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

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(45) **Date of Patent:** **** Dec. 10, 2019**

(54) **ULTRASOUND DIAGNOSTIC APPARATUS**

D840,541 S * 2/2019 Yanagihara D24/160
D843,585 S * 3/2019 Wu D24/186
2007/0270694 A1* 11/2007 Pelissier A61B 8/00
600/443

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(Continued)

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Hyun Jung, Gwangmyoungsi (KR)

OTHER PUBLICATIONS

“Acuson NX2 Ultrasound System”; Siemens Healthineers; pp. 1-7;
Aug. 2015.

(Continued)

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Primary Examiner — Anhdao Doan

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

(57) **CLAIM**

The ornamental design for an “ultrasound diagnostic apparatus”, as shown and described.

(21) Appl. No.: **29/663,654**

DESCRIPTION

(22) Filed: **Sep. 18, 2018**

(51) **LOC (12) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/186; D24/160**

(58) **Field of Classification Search**
USPC D24/158-161, 185, 186, 107, 152, 176,
D24/177

CPC ... A61B 6/4405; A61B 6/4411; A61B 6/4435;
A61B 6/4441; A61B 6/4447; A61B
8/4405; A61B 8/4411; A61B 8/4427;
A61B 8/462; A61B 8/0437; A61B 8/0883
See application file for complete search history.

FIG. 1 is a top, front and left side perspective of a first embodiment of an ultrasound diagnostic apparatus 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 top, front and left side perspective of a second embodiment of an ultrasound diagnostic apparatus showing our new design;

FIG. 9 is a front view thereof;

FIG. 10 is a rear view thereof;

FIG. 11 is a left side view thereof;

FIG. 12 is a right side view thereof;

FIG. 13 is a top view thereof; and,

FIG. 14 is a bottom view thereof.

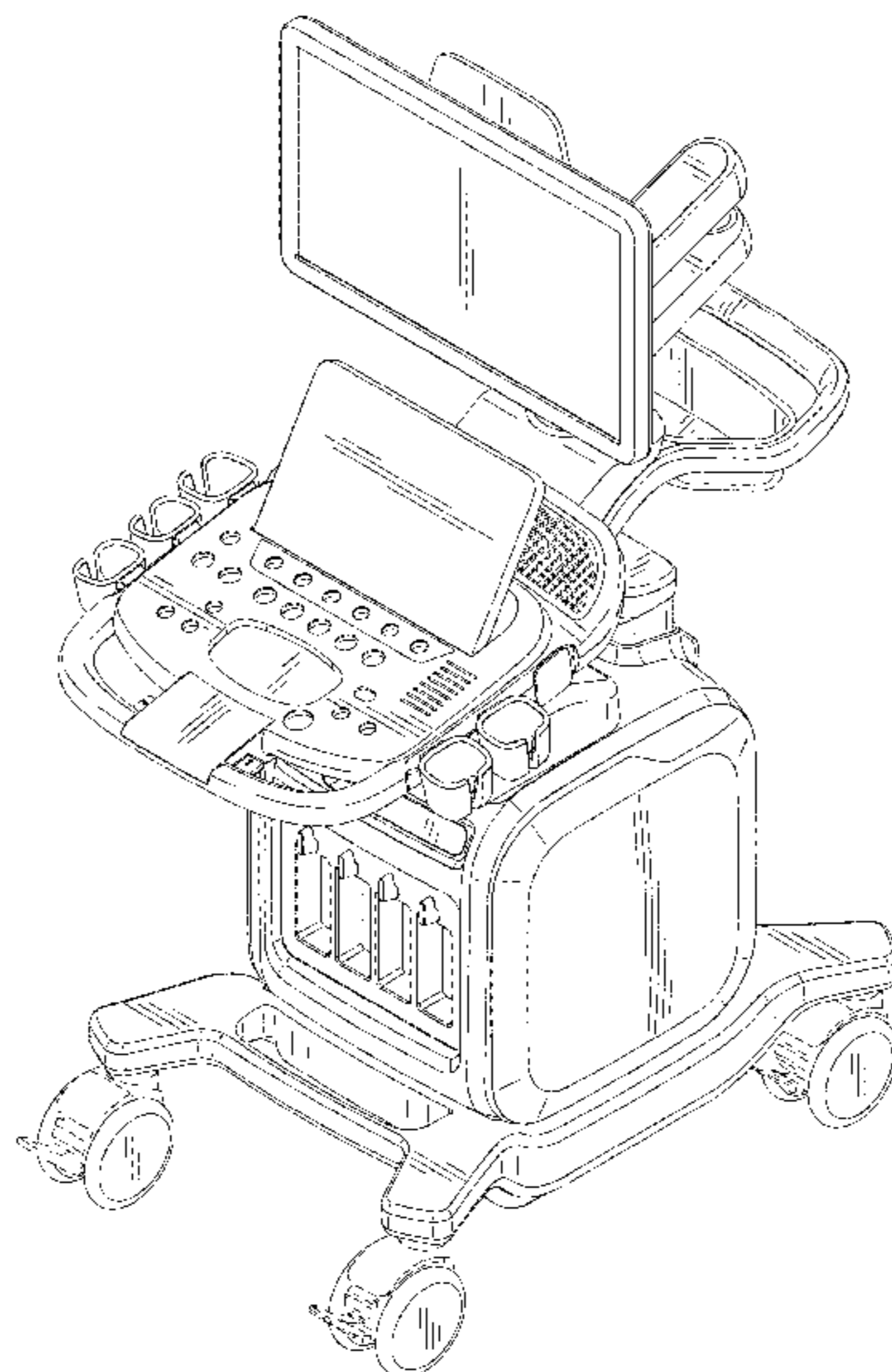
The broken lines illustrate portions of the ultrasound diagnostic apparatus that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,683,784 B1 1/2004 Bidwell et al.
D662,208 S * 6/2012 Otoha D24/185
D707,360 S * 6/2014 Kim D24/185
D713,035 S * 9/2014 Kim D24/158
D727,504 S * 4/2015 Ninomiya D24/158
D728,791 S * 5/2015 Ninomiya D24/158
D804,673 S * 12/2017 Shin D24/186

1 Claim, 14 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2019/0167230 A1* 6/2019 Cho A61B 8/4422

OTHER PUBLICATIONS

“Acuson X150 Ultrasound System General System Overview”; Siemens; pp. 1-5; Jun. 2010.

“Acuson S1000 Ultrasound System”; Siemens; pp. 1-14; 2015.

“F37 Practical and Powerful Ultrasound”; Hitachi Aloka Medical America, Inc.; pp. 1-12.

“Logiq C5 TruScan Imaging Technology”; GE Healthcare; pp. 1-11; 2008.

“Philips HD11 XE Ultrasound System”; Philips Healthcare; pp. 1-12; 2008.

“Acuson NX3 Series”; Siemens; pp. 1-16; 2015.

“Voluson E8”; GE Healthcare; pp. 1-8; 2017.

“Acuson Juniper Ultrasound System”; Siemens Healthineers; pp. 1-16; 2018.

“Acuson S2000 Ultrasound System”; Siemens; pp. 1-11; Sep. 2011.

“Acuson Sequoia Ultrasound System”; Siemens Healthineers; pp. 1-16; 2018.

