

### US00D764669S

## (12) United States Design Patent

Birath et al.

## (10) Patent No.:

US D764,669 S

## (45) Date of Patent:

\*\* Aug. 23, 2016

## (54) **VENTILATOR**

(71) Applicants: Martin Birath, Lidingö (SE); Karin Blomquist, Sollentuna (SE); Johan

Reuterholt, Bålsta (SE)

(72) Inventors: Martin Birath, Lidingö (SE); Karin

Blomquist, Sollentuna (SE); Johan

Reuterholt, Bålsta (SE)

(73) Assignee: Maquet Critical Care AB, Solna (SE)

(\*\*) Term: 14 Years

(21) Appl. No.: 29/519,356

(22) Filed: Mar. 4, 2015

## (30) Foreign Application Priority Data

Se	p. 12, 2014 (EM) 2537068
	LOC (10) Cl
` /	U.S. Cl.
	USPC <b>D24/16</b> 4
(58)	Field of Classification Search
	USPC
	280/47.34, 47.35; 600/407; 108/24, 6
	CPC A61M 16/0051; A61B 19/0241; A61E
	5/0002; A61B 17/00; A45C 9/00
	See application file for complete search history.

## (56) References Cited

## U.S. PATENT DOCUMENTS

D486,915 S *	2/2004	Warschewske D24/185
D549,921 S	8/2007	Reckelhoff
D578,204 S	10/2008	Lithgow et al.
7,490,837 B2*	2/2009	Pond A61B 17/00
		280/47.35
D588,272 S *		Meiser D24/185
D606,202 S *	12/2009	Banryu D24/185
D613,866 S *	4/2010	Tanaka D24/185

D626,235	S	*	10/2010	Smith D24/158	
-				Ross D24/185	
D632,797	S	*	2/2011	Ross D24/185	
D643,535	S	*	8/2011	Ross D24/164	
(Continued)					

Primary Examiner — Holly Baynham Assistant Examiner — Rhea Shields

(74) Attorney, Agent, or Firm — Schiff Hardin LLP

## 57) CLAIM

The ornamental design for a ventilator, as shown and described.

## **DESCRIPTION**

FIG. 1 is a perspective view from a direction between a front and a right side of a ventilator with a screen pulled out;

FIG. 2 is a right side elevational view of the ventilator of FIG. 1.

FIG. 3 is a left side elevational view of the ventilator of FIG. 1.

FIG. 4 is a front elevational view of the ventilator of FIG. 1;

FIG. 5 is a rear elevational view of the ventilator of FIG. 1;

FIG. 6 is a top plan view of the ventilator of FIG. 1;

FIG. 7 is a bottom plan view of the ventilator of FIG. 1;

FIG. 8 is a perspective view from a direction between the front and the right side of the ventilator of FIG. 1 with the screen folded;

FIG. 9 is a right side elevational view of the ventilator of FIG. 8;

FIG. 10 is a left side elevational view of the ventilator of FIG. 8.

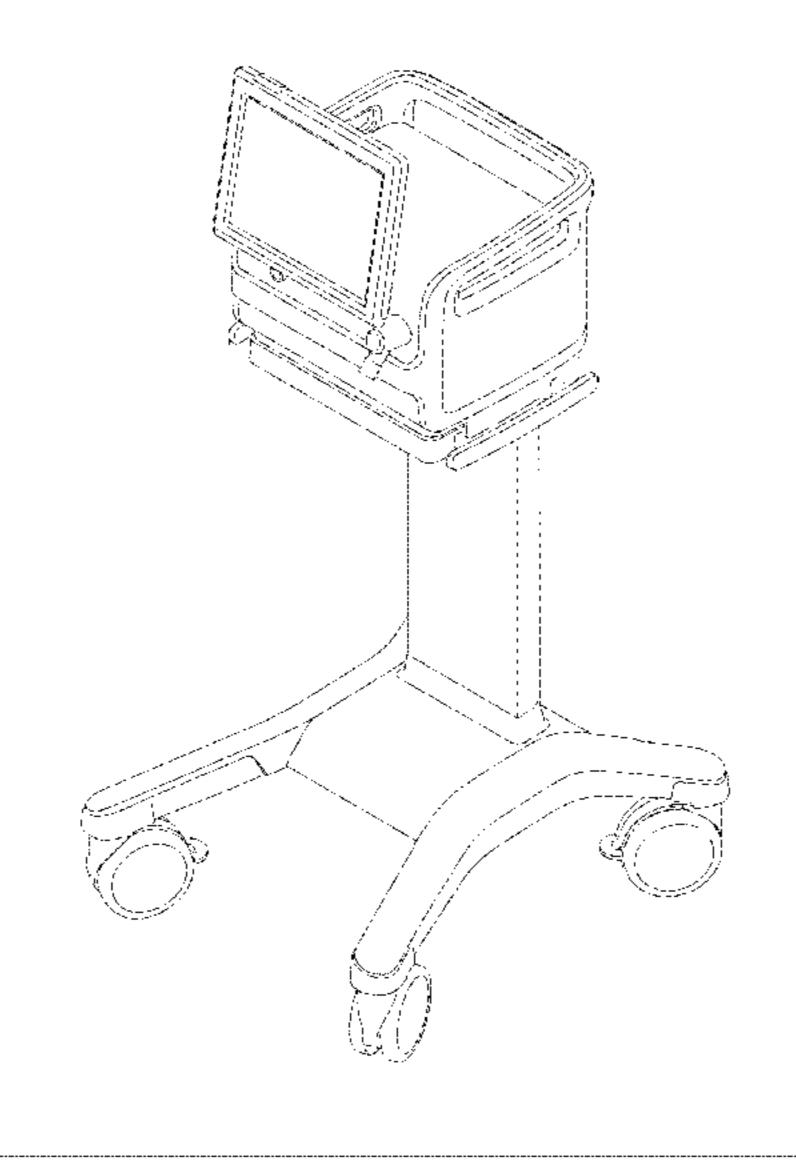
FIG. 11 is a front elevational view of the ventilator of FIG. 8;

FIG. 12 is a rear elevational view of the ventilator of FIG. 8;

FIG. 13 is a top plan view of the ventilator of FIG. 8; and,

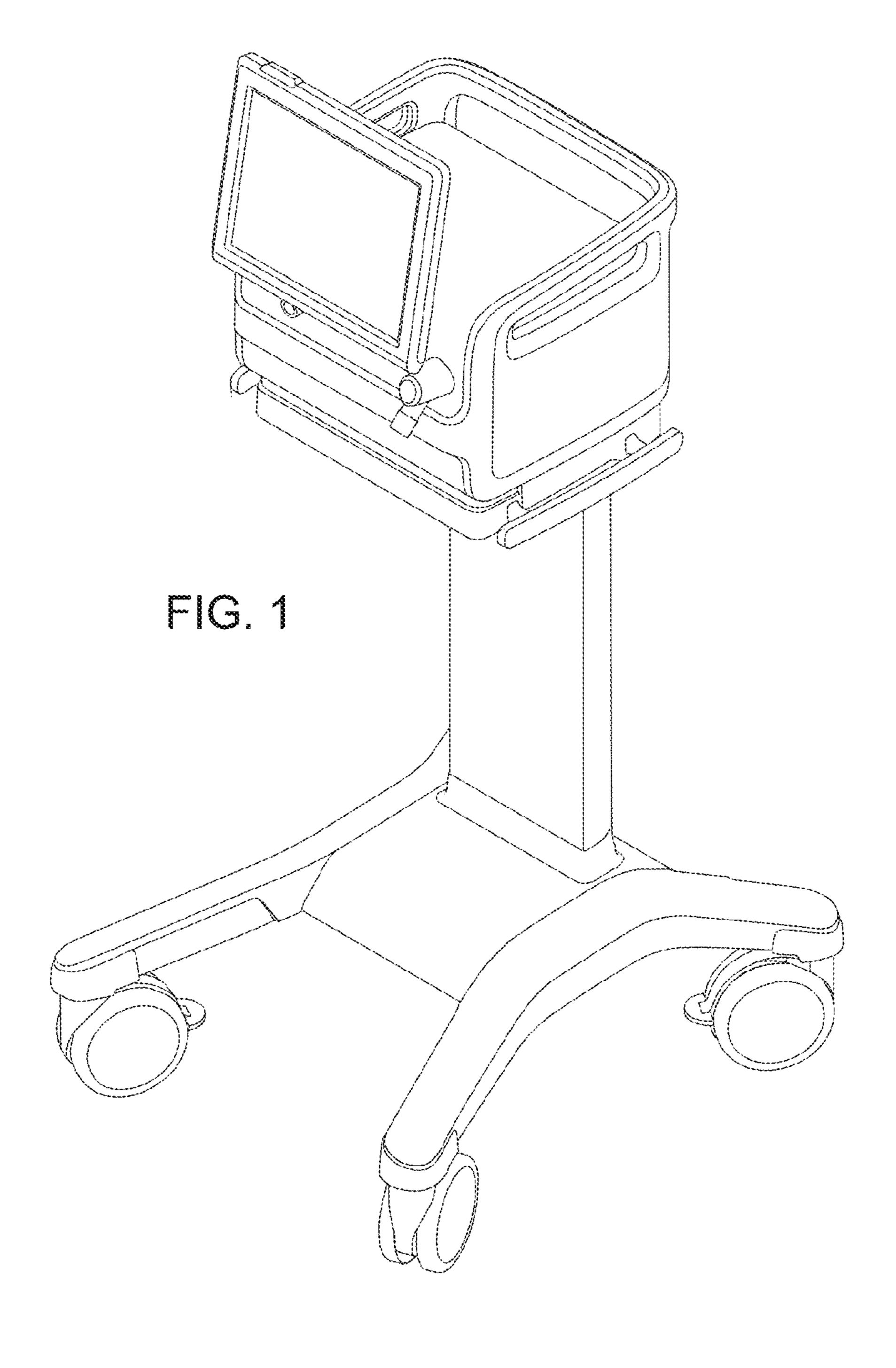
FIG. 14 is a bottom plan view of the ventilator of FIG. 8. In the drawings, the broken lines are for the purpose of illustrating environment only and form no part of the claimed design.

