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United States Design Patent

Yan

(10)

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(54) SMART BATTERY CHARGER

FOREIGN PATENT DOCUMENTS

(71) Applicant: Congcong Yan, Jiangxi (CN)  
(72) Inventor: Congcong Yan, Jiangxi (CN)

|    |           |   |         |
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| CN | 306619537 | * | 6/2021  |
| CN | 308291658 | * | 10/2023 |

(\*\*) Term: 15 Years

OTHER PUBLICATIONS

(21) Appl. No.: 29/842,296  
(22) Filed: Jun. 12, 2022  
(51) LOC (14) Cl. 13-02  
(52) U.S. Cl. D13/107  
USPC  
(58) Field of Classification Search  
USPC D13/104, 184, 122, 119, 118, 112, 110,  
D13/108, 107, 103, 105, 106  
CPC .. H01M 50/247; H01M 2220/30; H02J 7/025;  
H02J 7/005; H02J 7/02; H02J 7/0026;  
H02J 7/0042; H02J 7/0045; H02J 7/0013;  
H02J 7/0003; H02J 50/00; H02J 50/10;  
H02J 50/12; H02J 50/80  
See application file for complete search history.

“Battery Doctor® 12 Volt 1.25 Amp Sport Battery Charger/  
Maintainer”, first accessed Dec. 9, 2023. Wirthco.com [https://www.  
wirthco.com/battery-doctor/smart-chargers-maintainers/desktop-  
chargers/12-volt-sport] (Year: 2023).\*

\* cited by examiner

Primary Examiner — Rosemary K Tarcza  
Assistant Examiner — Seth David Kumpf

(57) CLAIM

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

DESCRIPTION

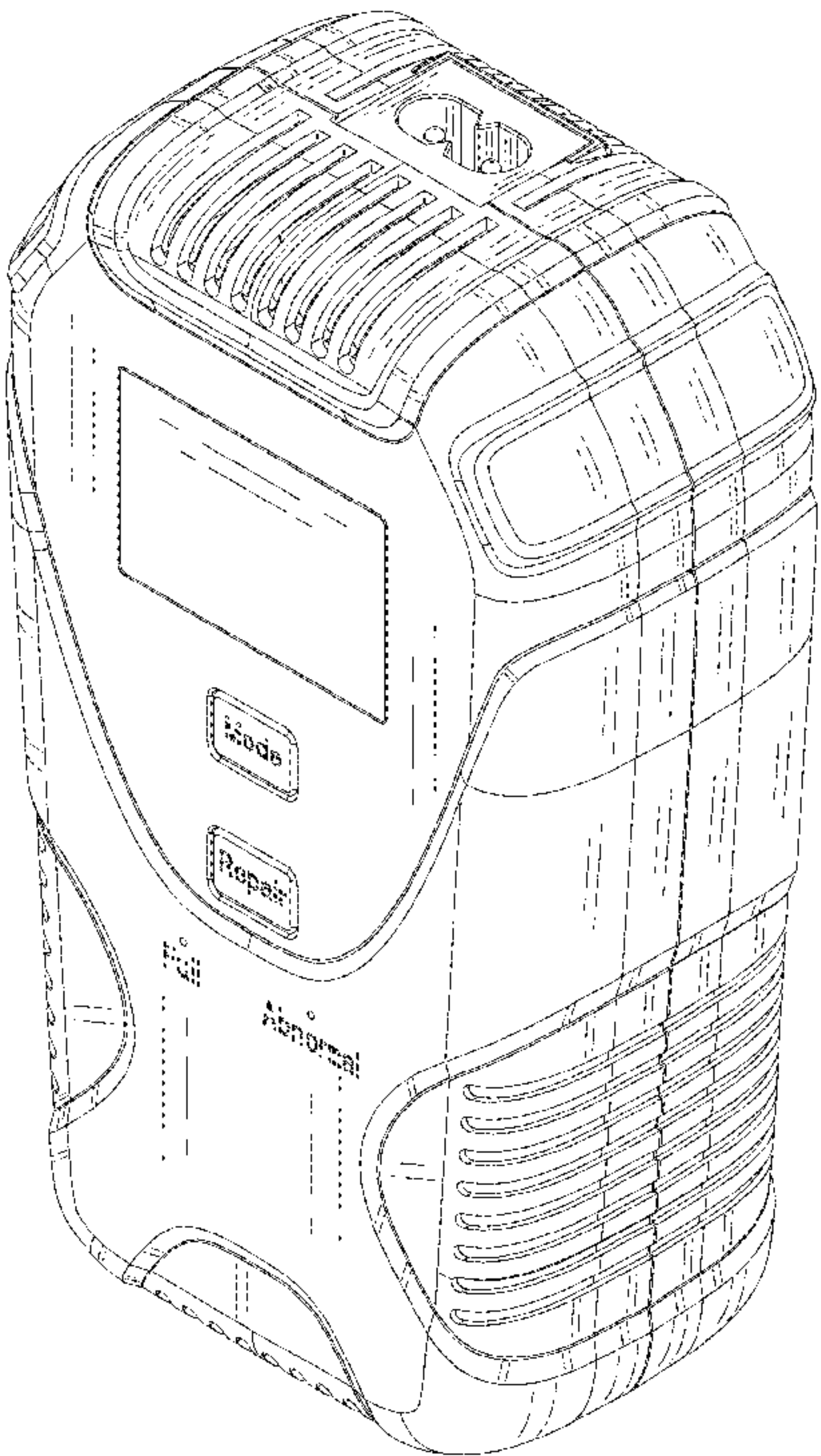
FIG. 1 is a perspective view of a smart battery charger  
showing my new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a right side elevational view thereof;  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.  
The broken lines throughout the drawing figures depict  
portions of the smart battery charger that form no part of the  
claimed design.