* cited by examiner

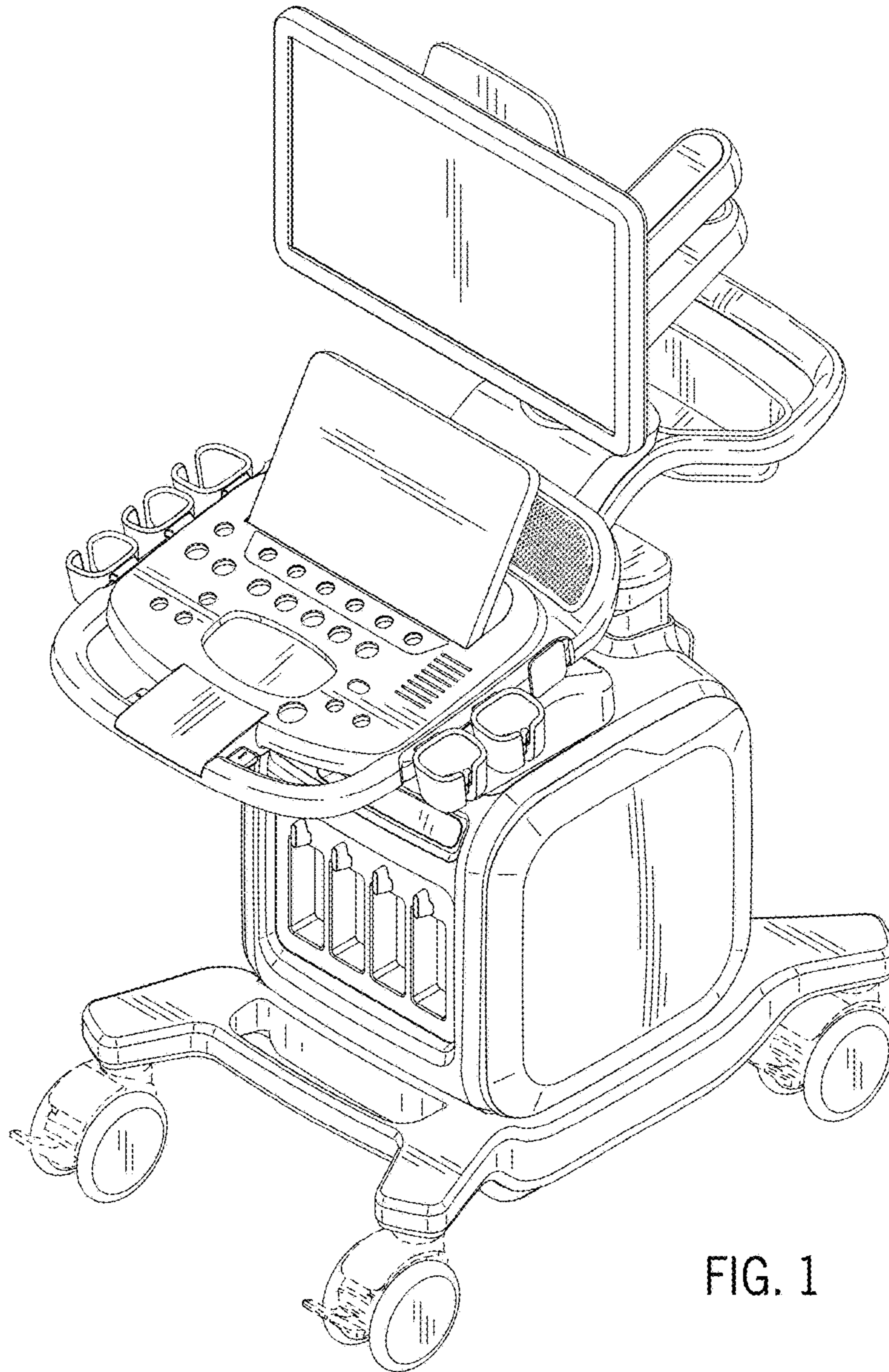


FIG. 1

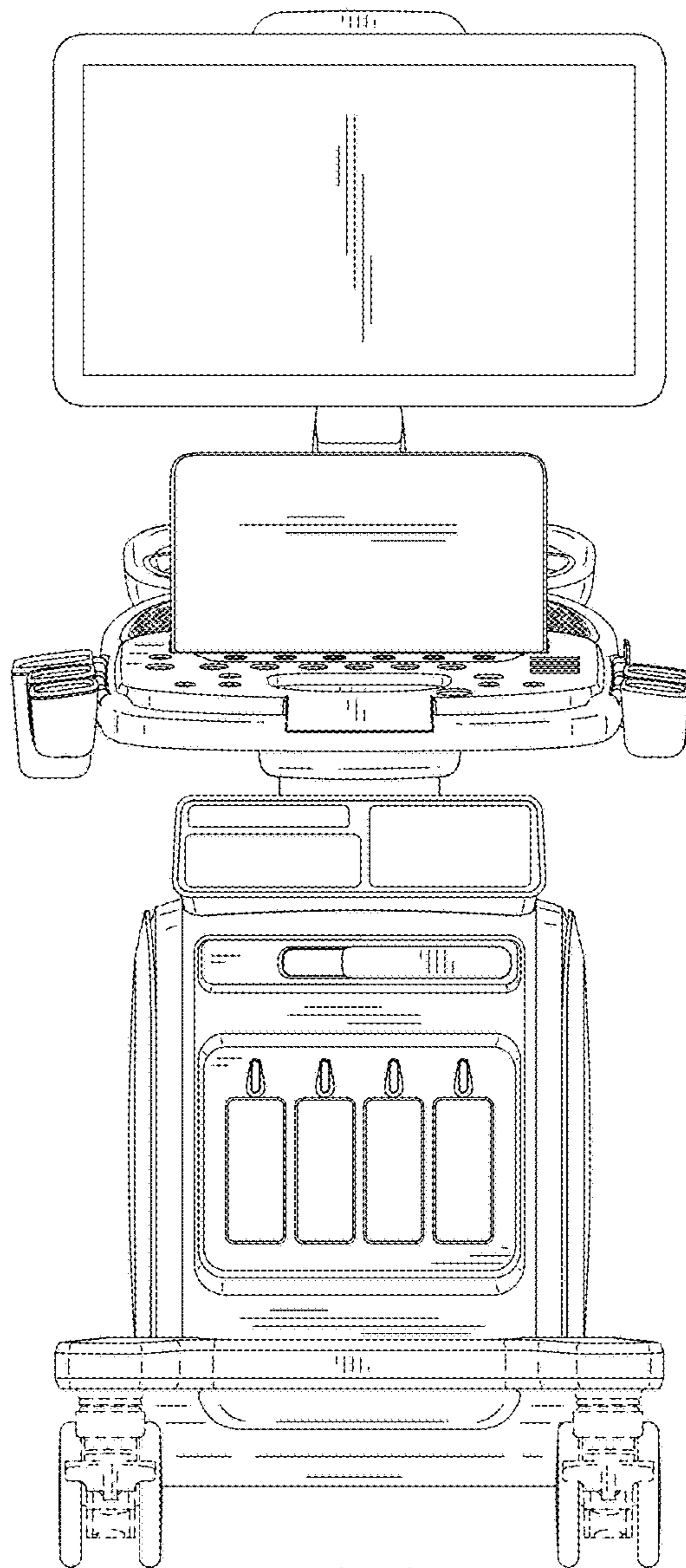


