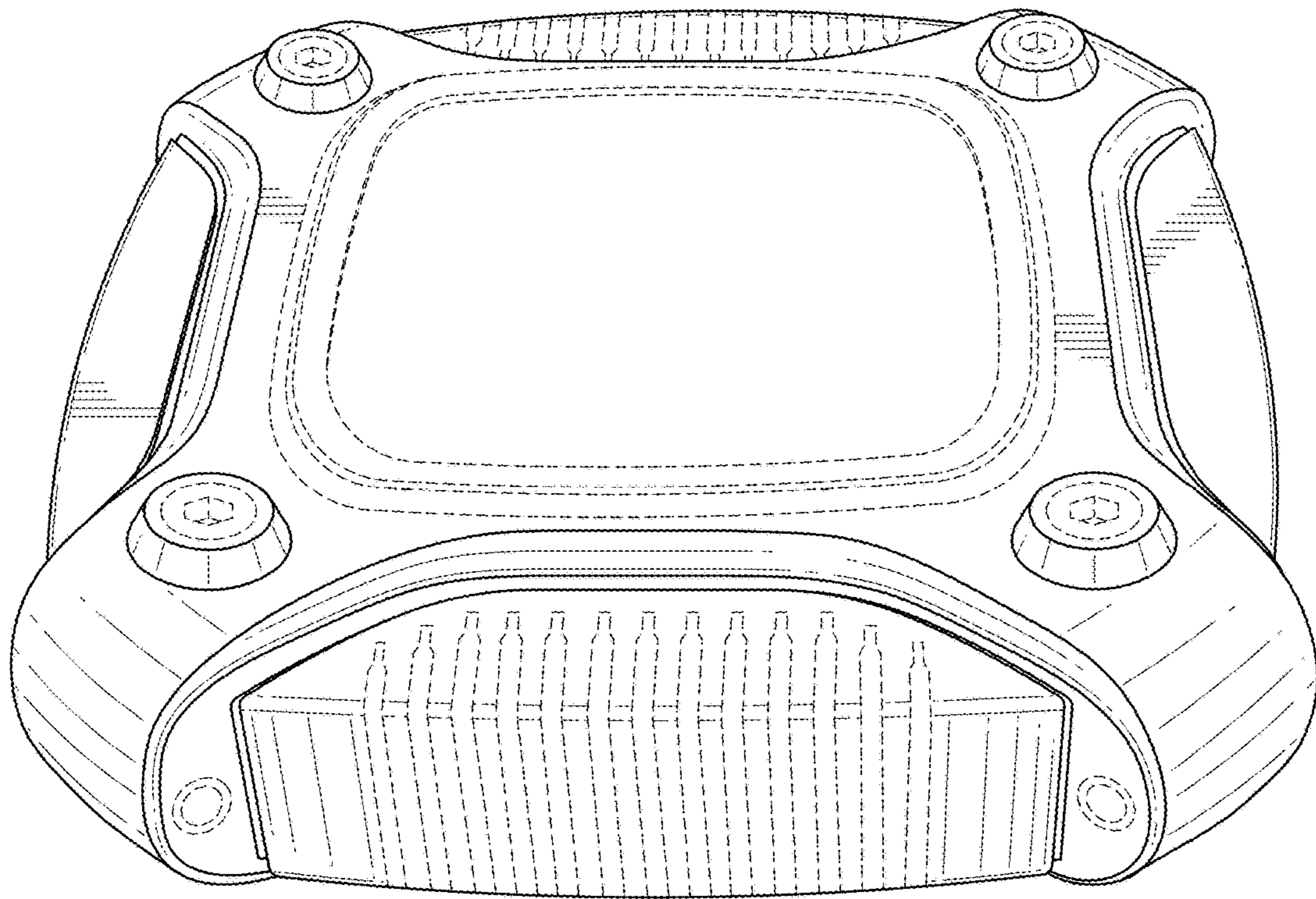


FIG. 5