1 Claim, 7 Drawing Sheets

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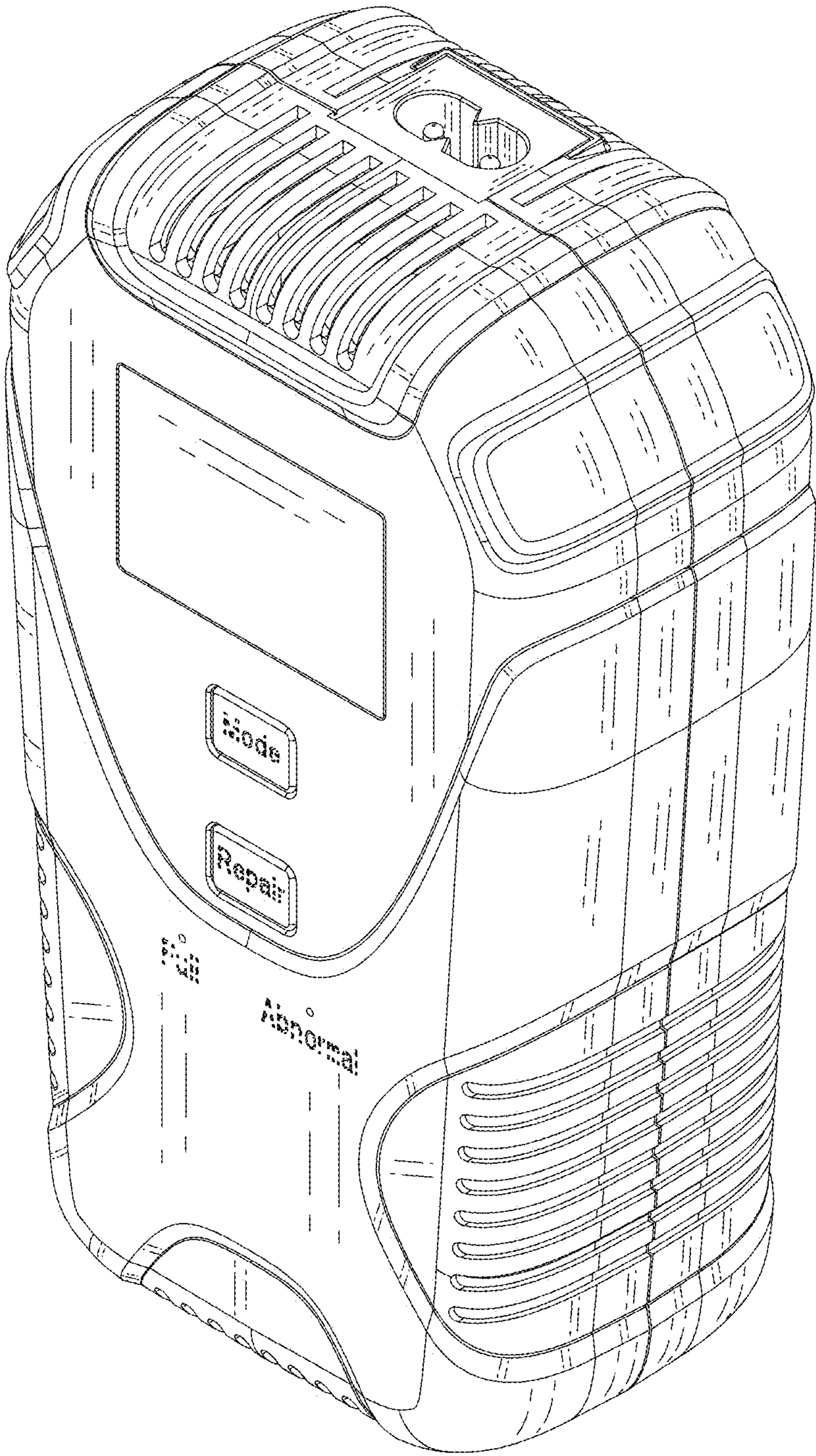