FIG. 2

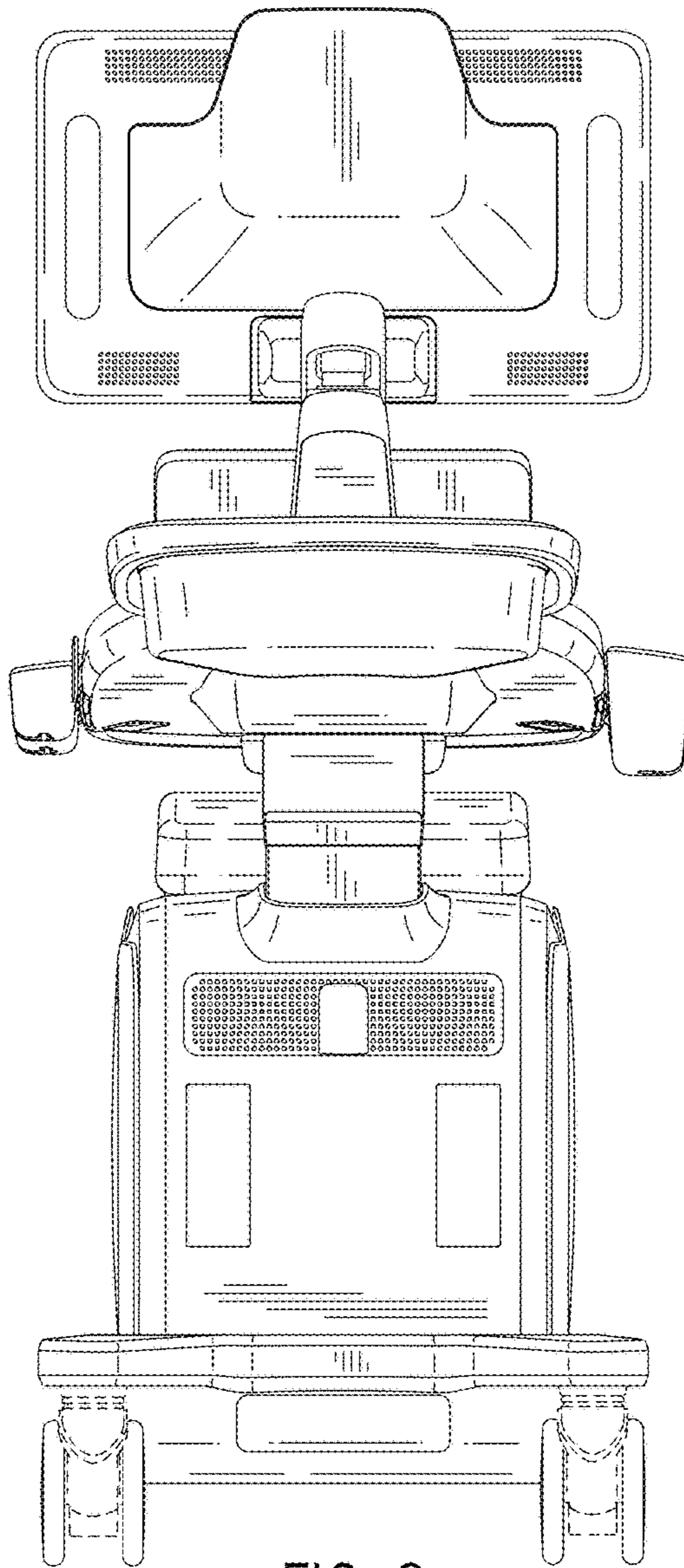


FIG. 3

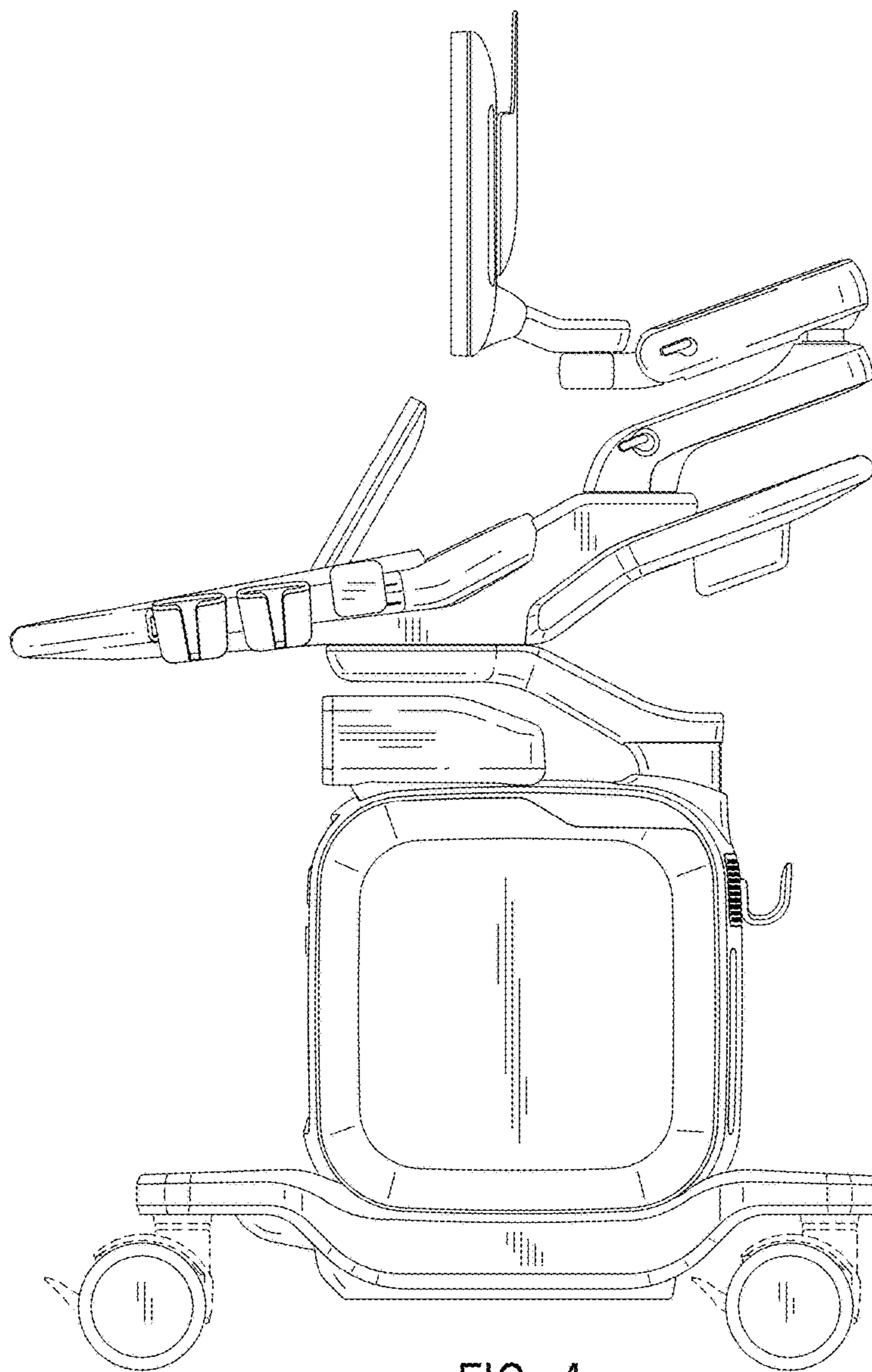