## 1 Claim, 14 Drawing Sheets

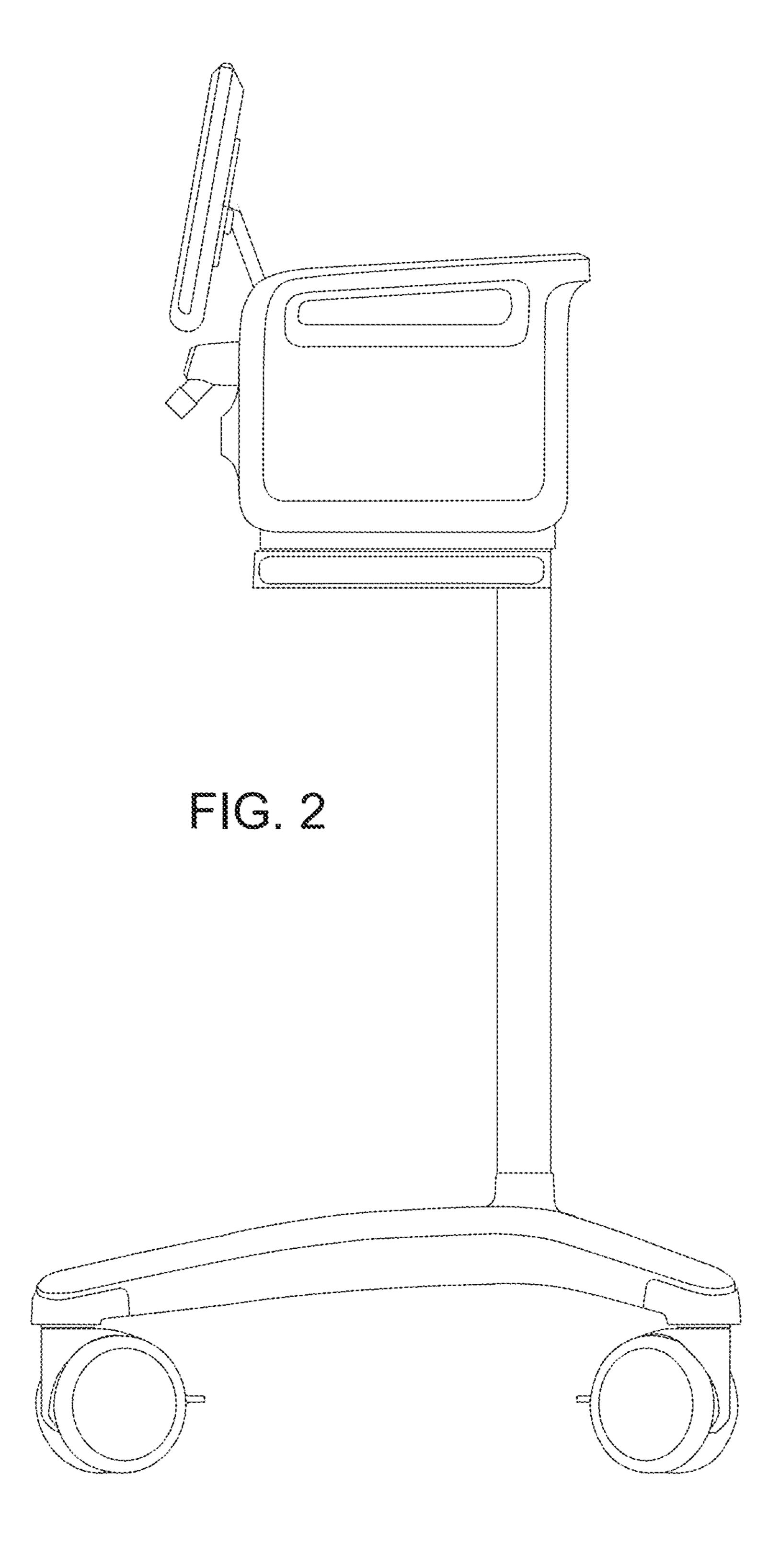


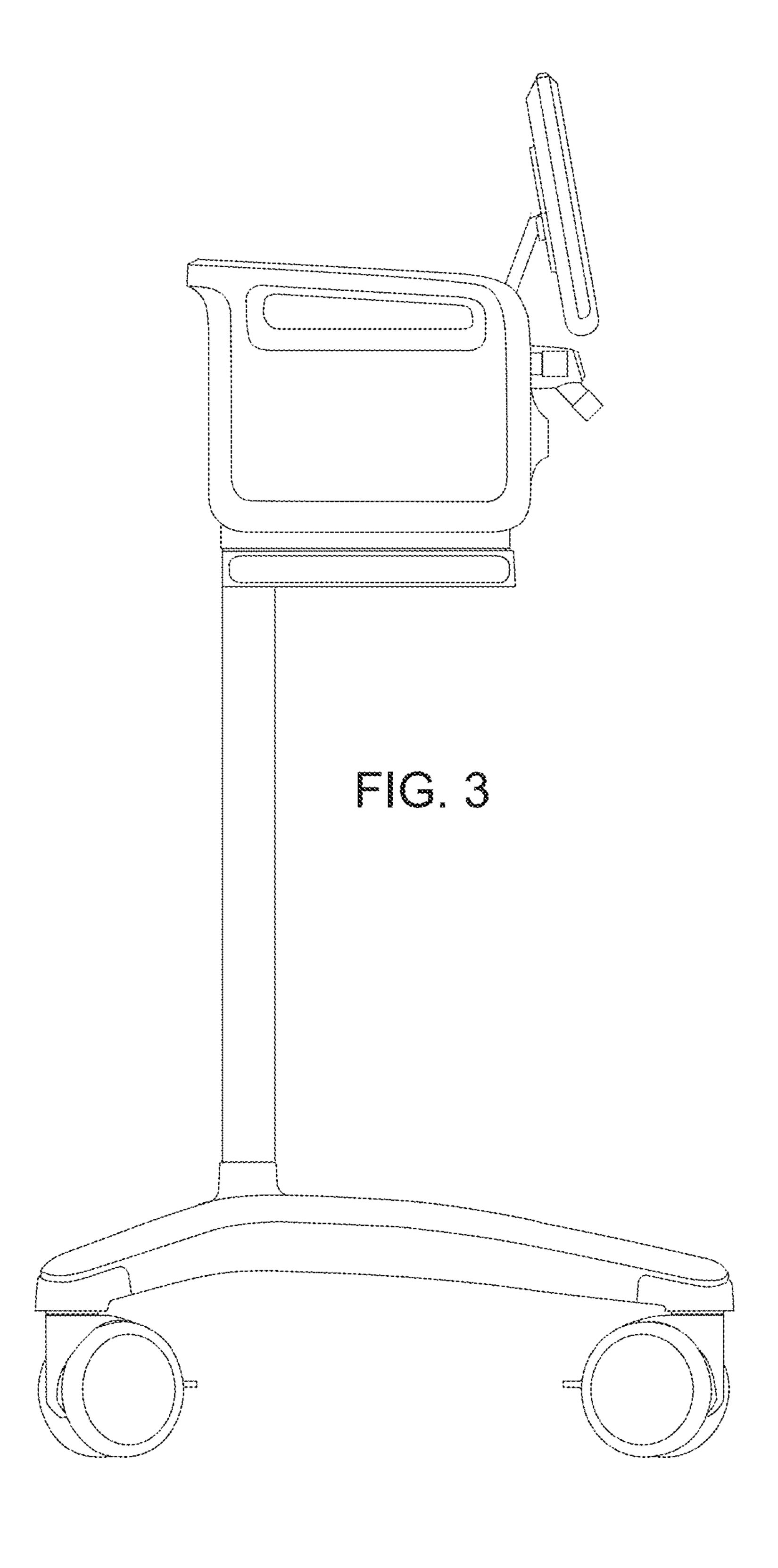
## US D764,669 S Page 2

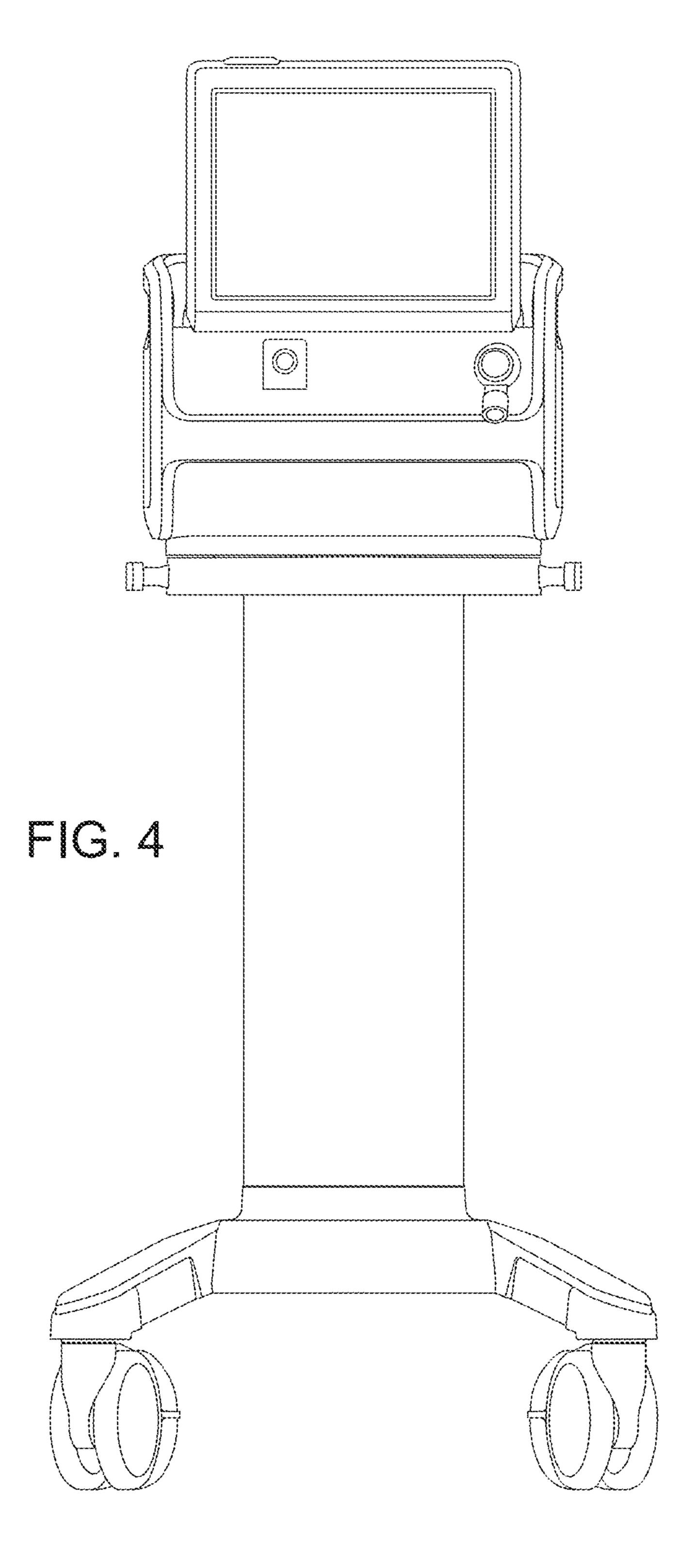
(56)			Referen	ces Cited	D700,704 S	3/2014	Kitt et al.
					D700,705 S	3/2014	Kitt et al.
	Ţ	IJ.S. 1	PATENT	DOCUMENTS	D700,706 S *	3/2014	Molter D24/185
					D702,840 S *	4/2014	Blomquist D24/164
	D648.855	S *	11/2011	Smith D24/158	D708,341 S	7/2014	Ikegame et al.
	D652,936			Ross	D720,165 S	12/2014	Kincaid et al.
	,			Schon	D720,854 S	1/2015	Kim
	/			Burz et al.	D722,696 S *	2/2015	Blomquist D24/164
	/			Ross A61M 16/0051	8,944,260 B2	2/2015	Hawkins
	-,,		57 <b>-</b> 5	280/47.34	D733,887 S *	7/2015	Blomquist D24/164
	8.286.977	B2 *	10/2012	Butler A61B 19/0248	D739,025 S *	9/2015	Blomquist D24/164
	-,,			280/47.34	D739,936 S *	9/2015	Blomquist D24/162
	D687,147	S *	7/2013	Yoshida D24/185	9,149,111 B1		
	D687,149		7/2013		2003/0140822 A1	7/2003	Seiler et al.
	D696,395			Burz et al.	2005/0288571 A1*	12/2005	Perkins A61B 5/0002
	D696,783			Chung D24/185			600/407
	D697,626	S		Laplante et al.	2011/0056412 A1*	3/2011	Grammer A45C 9/00
	D698,448		1/2014	<b>-</b> .			108/6
	D699,356	S	2/2014	Patil			
	D699,852	S *	2/2014	Chung D24/158	* cited by examiner		