FIG.1

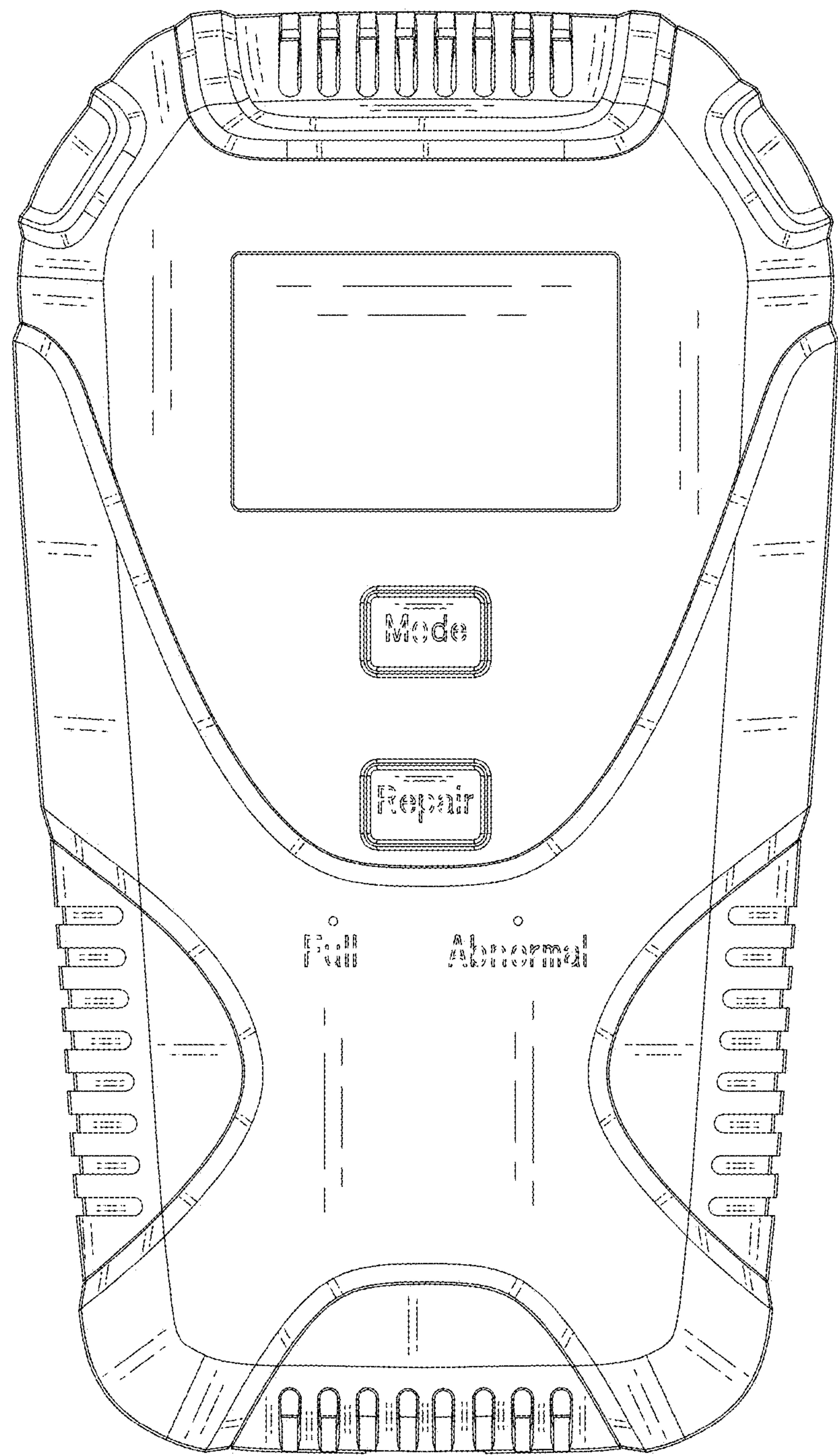


FIG.2