FIG. 4

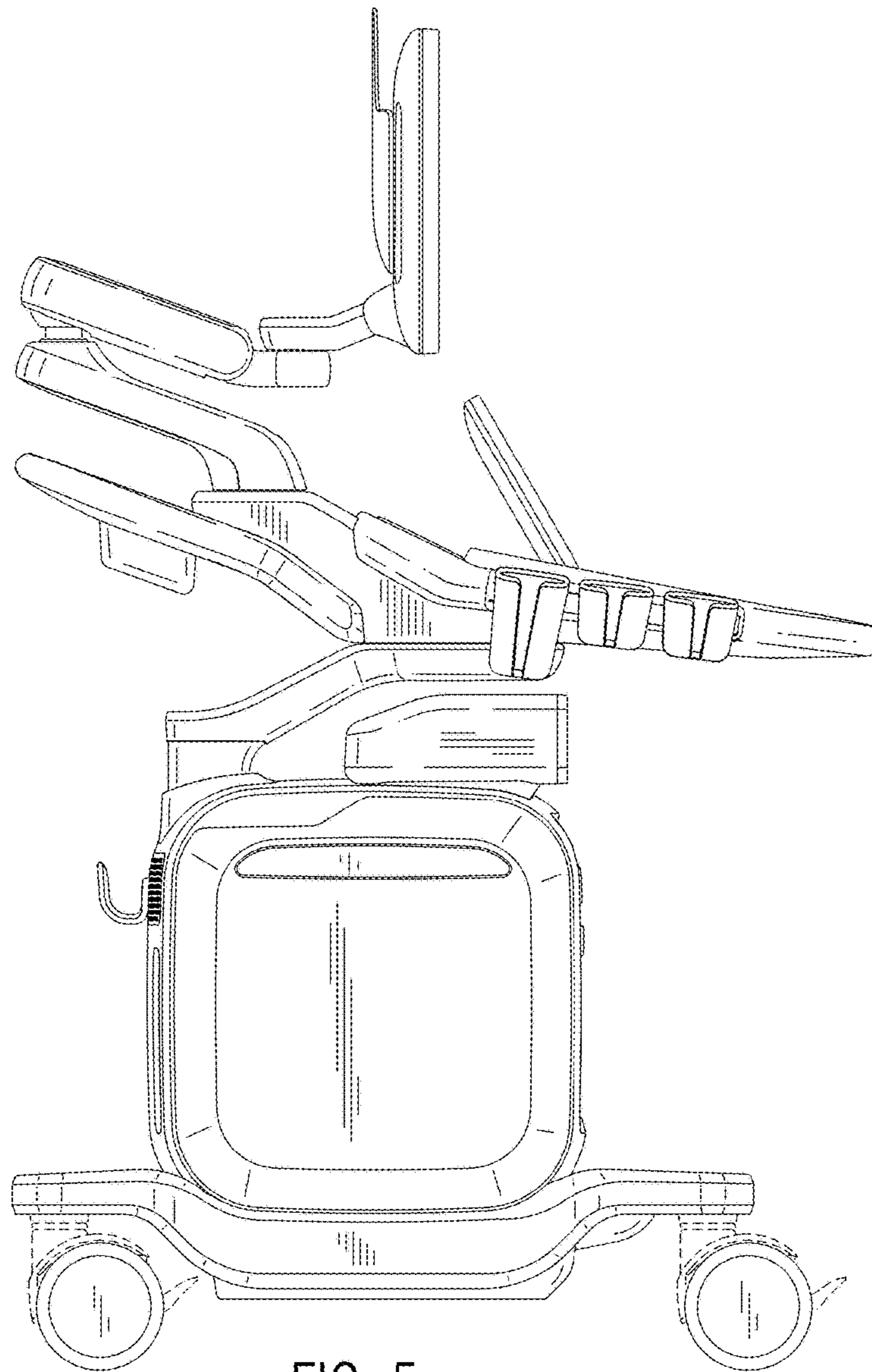


FIG. 5

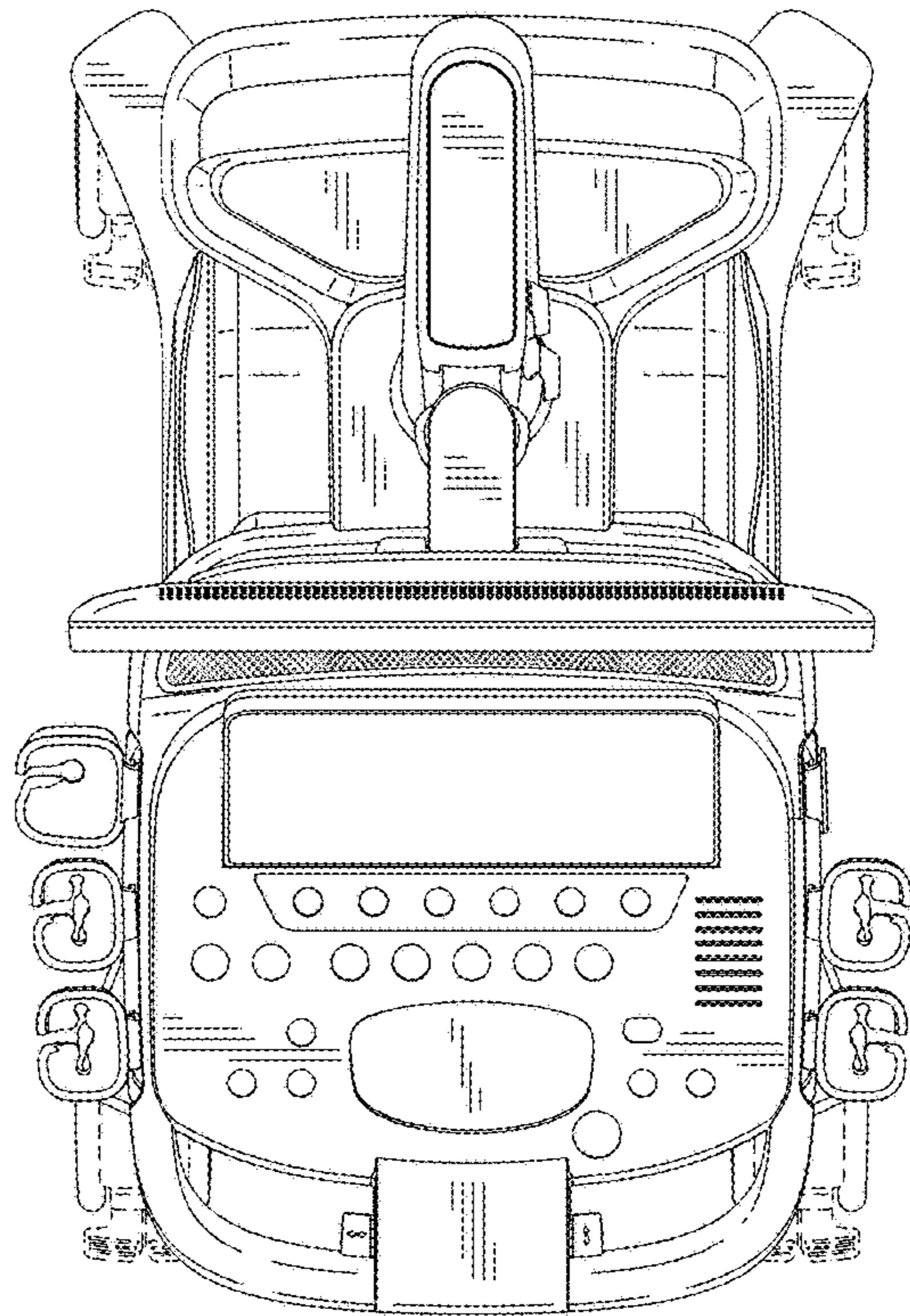