Aug. 23, 2016







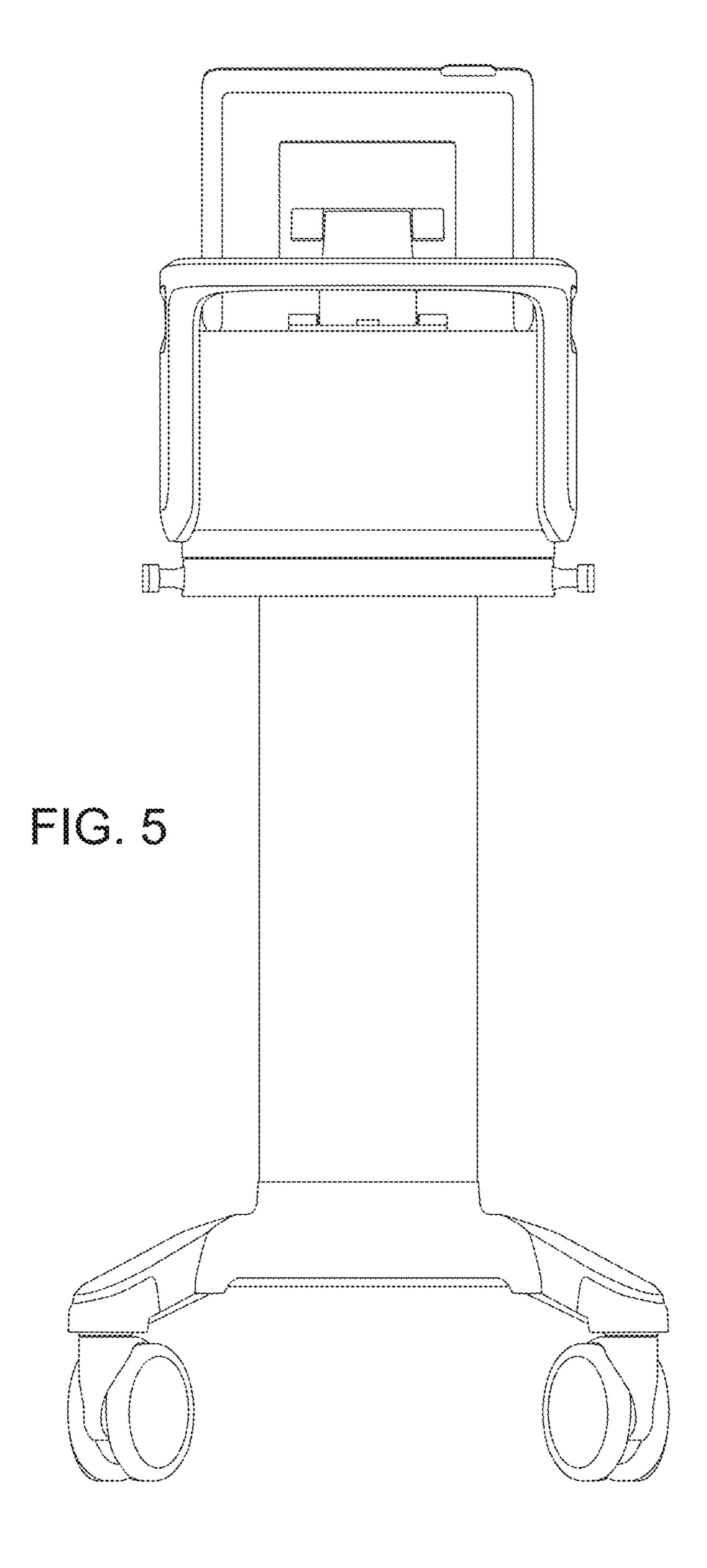


FIG. 6

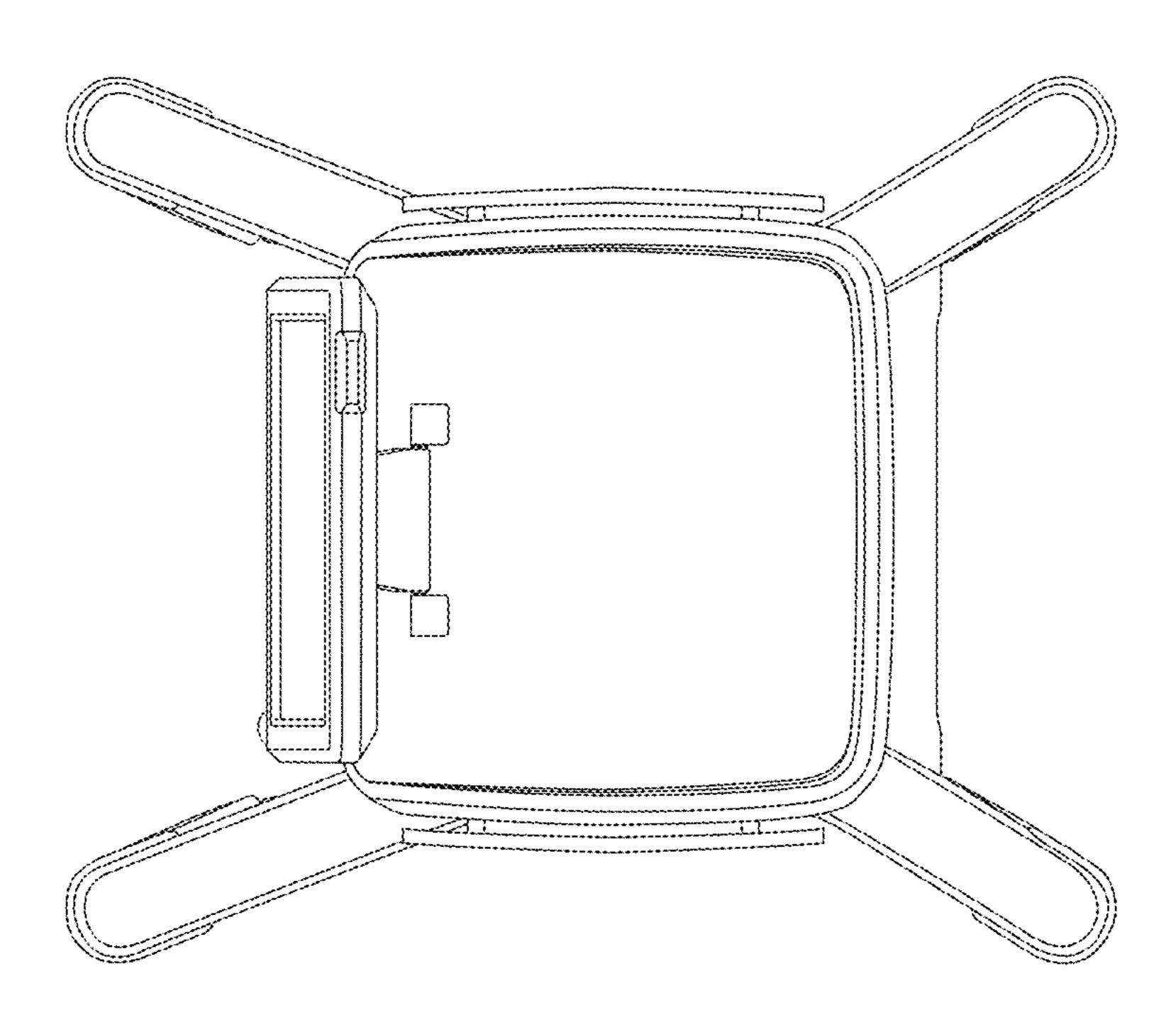
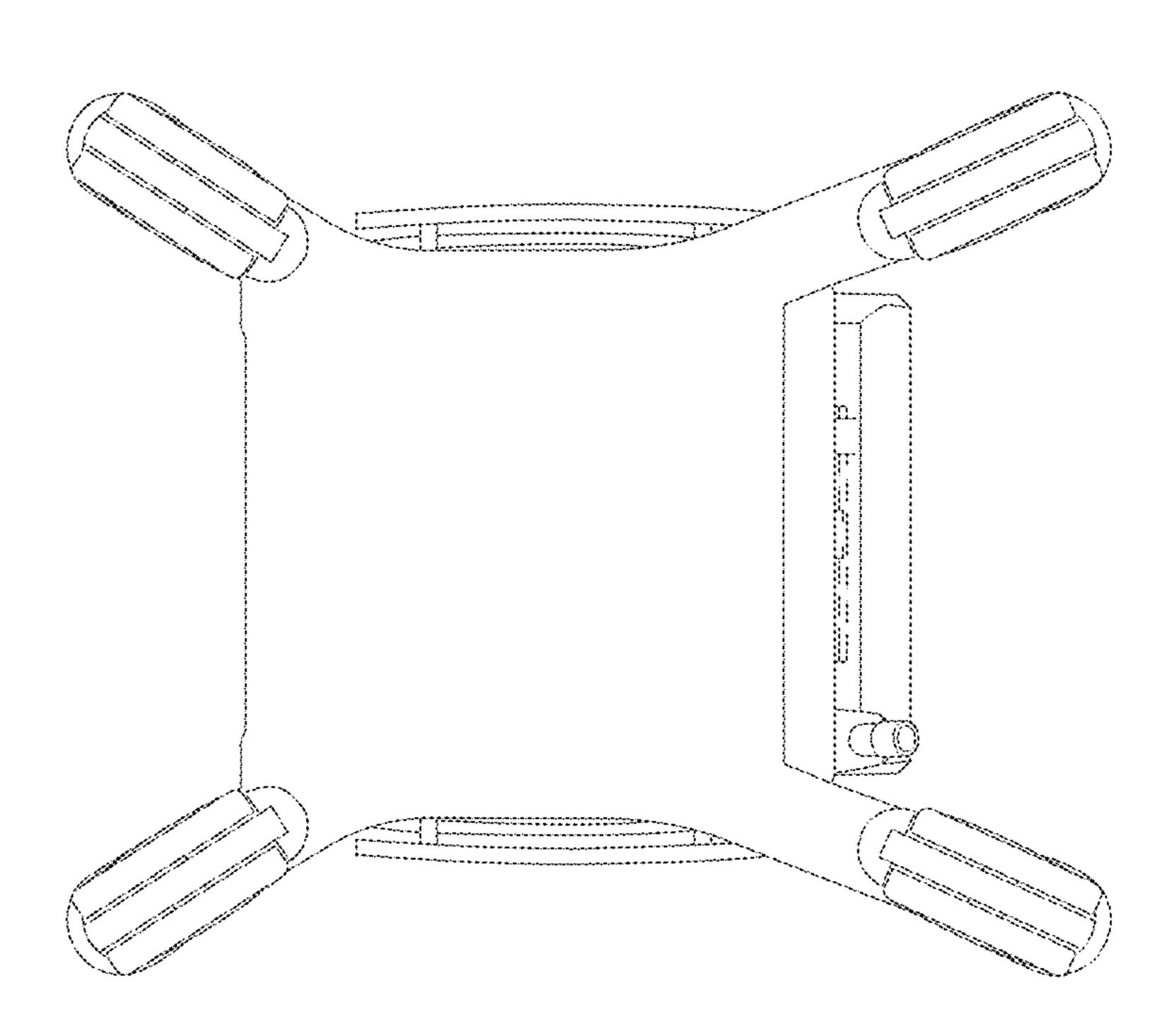
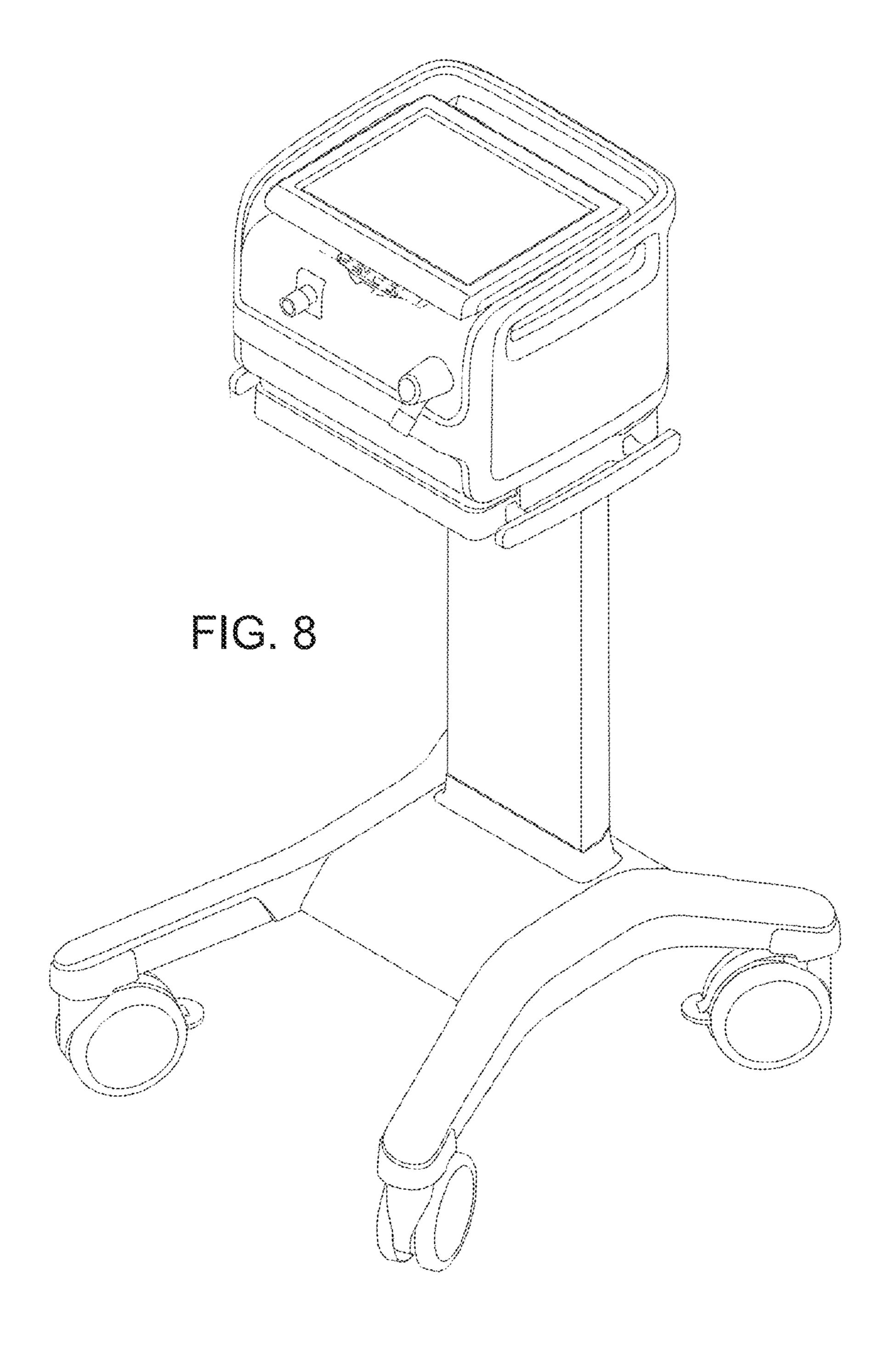
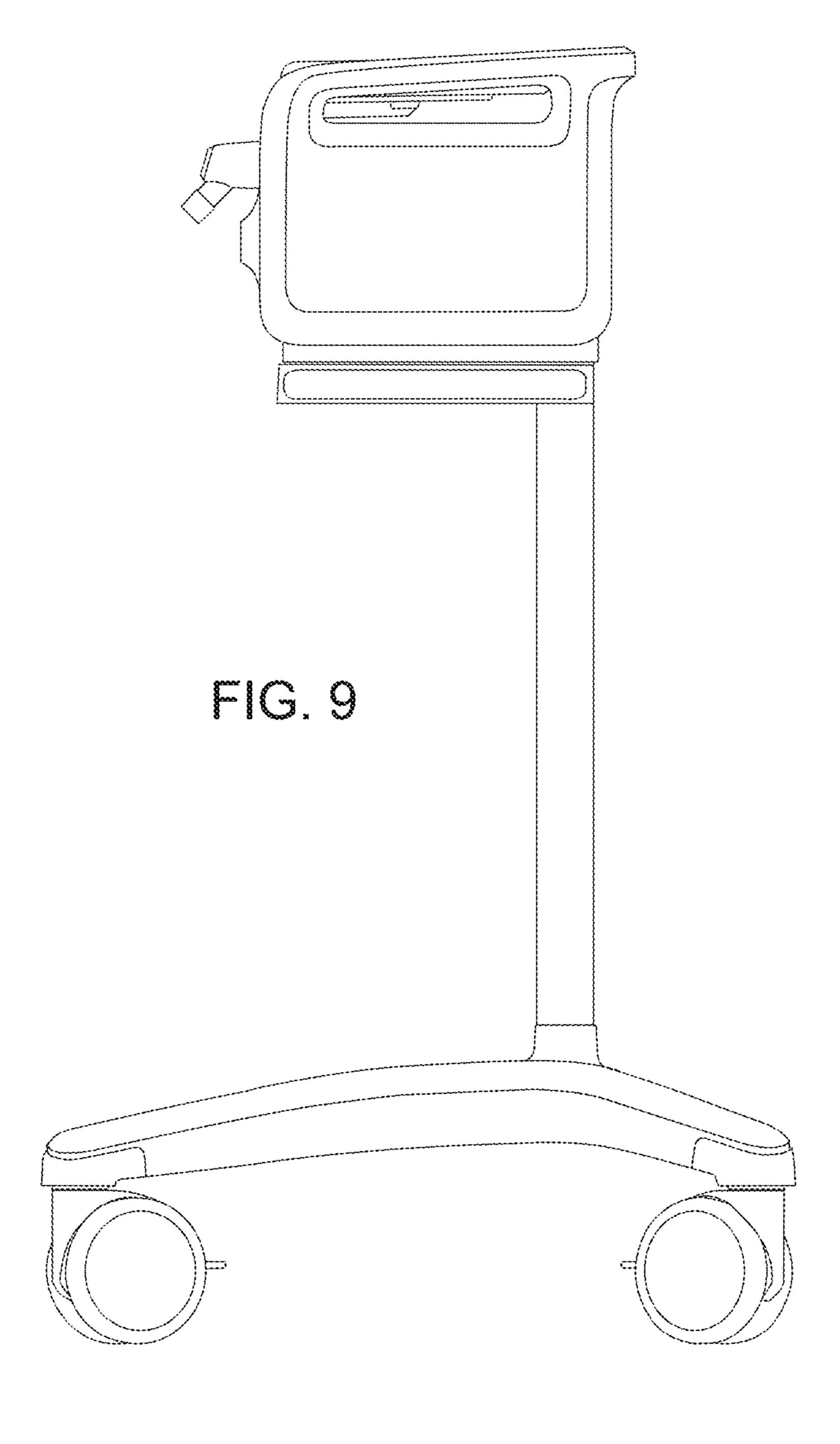
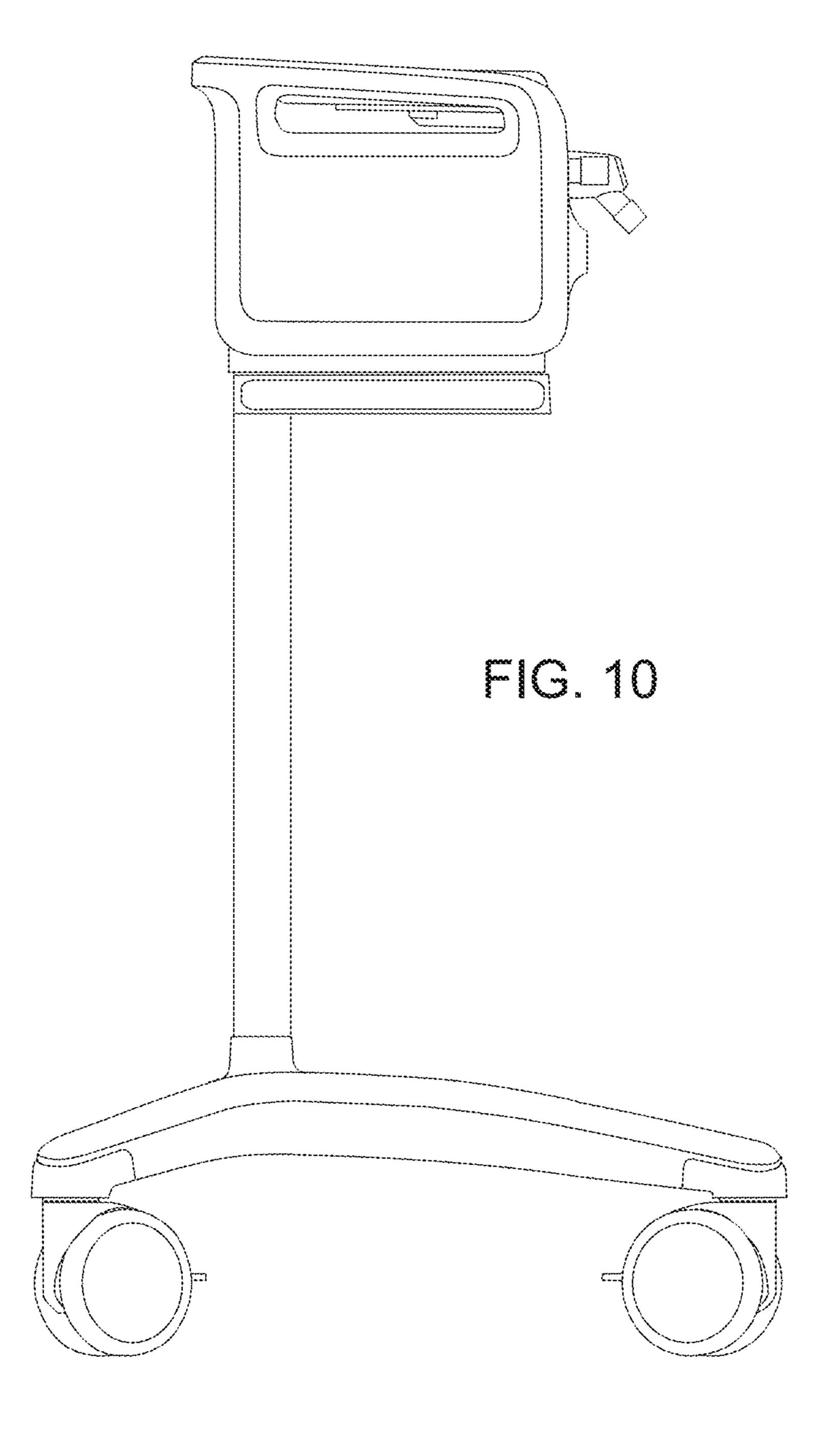