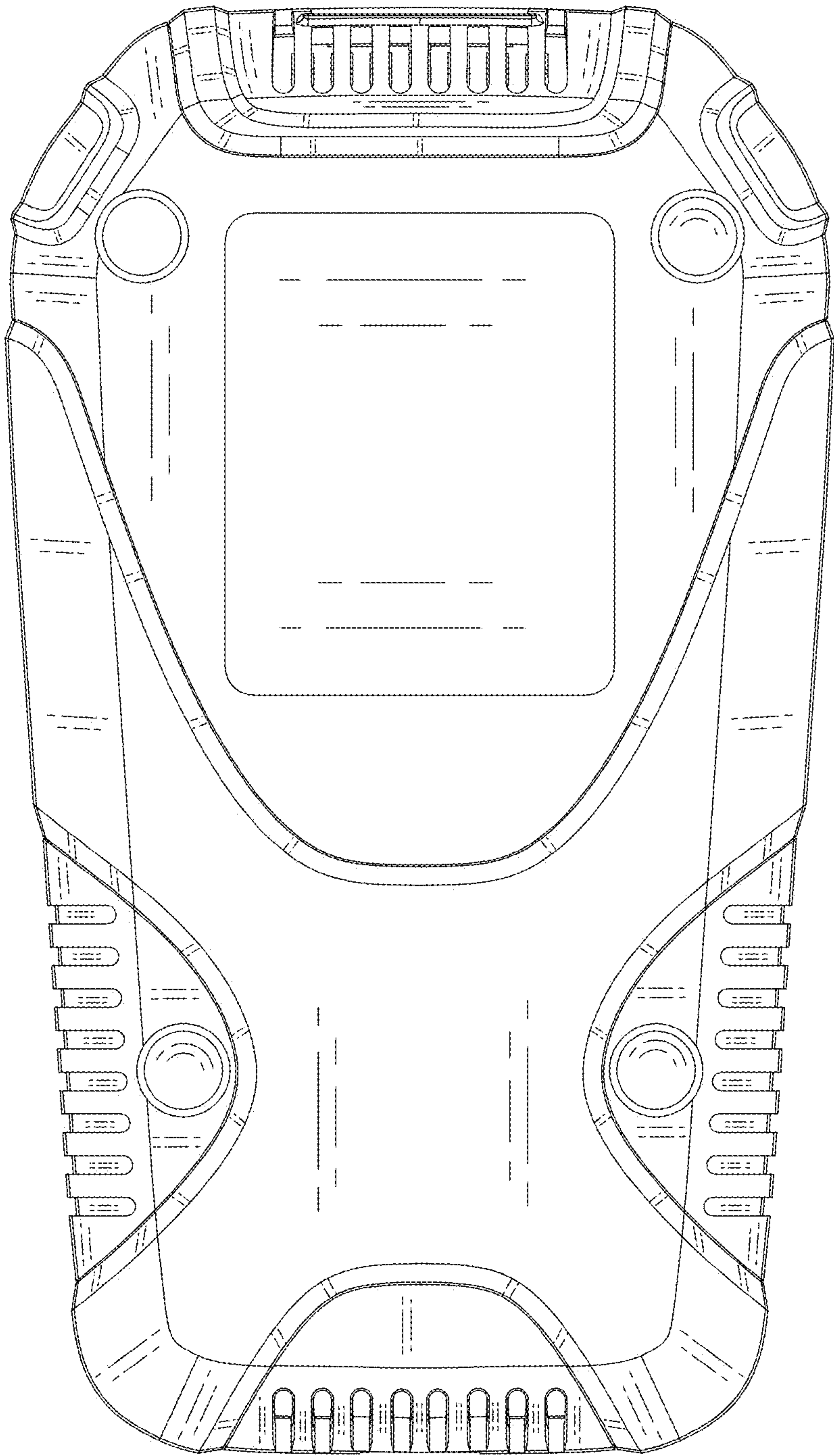


FIG.3