FIG. 6

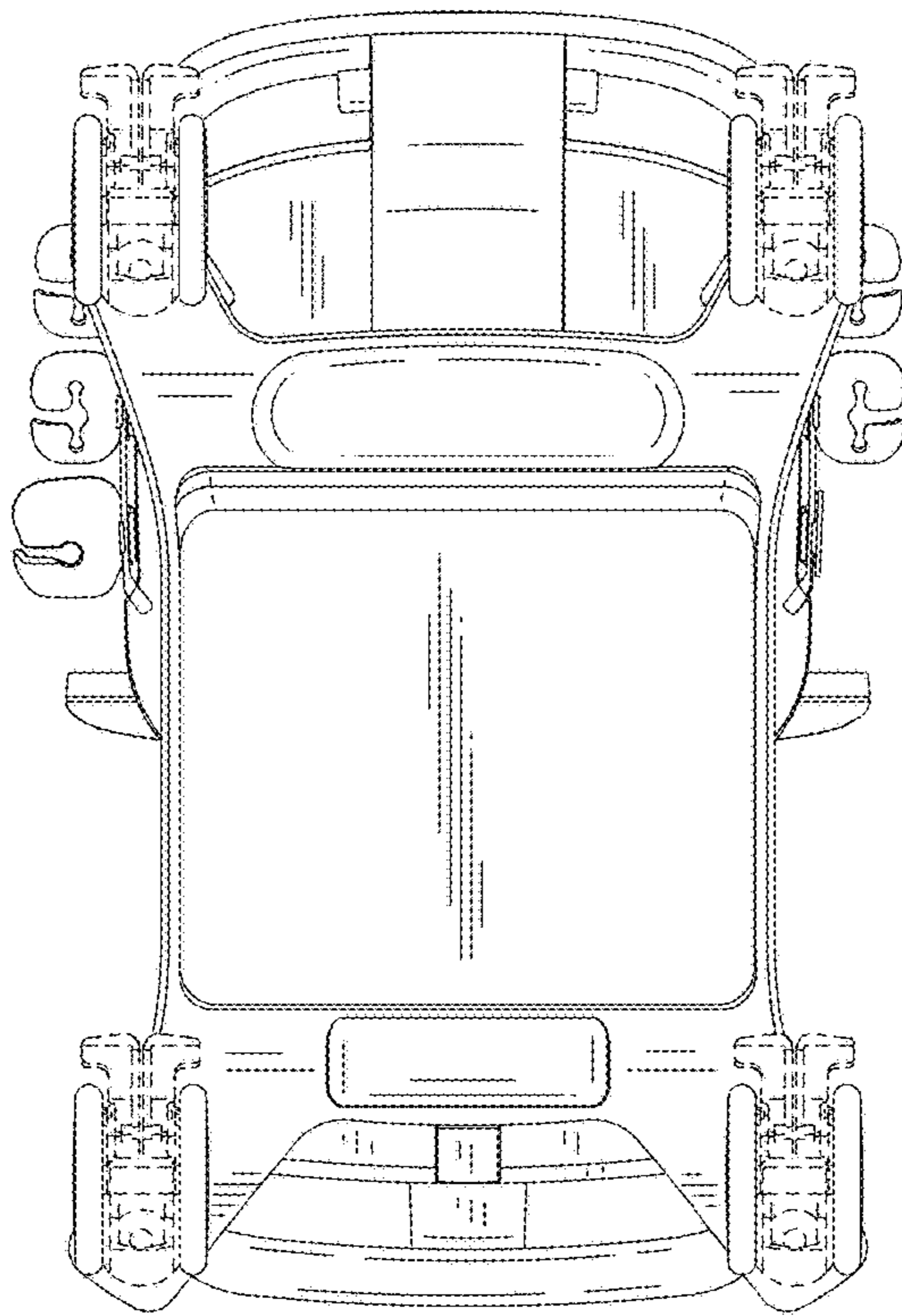


FIG. 7

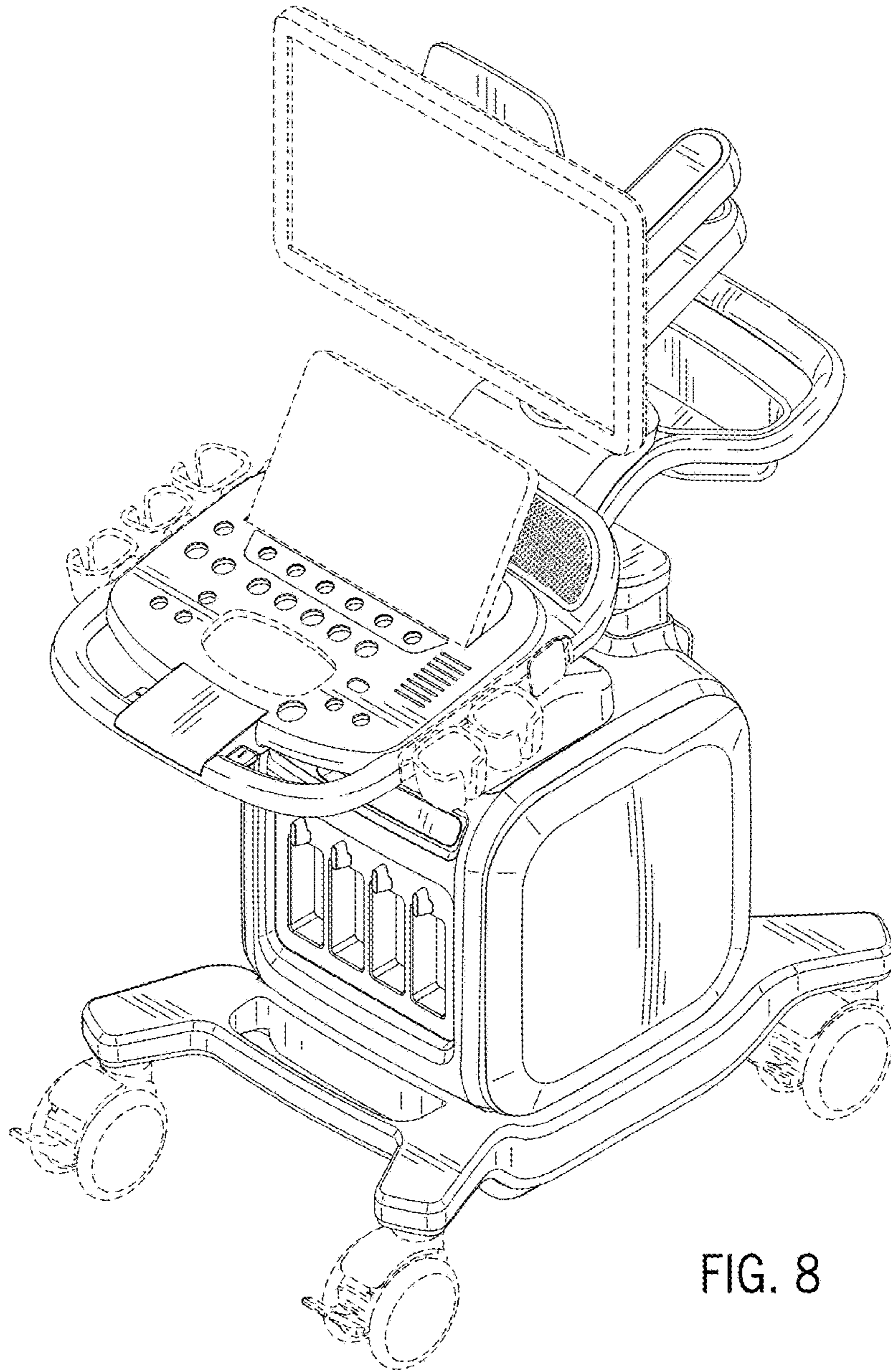