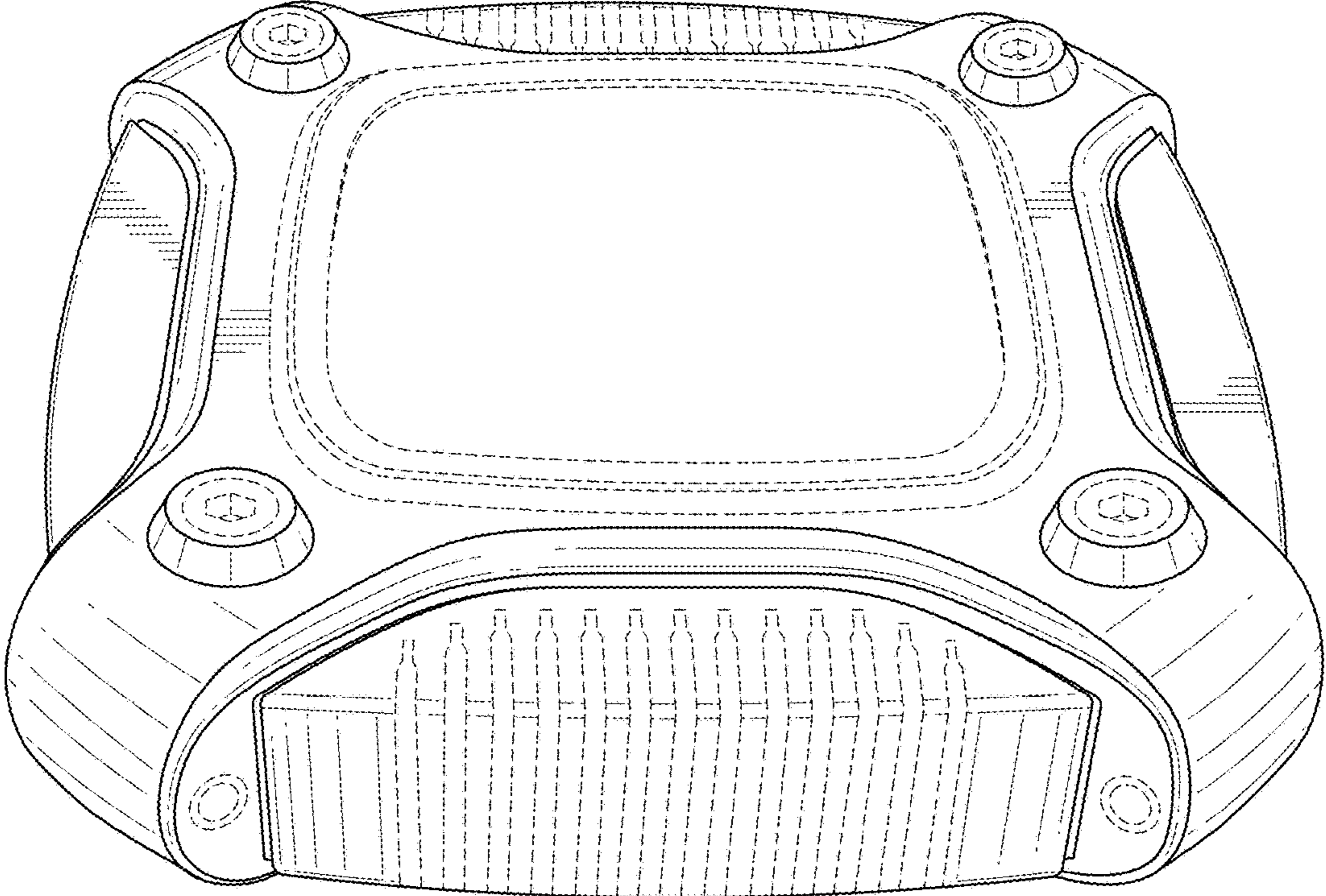


FIG.6