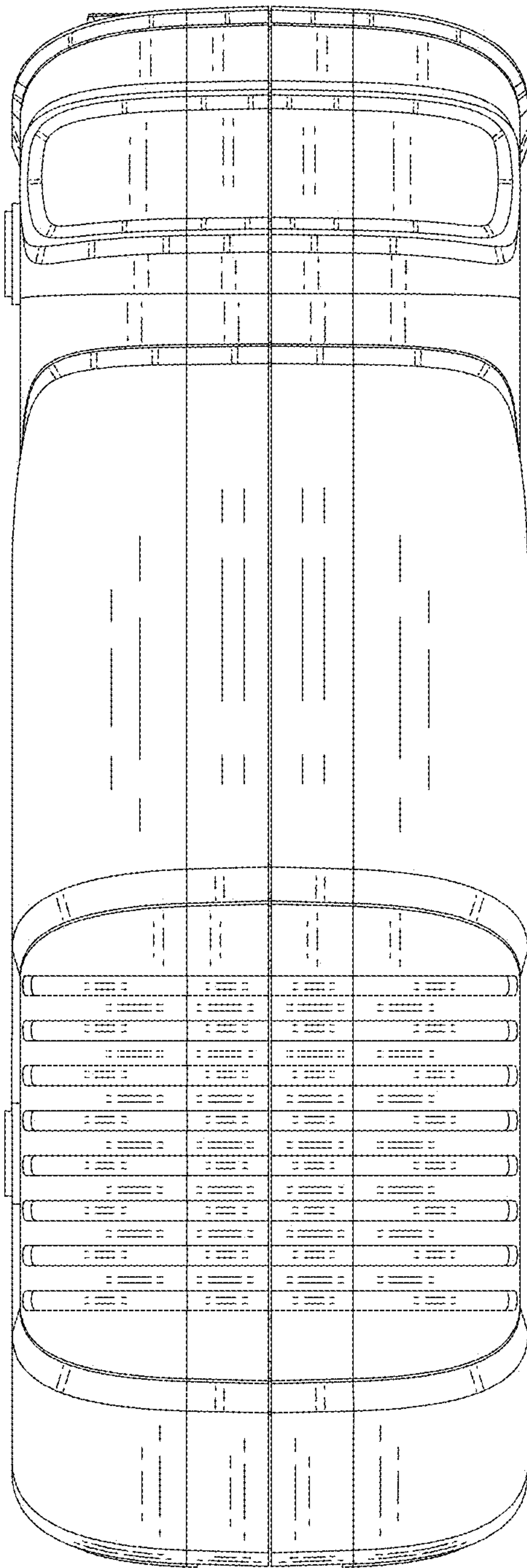


FIG.4

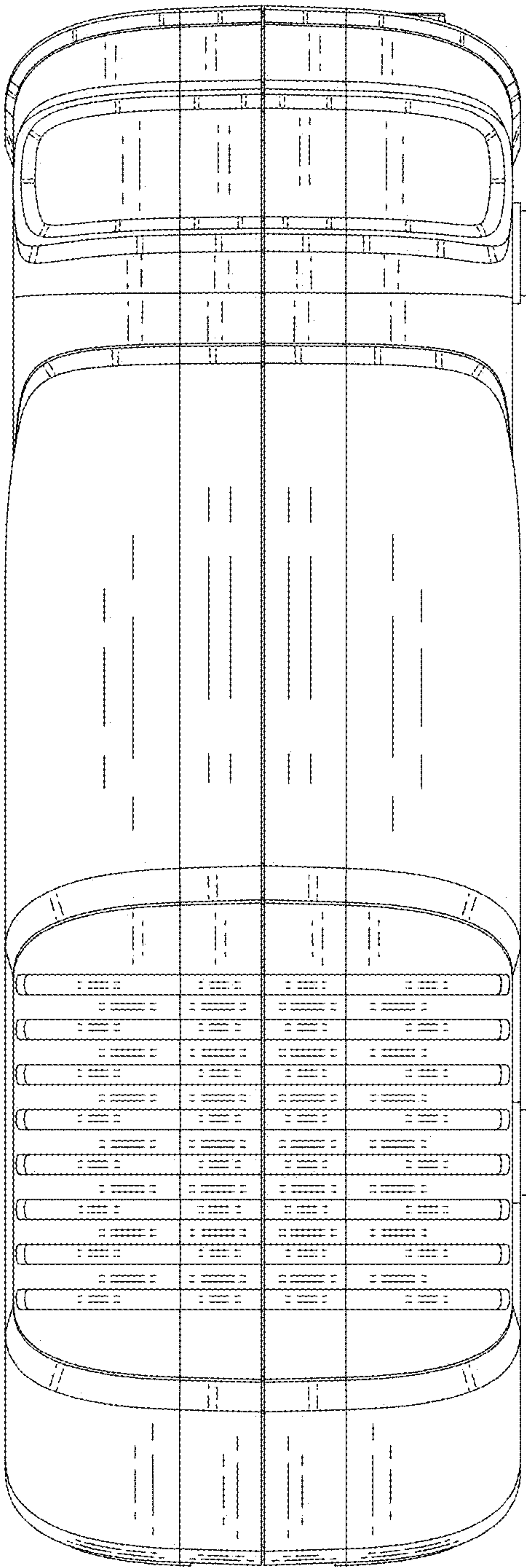