FIG. 8

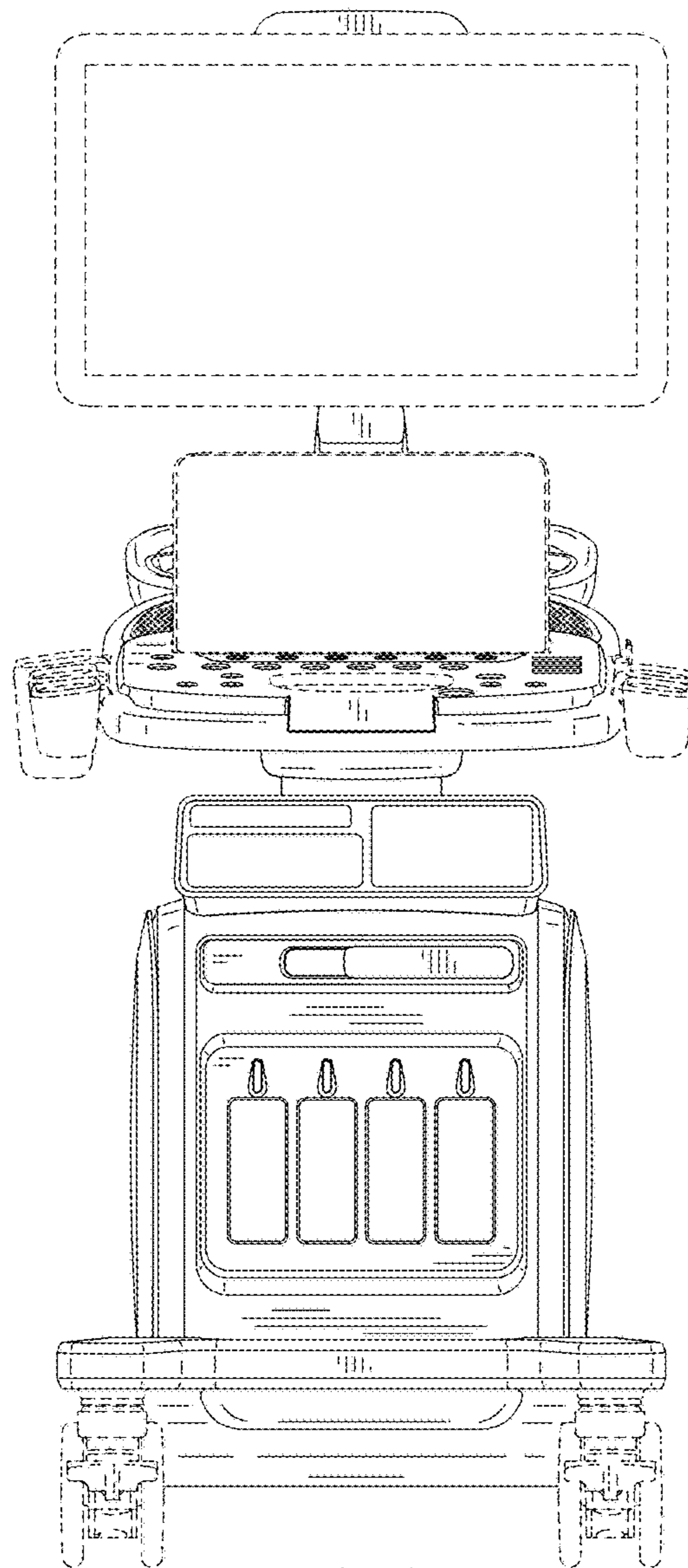


FIG. 9

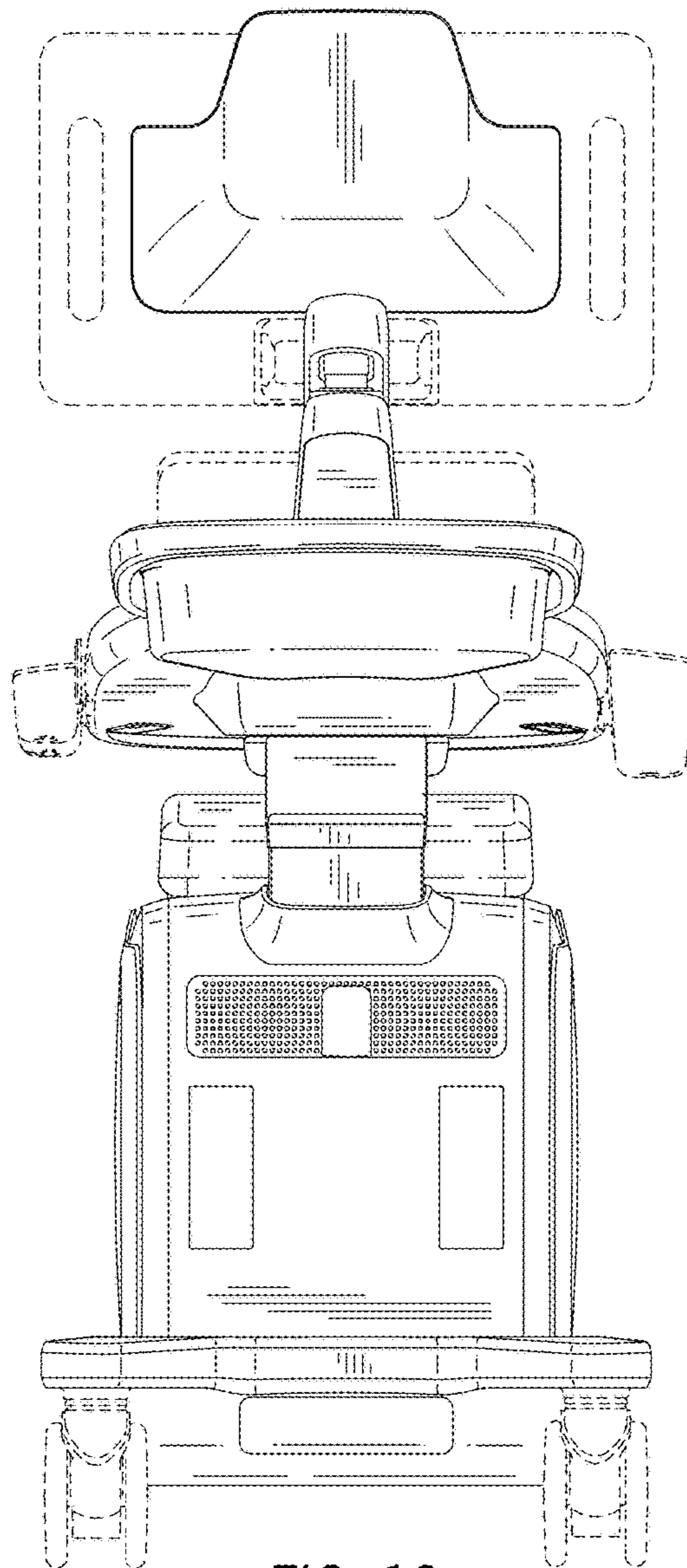