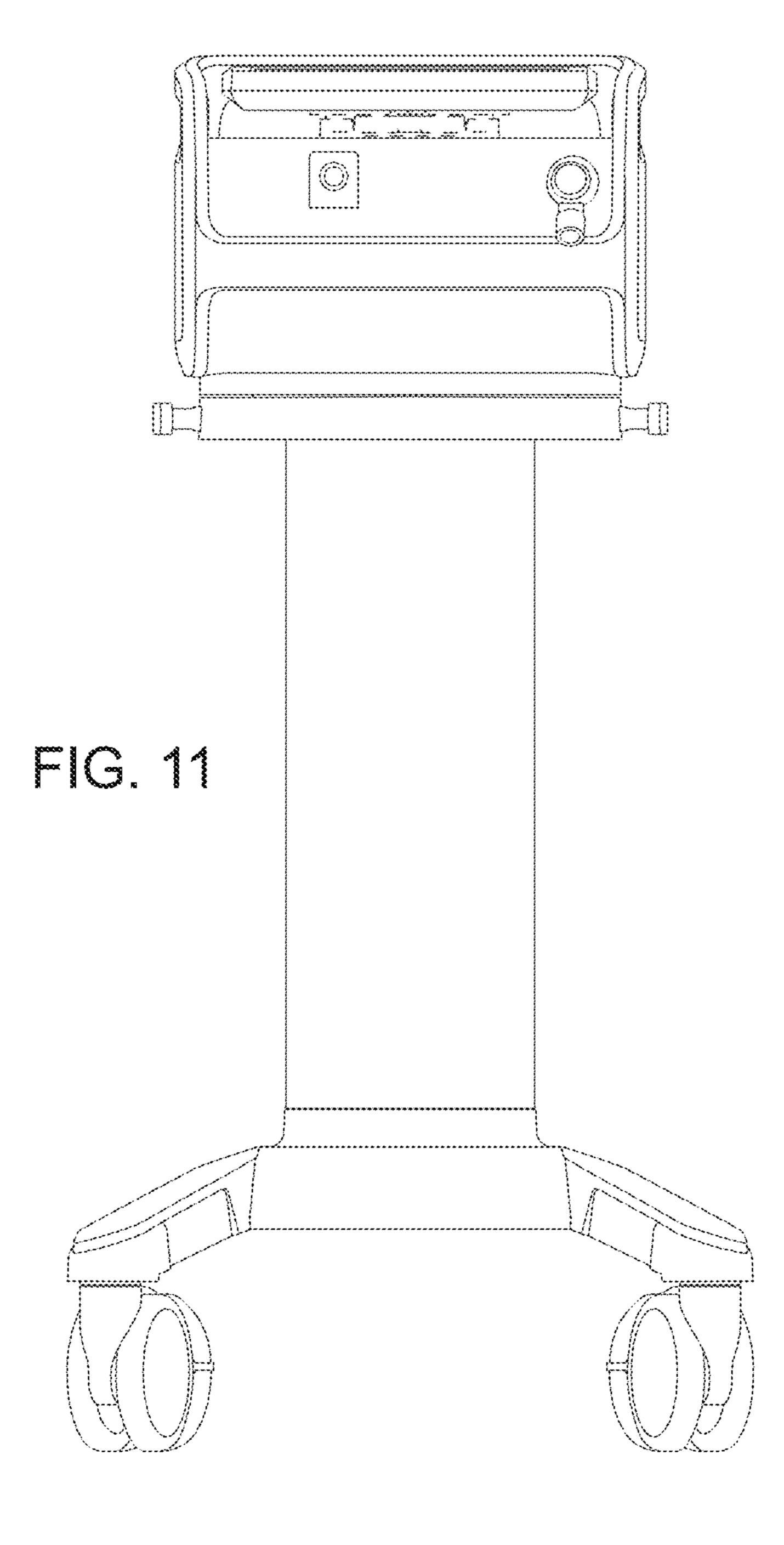
FIG. 7











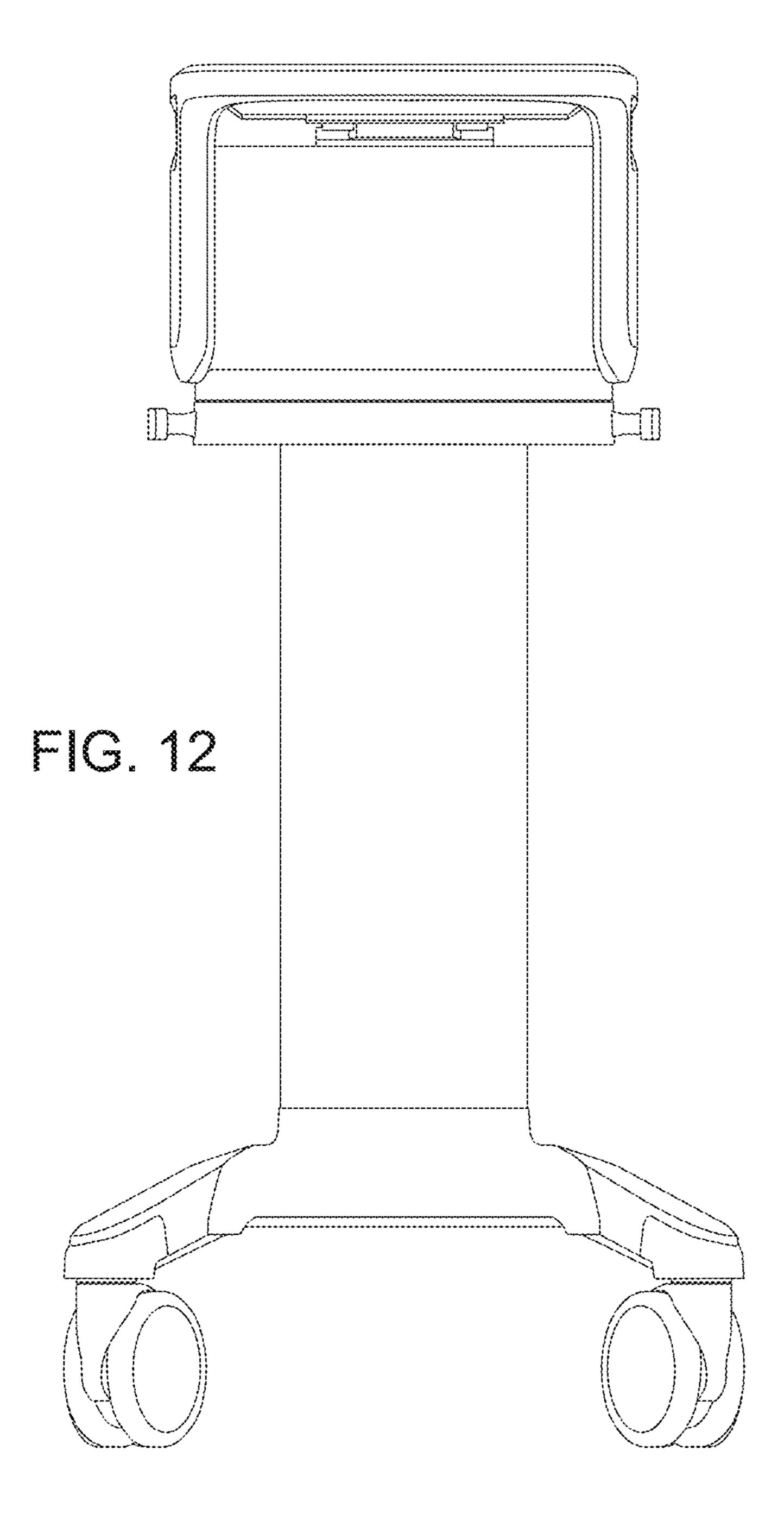


FIG. 13

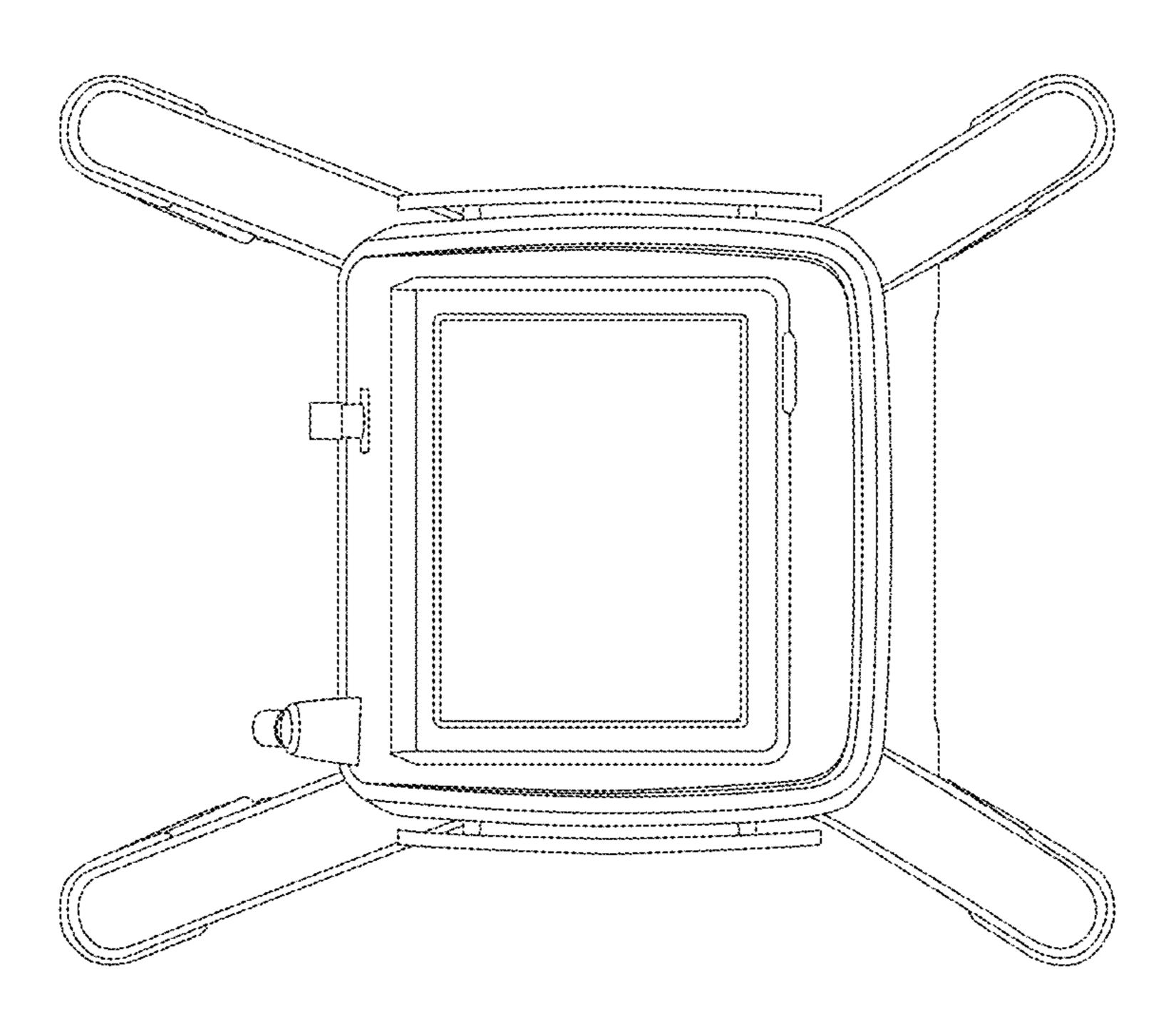
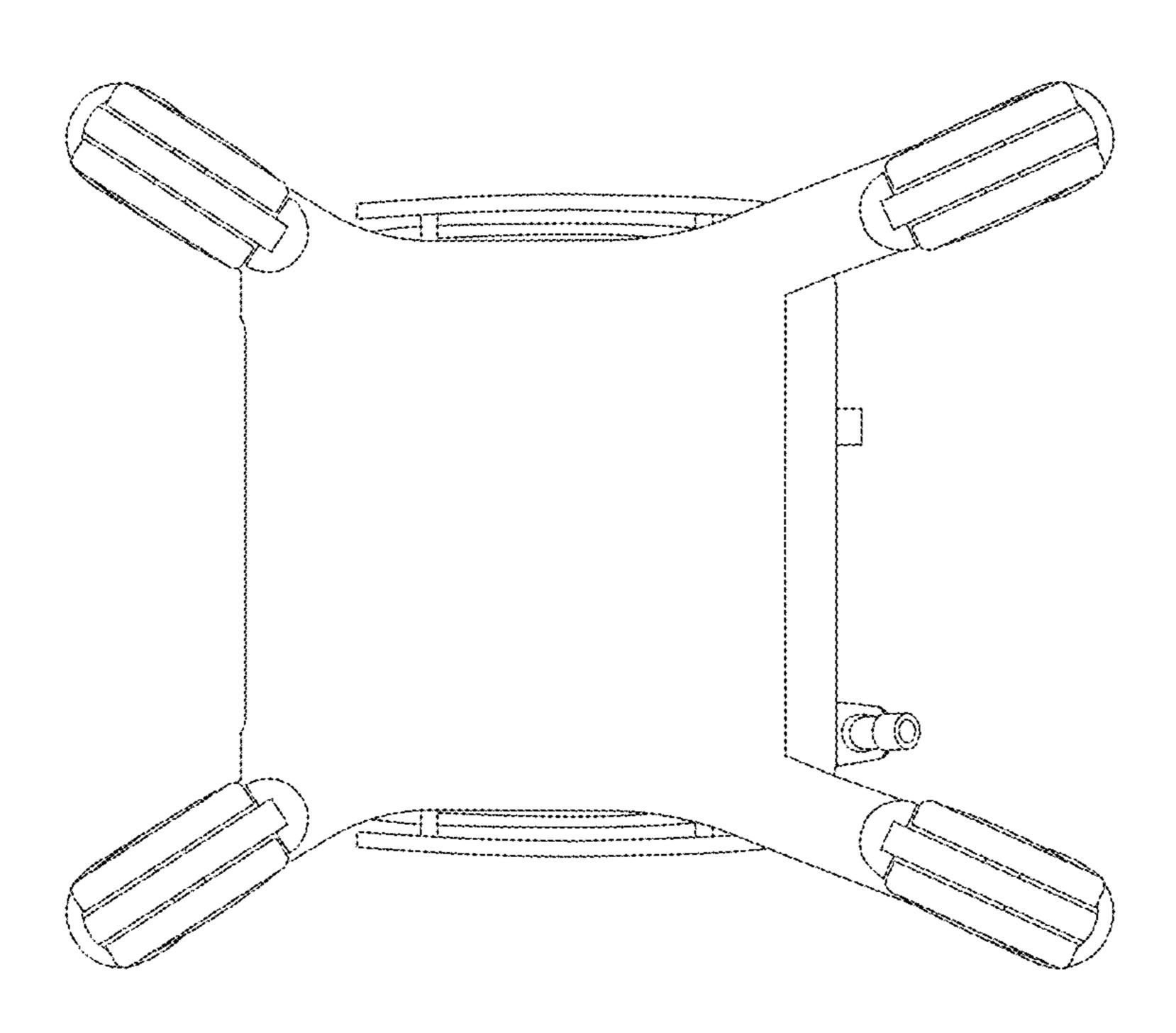


FIG. 14



# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : D764,669 S

APPLICATION NO. : 29/519356

DATED : August 23, 2016

INVENTOR(S) : Martin Birath et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete the title page and substitute therefore with the attached title page consisting of the corrected illustrative figure(s).

In the Drawings:

Please replace FIGS. 1-14 with FIGS. 1-14 as shown on the attached pages.

In the Specification:

After the last paragraph, please add the following new paragraph:

High-quality copies of the drawings of Figures 1-14 are available in the U.S. Patent and Trademark Office's electronic record of this patent.