FIG.5

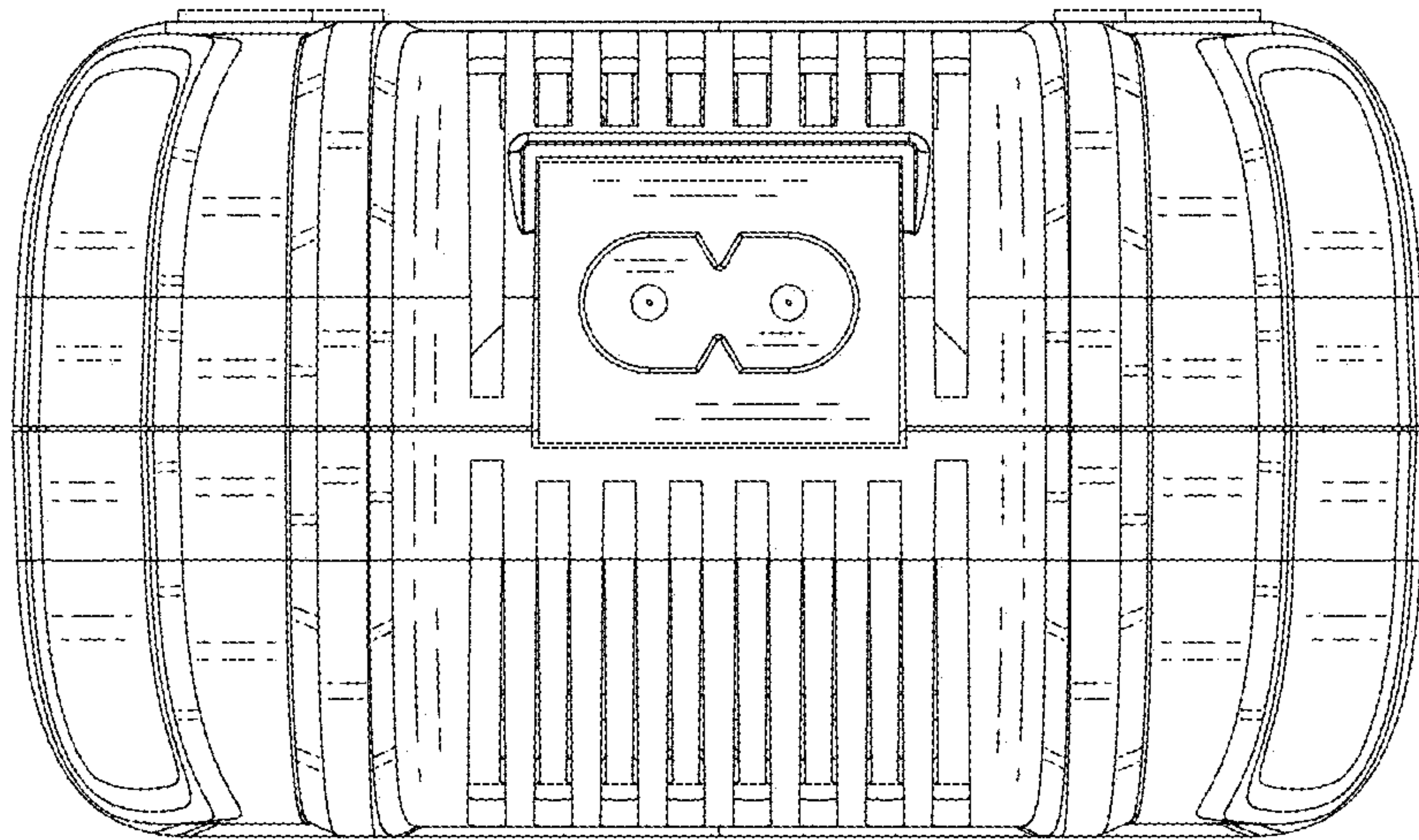