FIG. 10

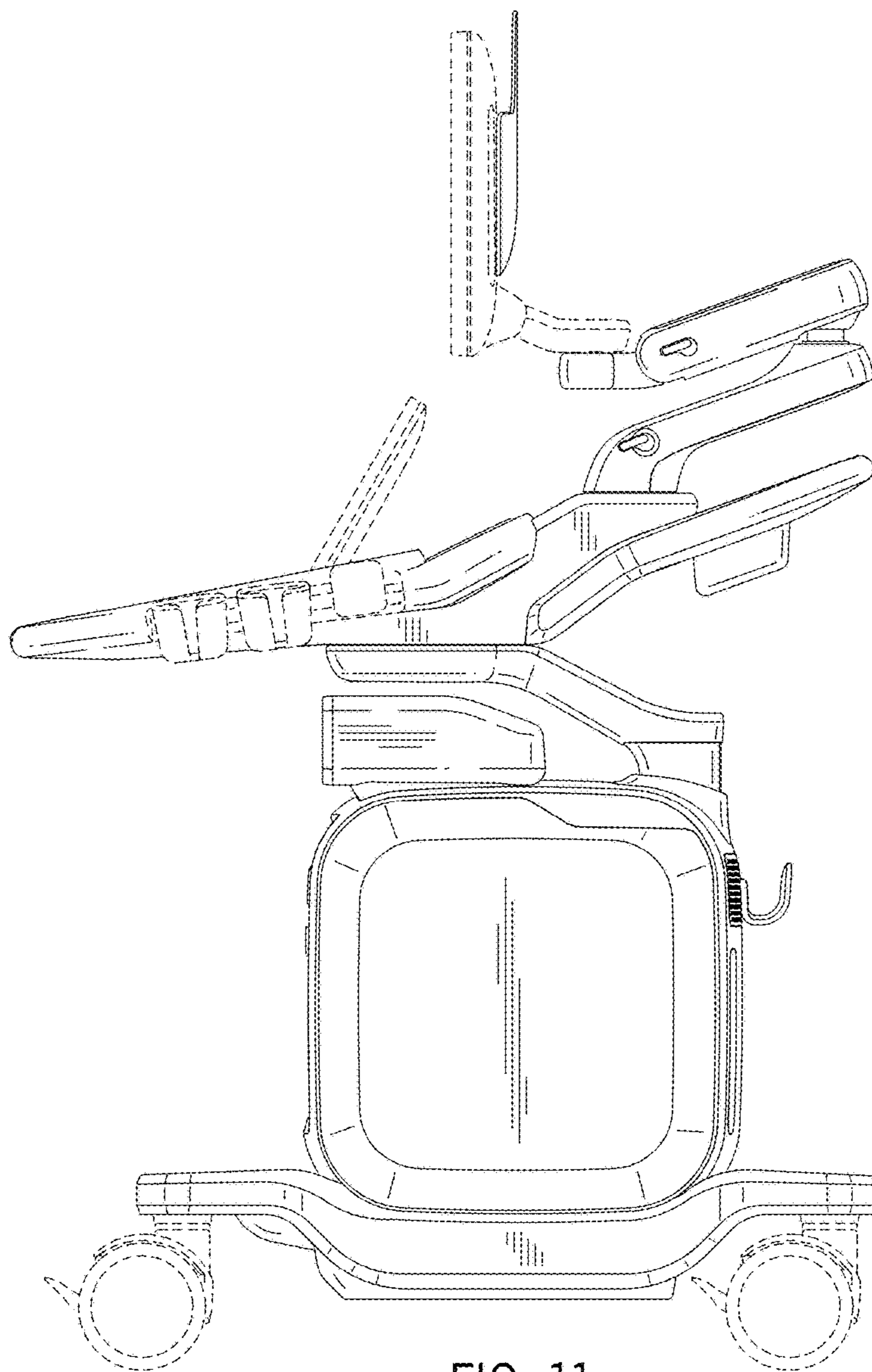


FIG. 11

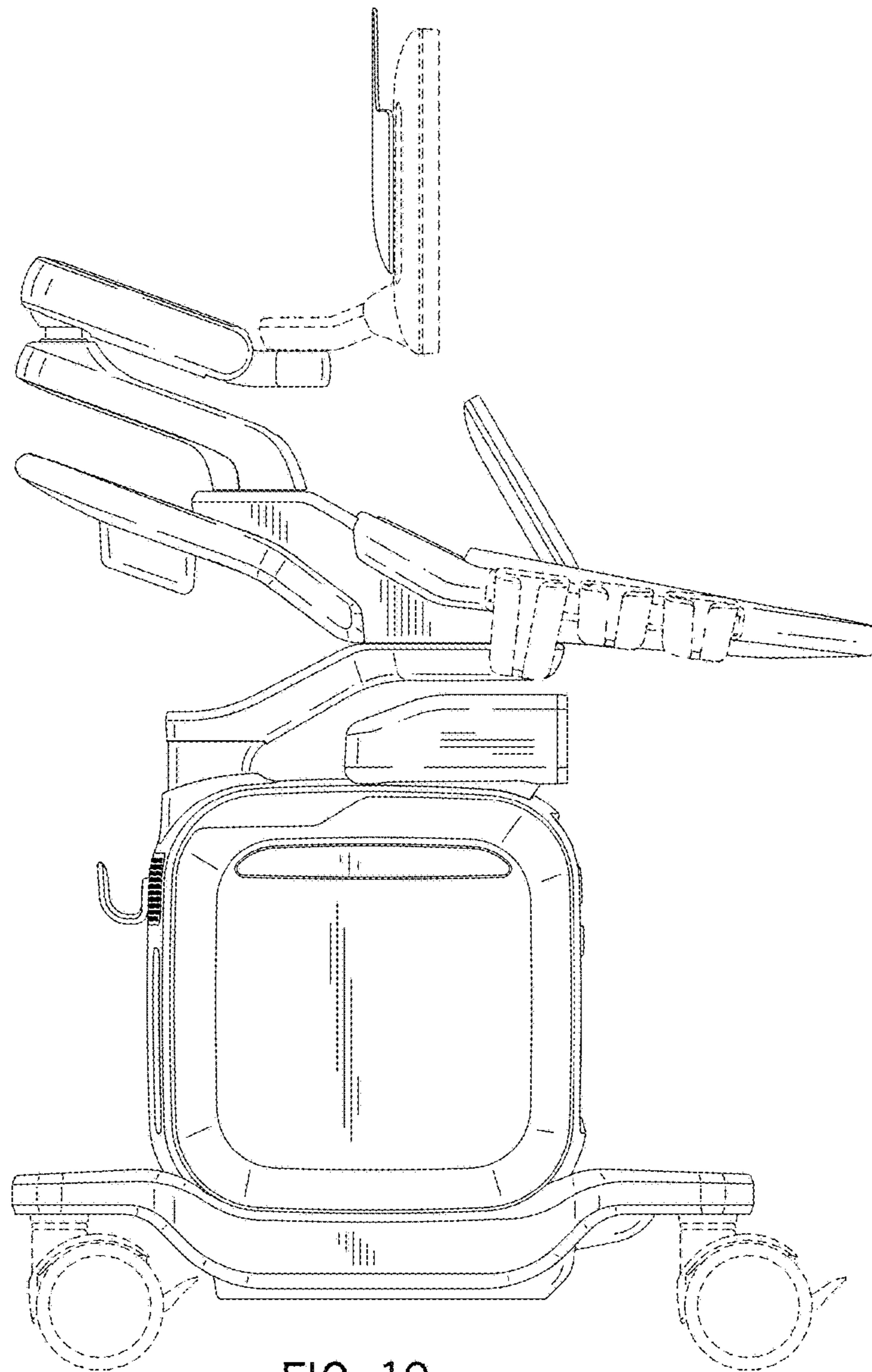


FIG. 12