Signed and Sealed this Eighth Day of November, 2016

Michelle K. Lee

Michelle K. Lee

Director of the United States Patent and Trademark Office

#### (12) United States Design Patent US D764,669 S (10) Patent No.: \*\* Aug. 23, 2016 (45) Date of Patent: Birath et al. D626,235 S \* 10/2010 Smith ....... D24/158 VENTILATOR - Applicants:**Martin Birath**, Lidingö (SE); **Kari**n D643.535 S \* 8/2011 Ross ....... D24/164 **Blomquist**, Sollentuna (SE): **Joha**ni (Commed) Renterholt, Balsta (SE) Primary Examiner Holly Baymiann Jeventors: Martin Birath, Lislingő (SE): Karin Assistant Examiner Rhea Shields Blomquist, Seilentena (SE); Johan (74) Attorney, Agent, or Firm - Schiff Hardin LLP Reuterholt, Balsia (SE)

#### $\{57\}$ CLAIM Assignee: Maquet Critical Care AB. Soina (SE)

Term: 14 Years

*{73}* 

- Appl. No.: **29/519,356**.

Filed: Mar. 4, 2015

#### (30)Foreign Application Priority Data

Sc	p. 12. 2014 (	EM)	e **! * * * * * * * * * * * * * * * * *	2537068
(51)	LOC (10) CL	1427555422277771122		24-08
(52)	<b>U.S. C1.</b>			
	USPC	*******************		D24/164
(58)	Field of Class	ification Sear	ch	
	3 (Q'3 <b>y</b> '):	8334750C	150 264	196 024 109.

280/47.34, 47.35; 600/407; 408/24, 6 CPC ...... A61M i6/0951; A61B 19/0241; A61B 5/0002; A613 37/00; A450 9/00 See application file for complete search listory.

#### (56)References Cited

## U.S. PATENT DOCUMENTS.

D486.915 S *	2/2004	Warschewske D24/185
D\$49.923 S	8/2007	Reckelhoff
D573,204 S	16/2008	Lithgow et al.
7,490,837 332 *	2/2009	Pond A61B 17:06
		289/47.35
D588,272 S *	3/2009	Meiser D24/185
D606,202 S *	12/2009	Вашуи D24/185
D613.866 S *	-4/2010	Tanaka

The ornamental design for a ventilator, as shown and described.

## DESCRIPTION

140. It is a perspective view from a direction between a front. and a right side of a ventilator with a screen pulled out:

FIG. 2 is a right side elevational view of the ventilator of FIG.

FIG. 3 is a left side elevational view of the ventilator of FIG.

FIG. 4 is a front elevational view of the ventilator of FIG. 1;

FRG. 5 is a rear elevational view of the ventilator of FIG. 1:

131G. 6 is a top plan view of the ventilator of FIG. 1;

FIG. 7 is a bottom plan view of the ventilator of FIG. Ic

FRG. 8 is a perspective view from a direction between the front and the right side of the ventilator of FIG. I with the screen. folded;

FIG. 9 is a right side elevational view of the ventilator of FIG.

FKG. 10 is a left side elevational view of the ventilmor of FKG.

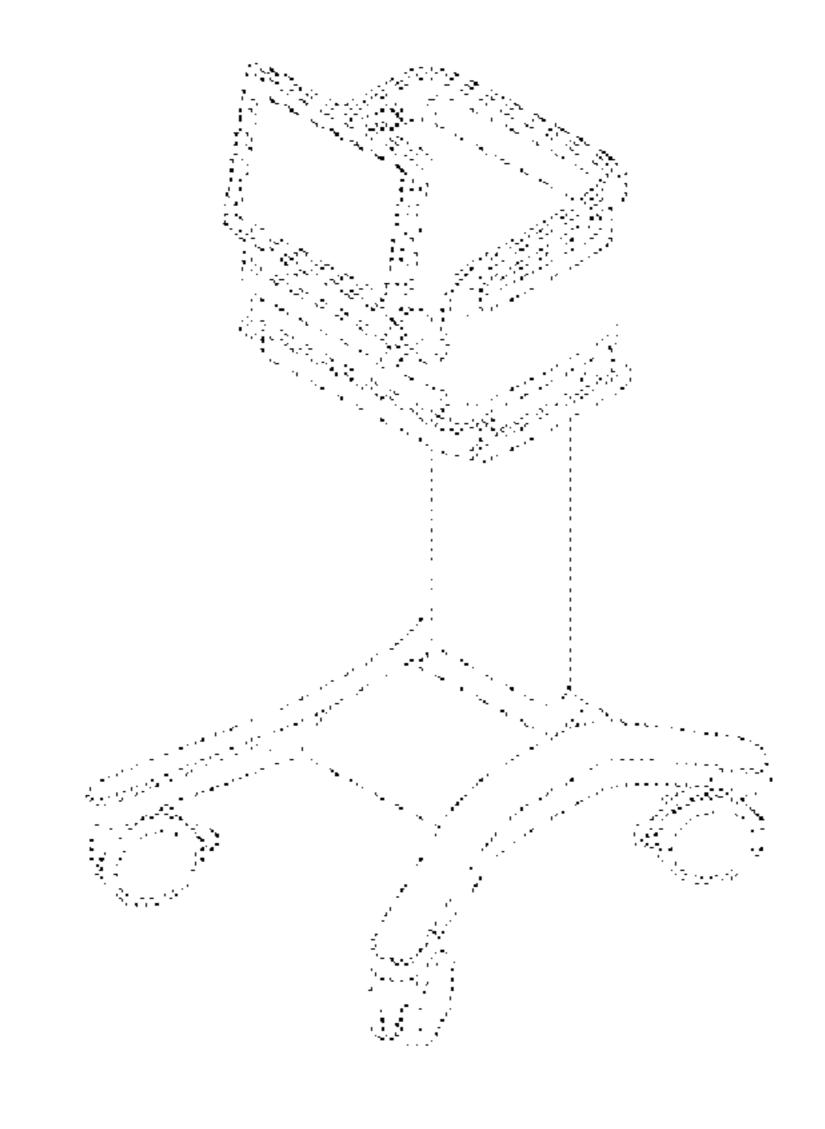
FIG. 11 is a front elevational view of the ventilator of FIG. 8:

FIG. 12 is a rear elevational view of the ventilator of FIG. 8;

FIG. 13 is a top plan view of the ventilator of FIG. 8; and,

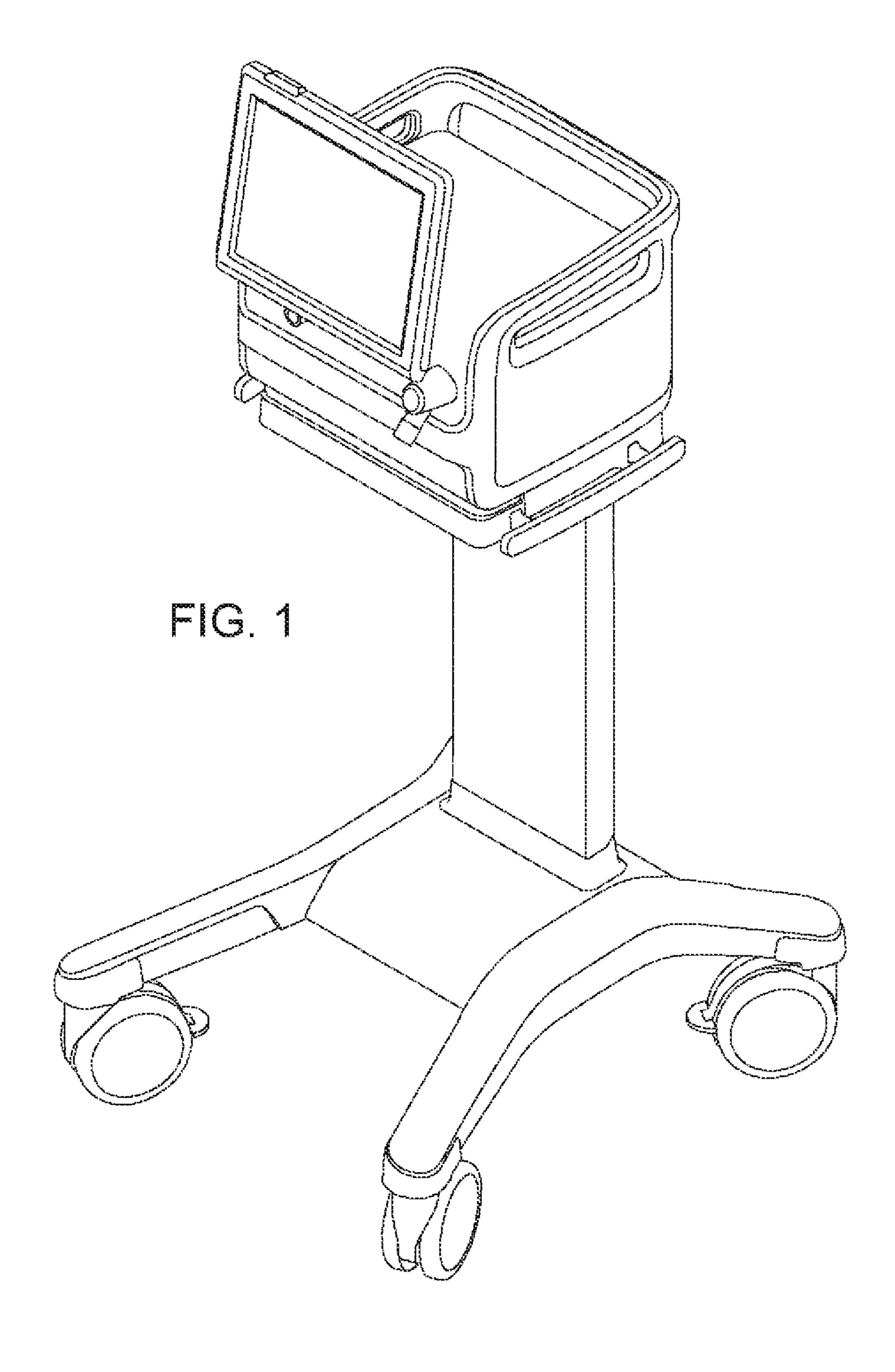
FIG. 14 is a bottom plan view of the ventilator of FIG. 8. in the drawings, the broken lines are for the purpose of illustrating environment only and form no part of the claimed design.