FIG.6

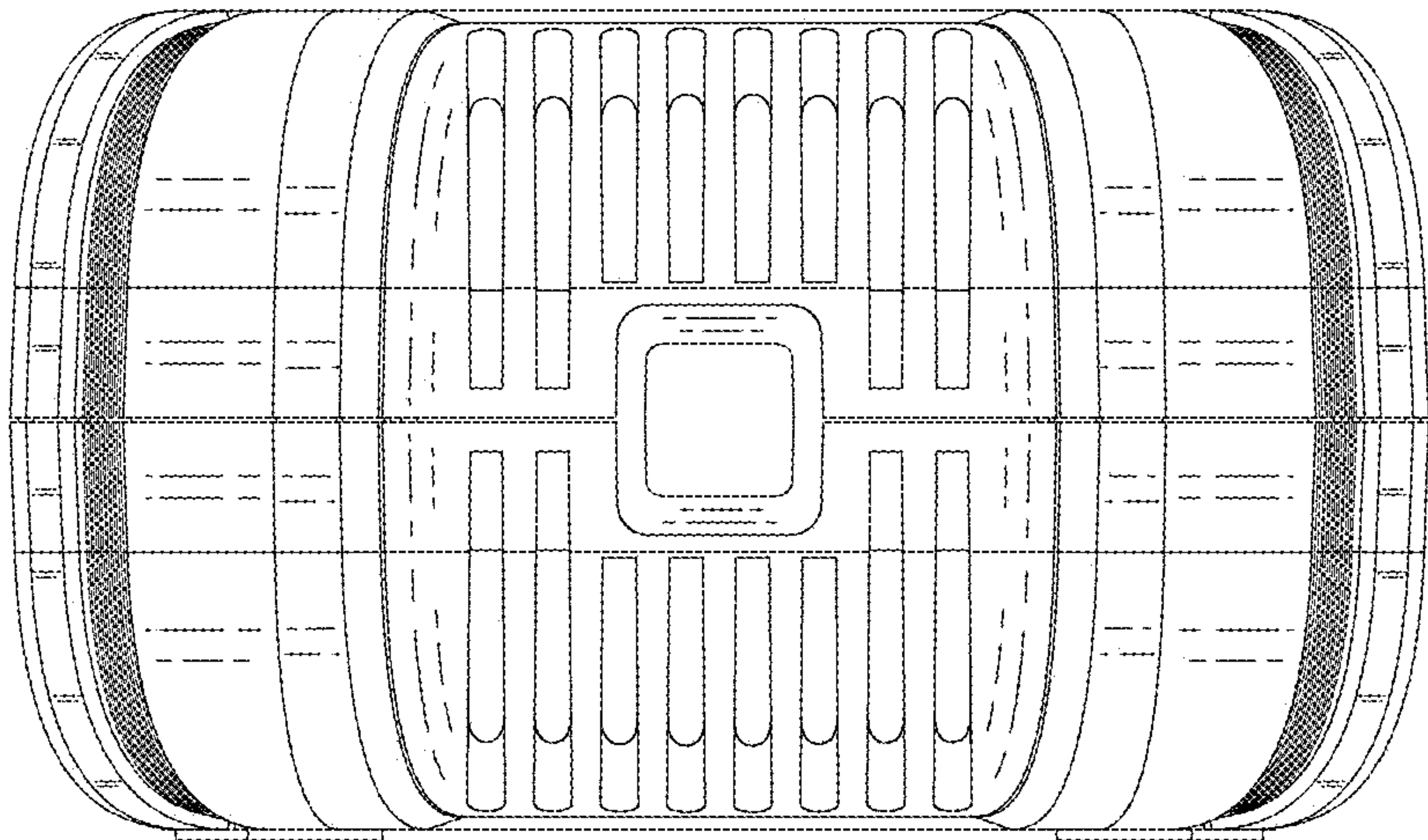


FIG.7