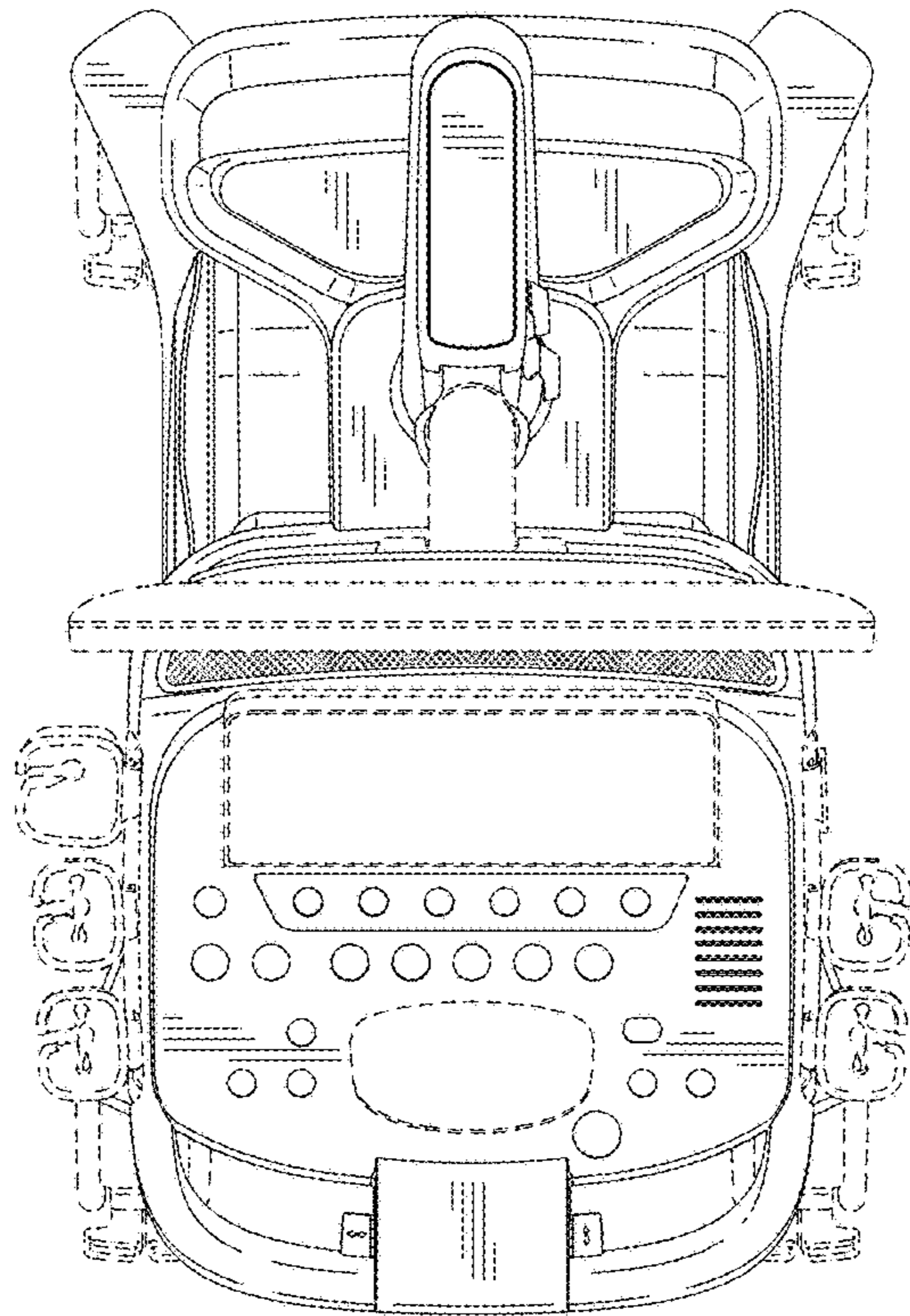


FIG. 13

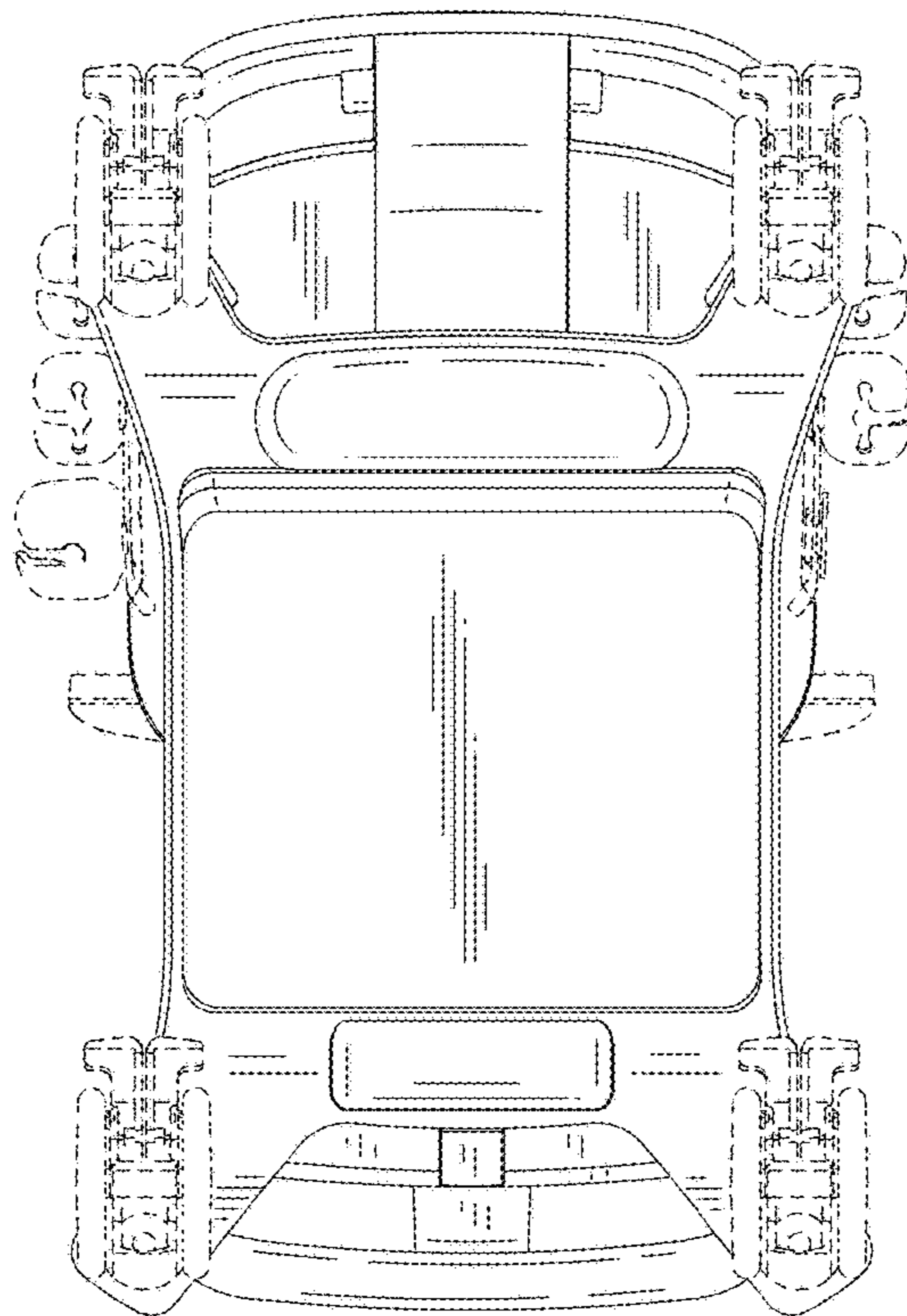


FIG. 14