## 1 Claim, 14 Drawing Sheets



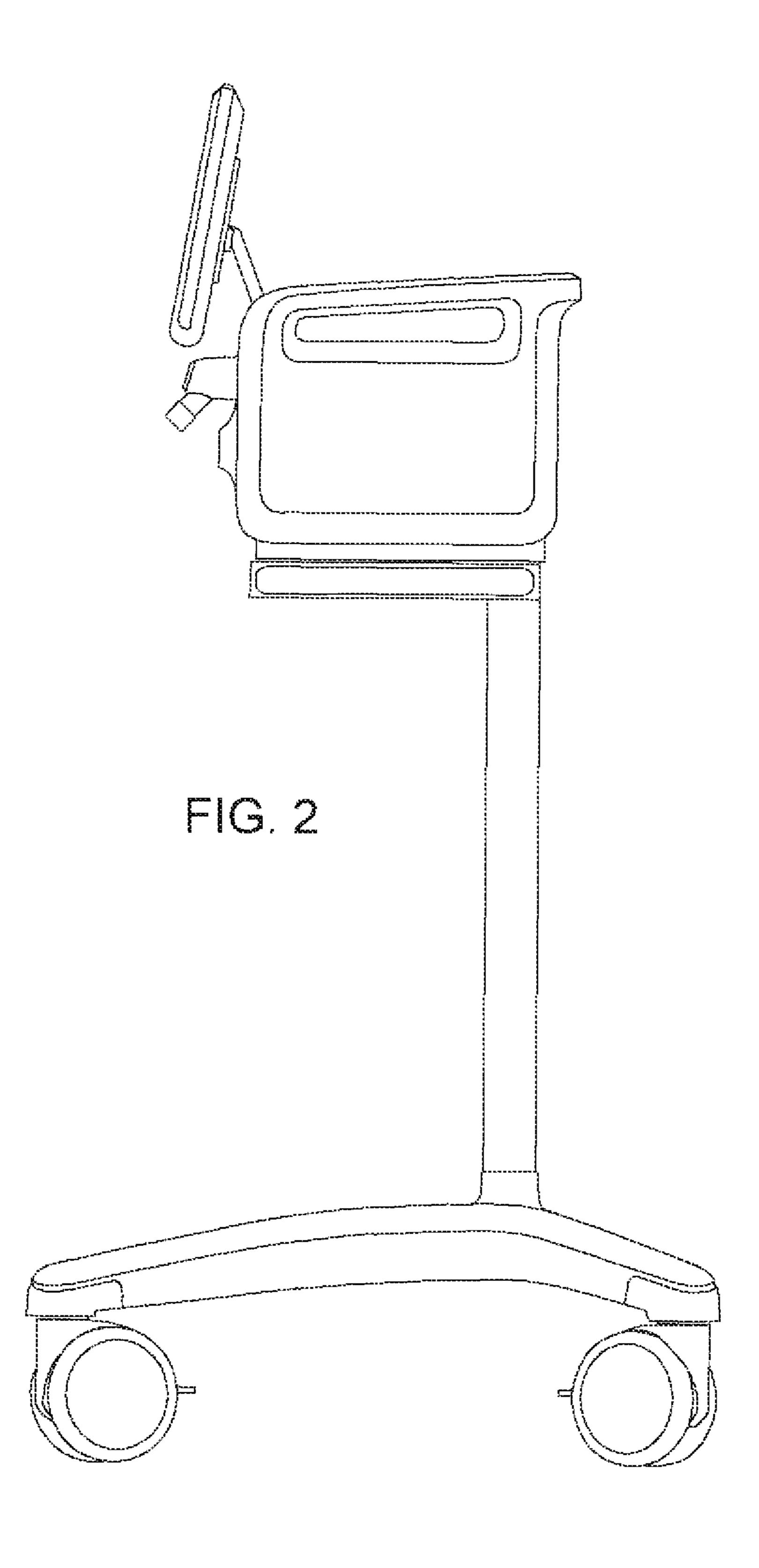
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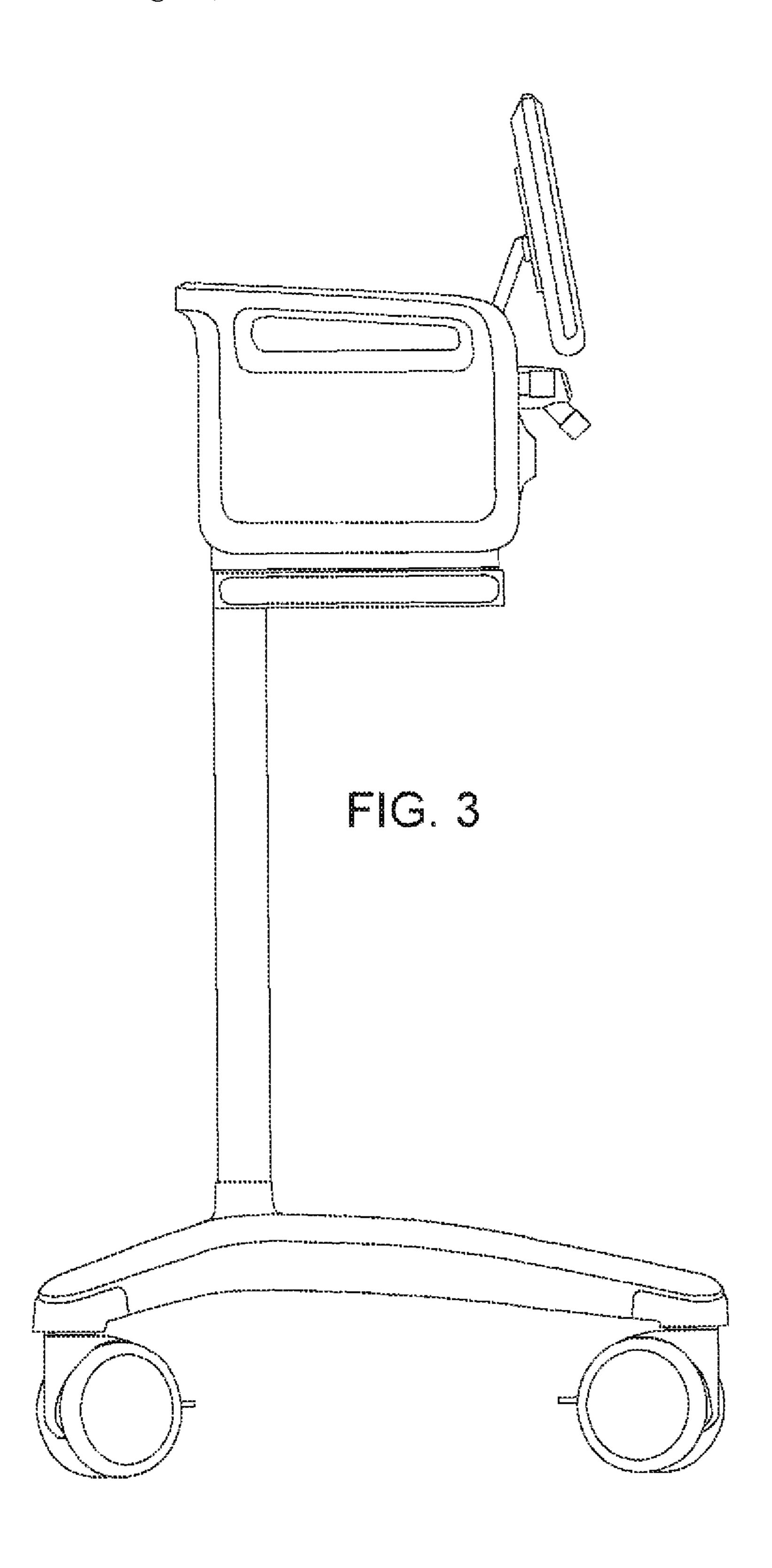
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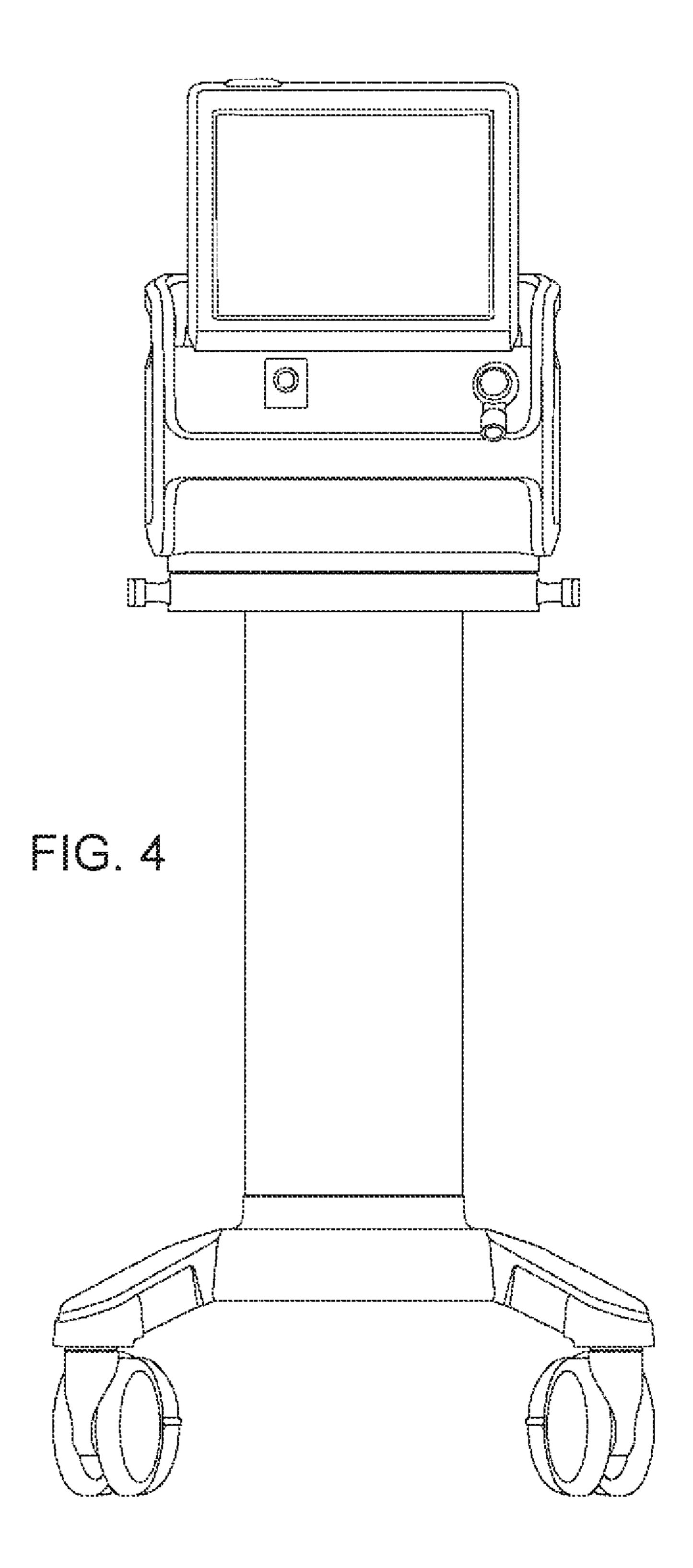
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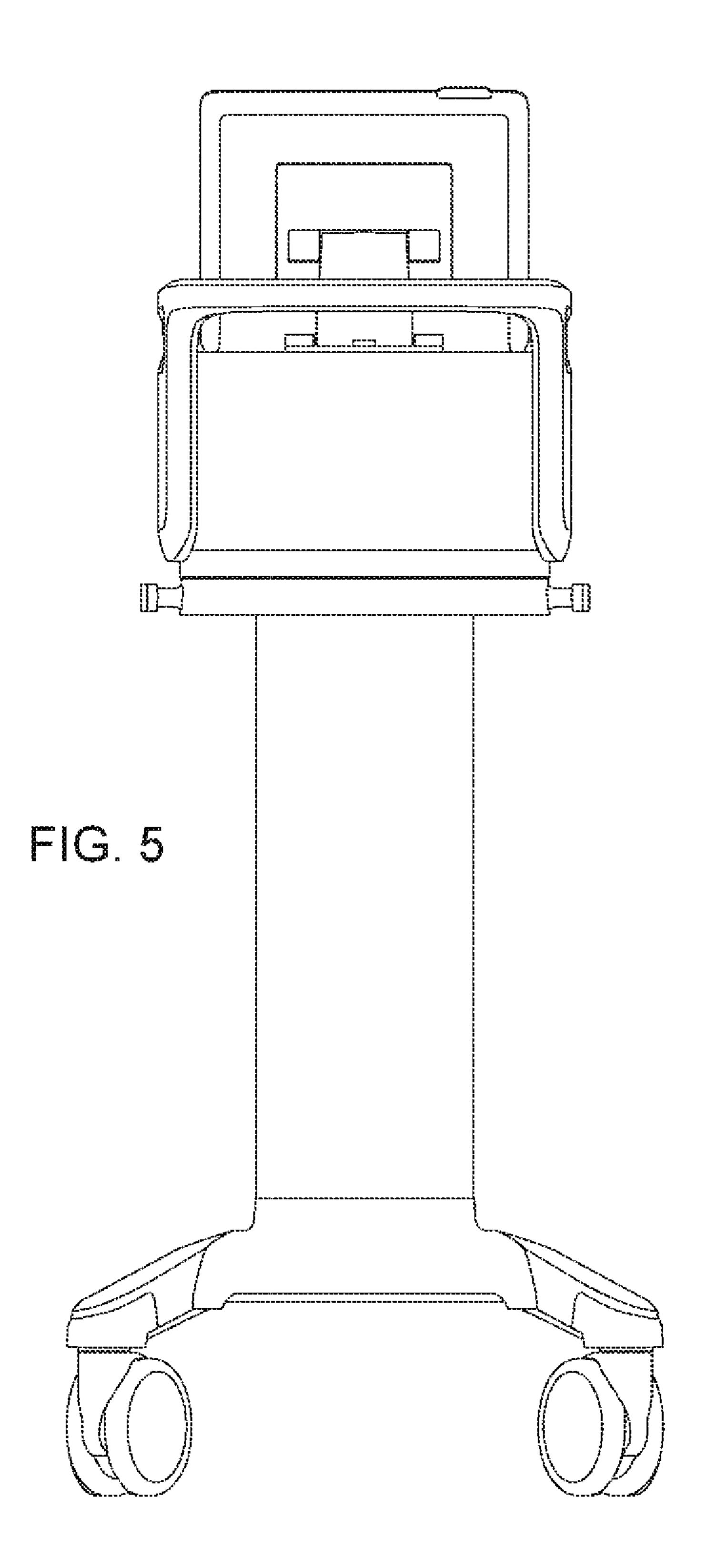
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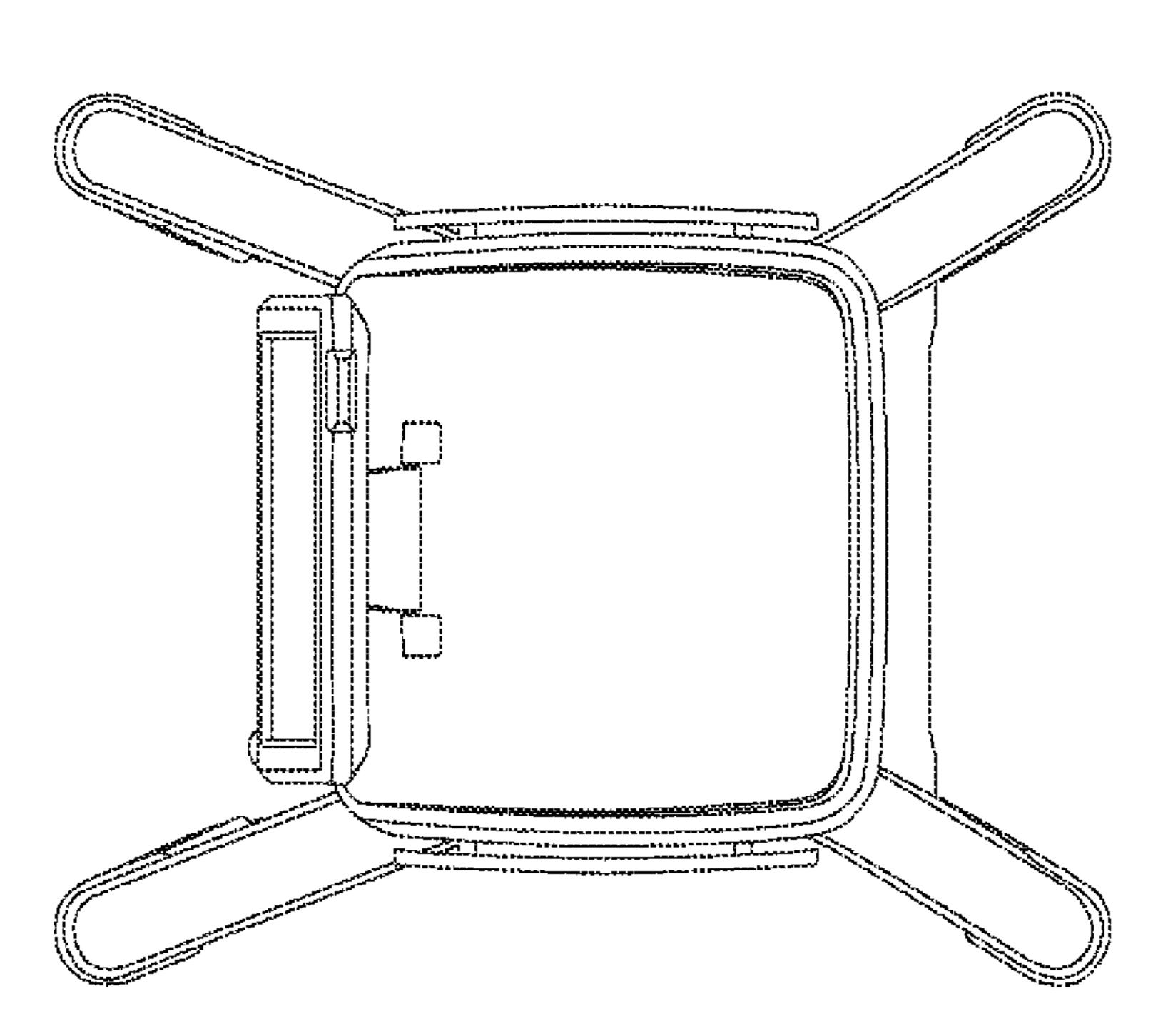
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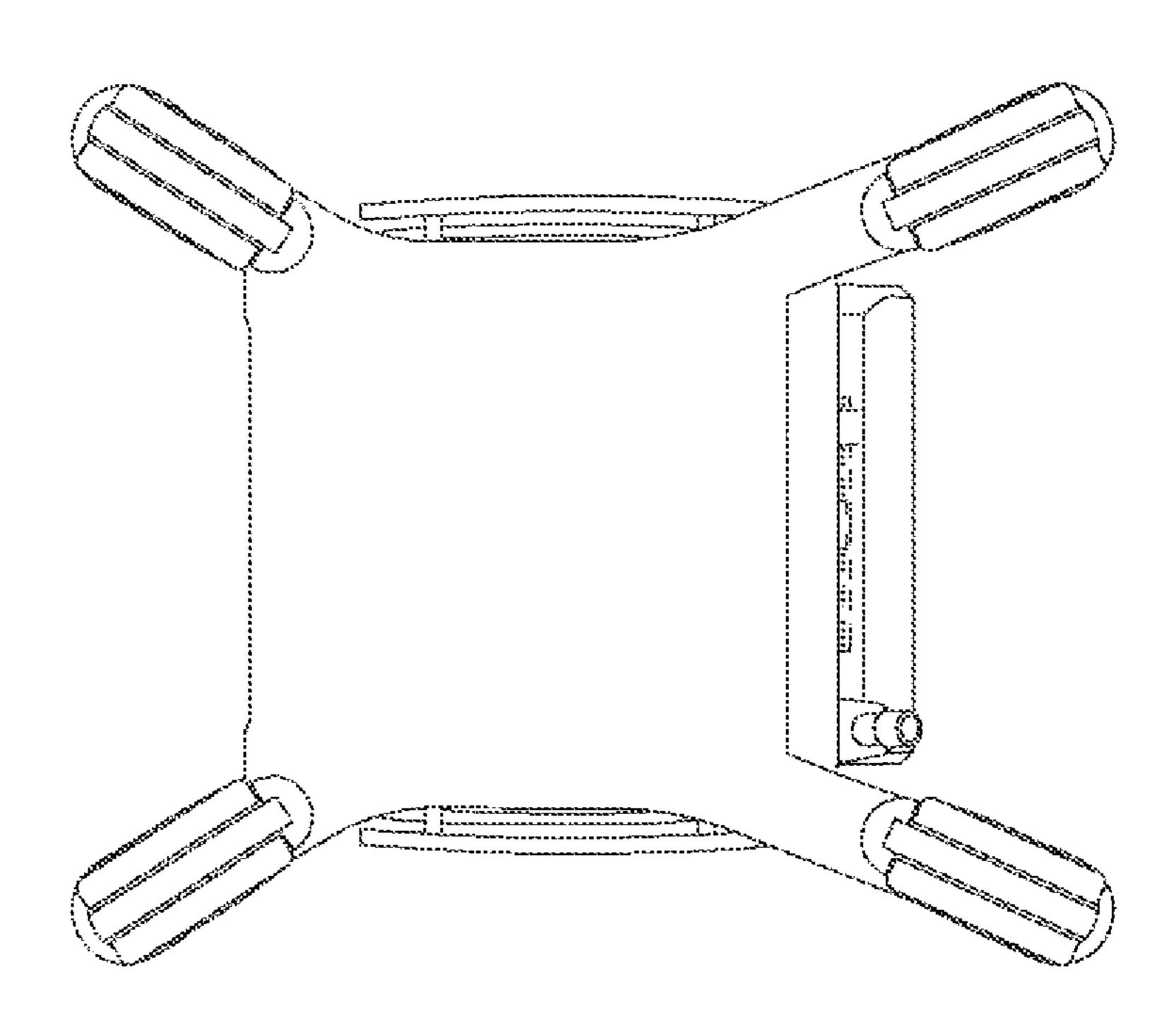
FIG. 6



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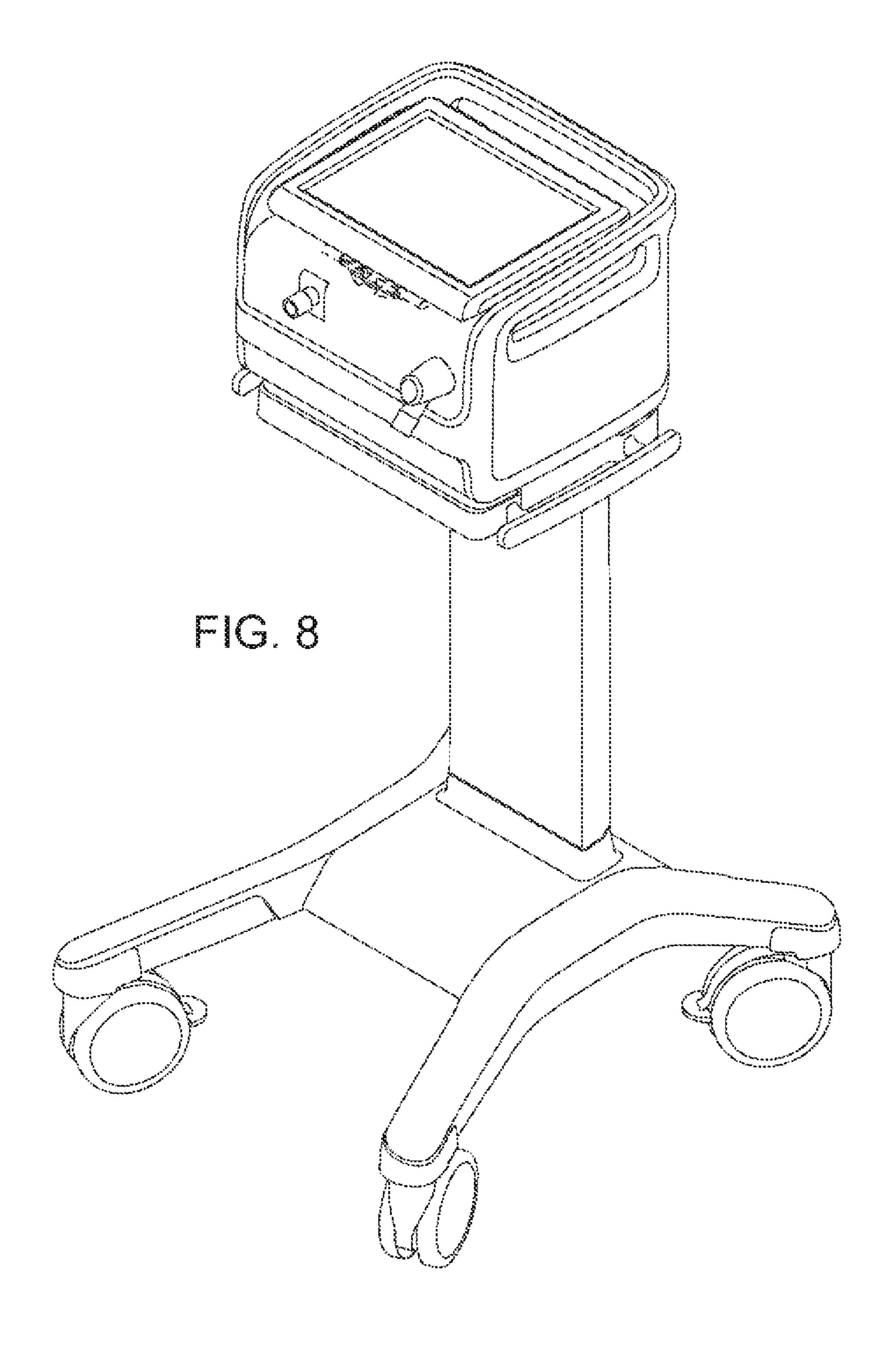
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FIG. 7



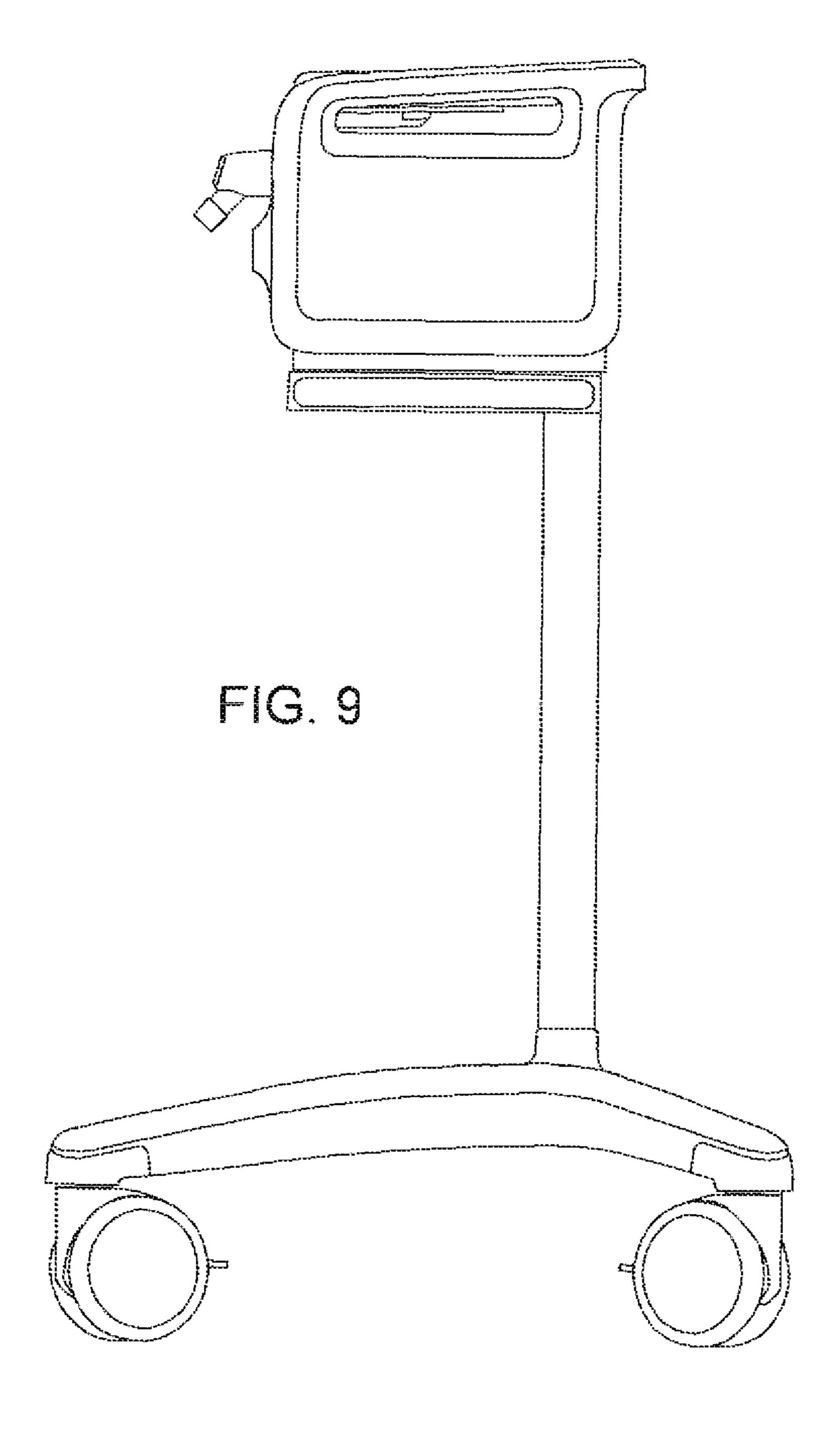
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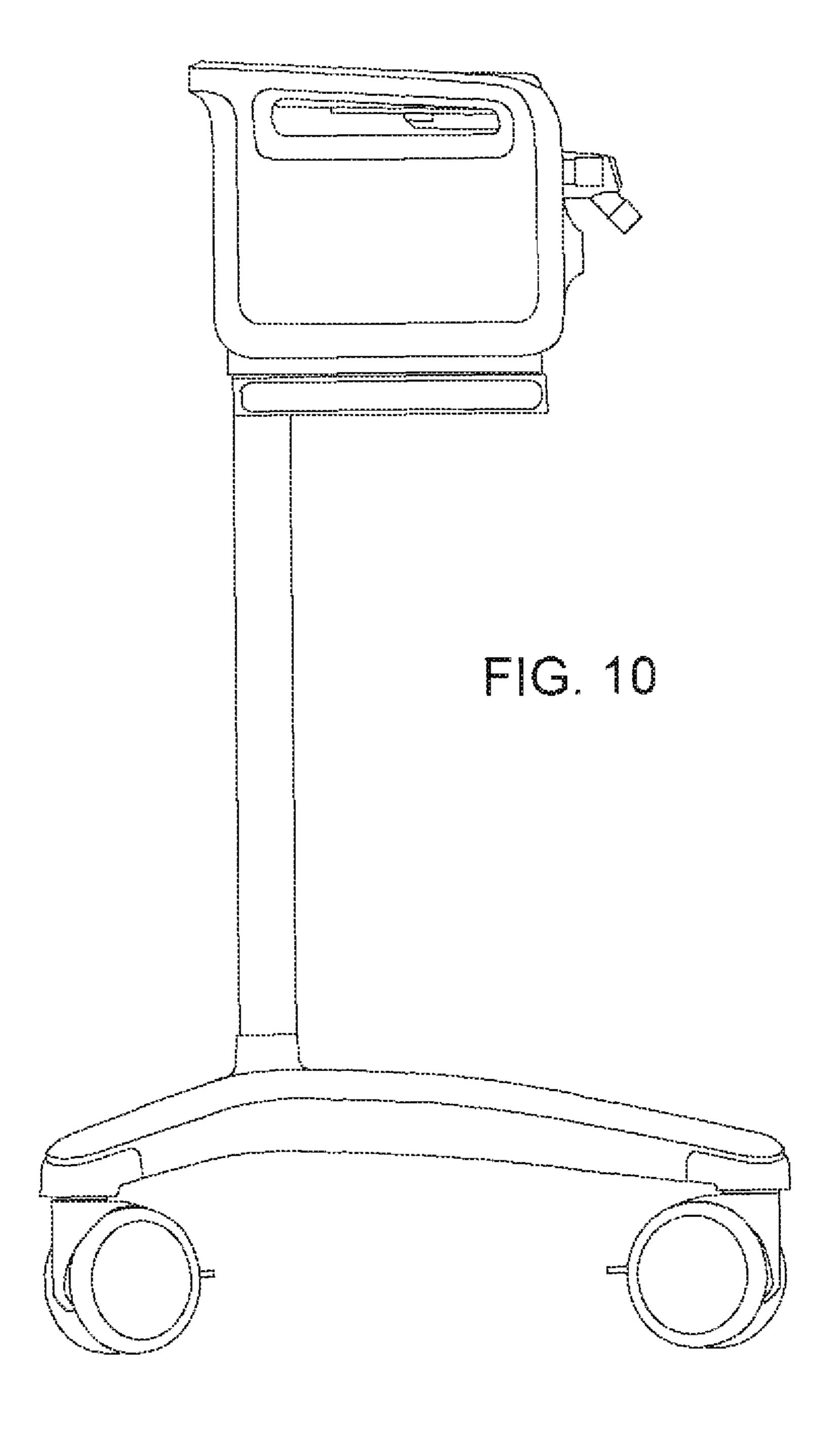
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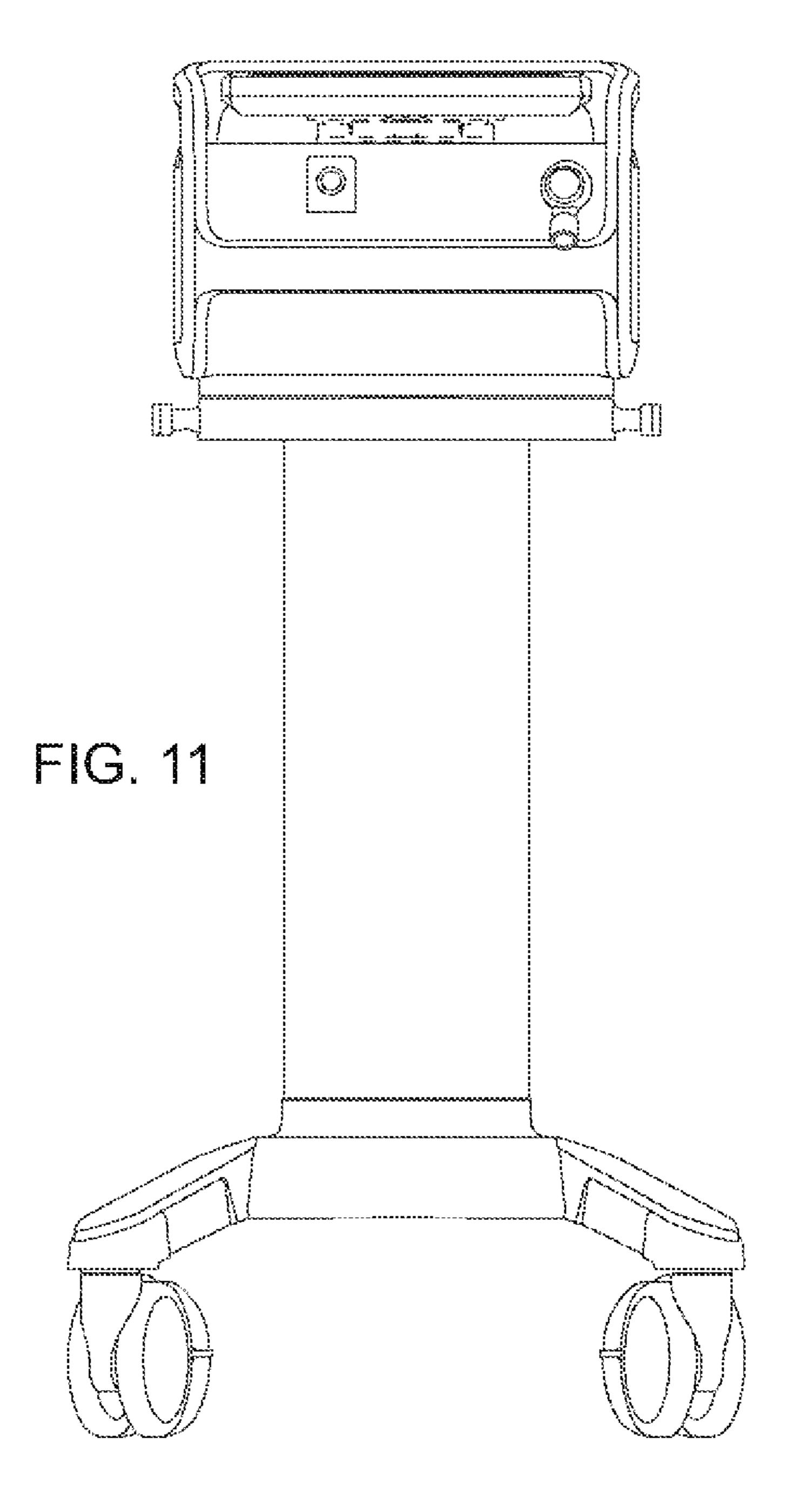
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**Sheet 10 of 14** 



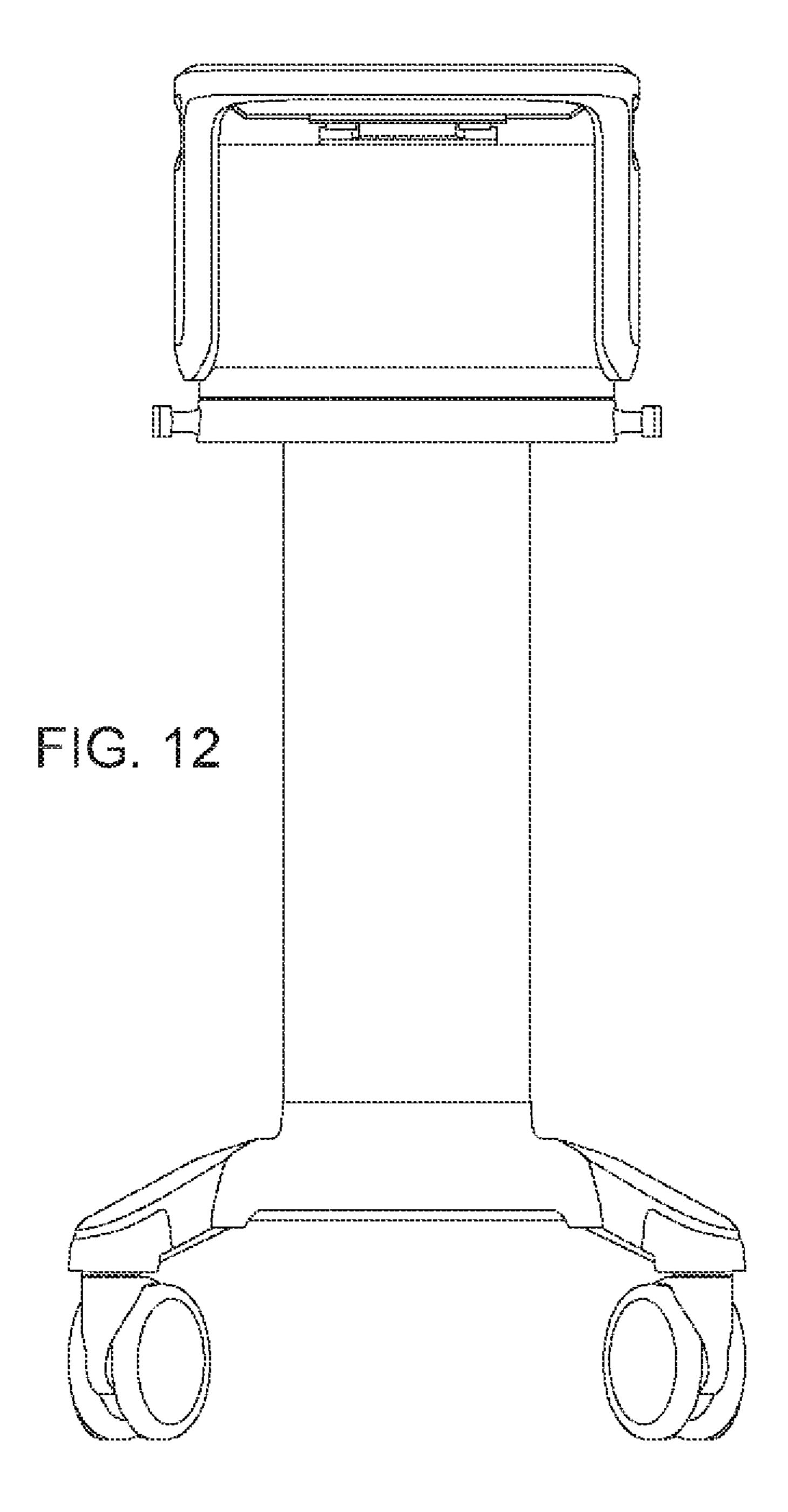
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**Sheet 11 of 14** 



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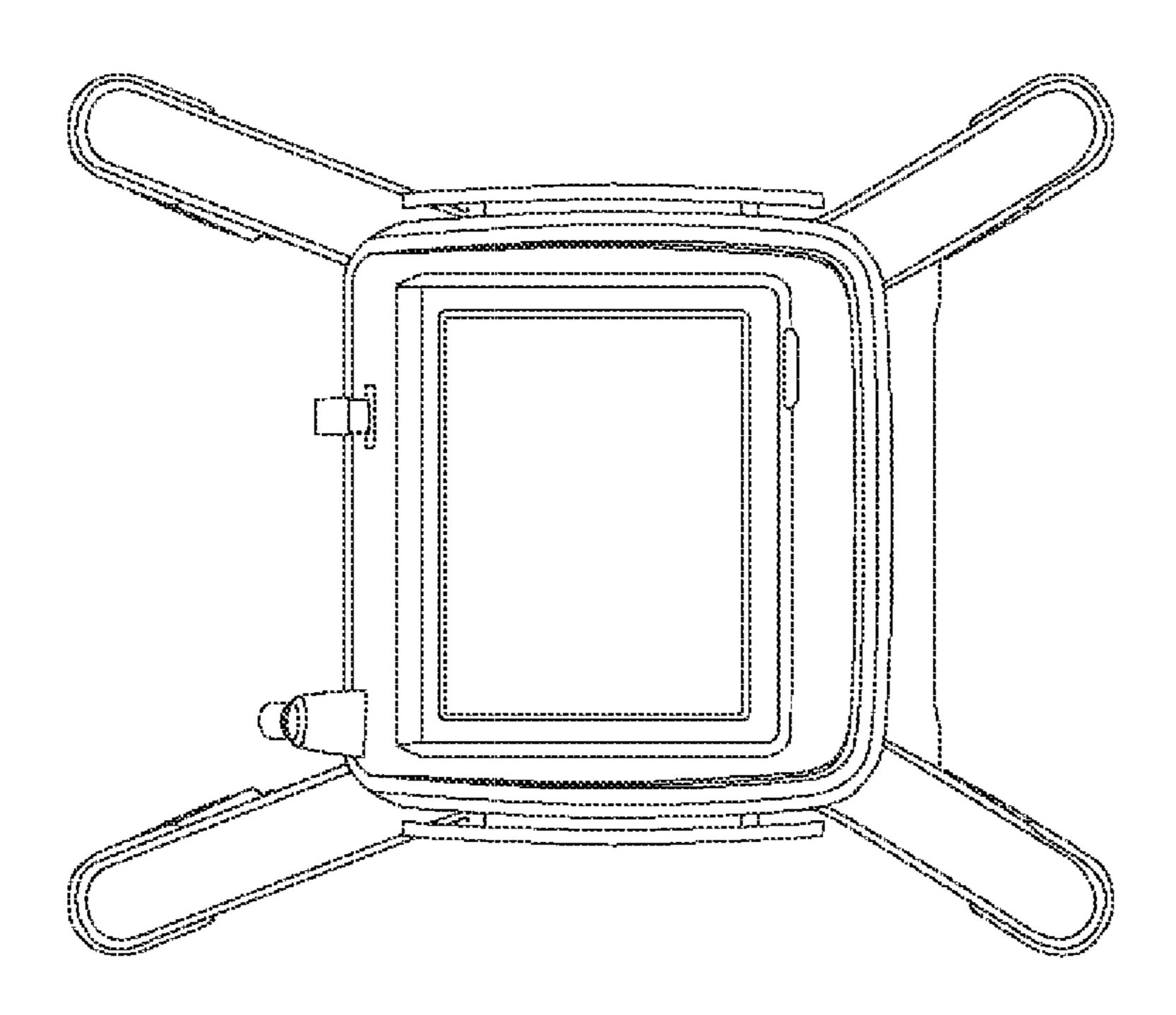
**Sheet 12 of 14** 



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**Sheet 13 of 14** 

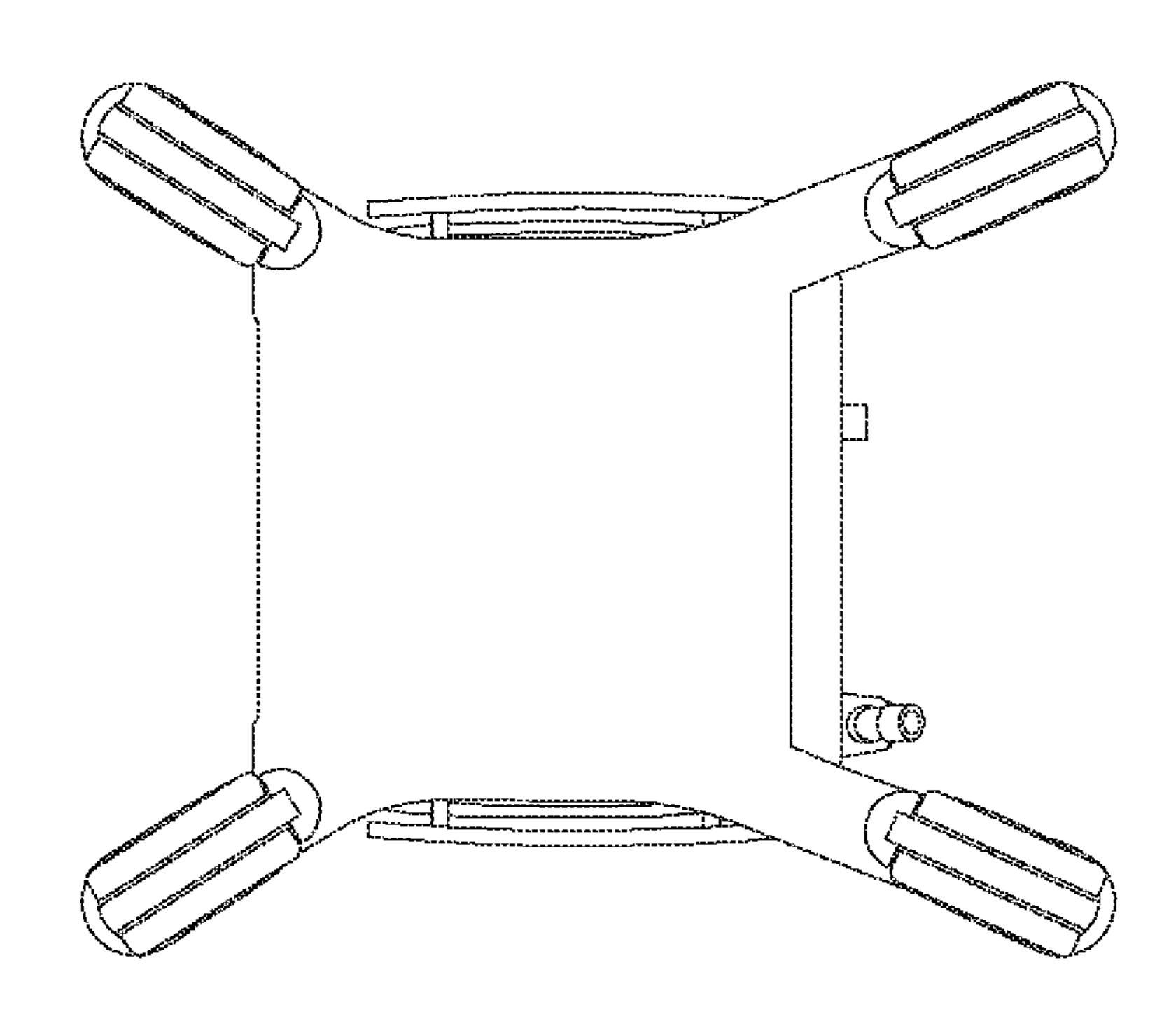
FIG. 13



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**Sheet 14 of 14** 

FIG. 14



## UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

PATENT NO. : D764,669 S

APPLICATION NO. : 20/510256

APPLICATION NO. : 29/519356

DATED : August 23, 2016

INVENTOR(S) : Martin Birath et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

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In the Drawings

Please replace FIGS. 1-14 with FIGS. 1-14 as shown on the attached pages.

In the Specification

After the last paragraph, please add the following new paragraph:

High-quality copies of the drawings of Figures 1-14 are available in the U.S. Patent and Trademark Office's electronic record of this patent.

This certificate supersedes the Certificate of Correction issued November 8, 2016.

Signed and Sealed this Twenty-fourth Day of October, 2017

Joseph Matal

Performing the Functions and Duties of the Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office

## (12) United States Design Patent (10 Birath et al. (45

(10) Patent No.: (45) Date of Patent:

described.

US D764,669 S \*\* Aug. 23, 2016

(54)	VENTILA	TOR
(71)	Applicants:	Martin Birath, Lidingö (SE): Karin Biomquist, Sollentuna (SE): Johan Reuterholt, Bálsta (SE)
(72)	Inventors:	Martin Birath, Lidingö (SE); Karin Blomquist, Sollentuna (SE); Johan Reuterholt, Bälsta (SE)
(73)	Assignce:	Maquet Critical Care AB, Solna (SE)
(**)	Term:	14 Years
(21)	Appl. No.:	29/519,356
(22)	Filed:	Mar. 4, 2015
(30)	Fo	reign Application Priority Data
Se	р. 12, 2014	(EM) 2537068
(51)	LOC (10)	CL 24-00
(52)	U.S. Cl.	
	USPC	
(58)		assification Scarch
	USPC	
	CD $C$	280/47.34, 47.35; 600/407; 108/24, 6 . A61M 16/0051; A61B 19/0241; A61B
	W. C.C	5/0002; A61B 17/00; A45C 9/00
	See applica	tion file for complete search history.
(56)		References Cited

U.S. PATENT DOCUMENTS

8:2007 Reckelhoff

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3/2009 Meiser .....

D486,915 S \*

7,490,837 B2 \*

D588.272 S \*

D606.202 S \*

D613.866 S \*

D549.921 S

D578.204 S

12/2009 Banryu ...... D24/185

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280/47.35

1)24/185

D626,235 S	•	10/2010	Smith	D24/158
D632,796 S	*	2/2011	Ross	D24/185
D632.797 S	*	2/2011	Ross	D24/185
D643.535 S	*	8/2011	Ross	D24/164
		(Con	timied)	

Primary Examiner Holly Baynham
Assistant Examiner — Rhea Shields

(74) Attorney, Agent, or Firm — Schiff Hardin LLP

(57) CLAIM
The organization design for a ventilator, as shown and

### DESCRIPTION

FIG. 1 is a perspective view from a direction between a front and a right side of a ventilator with a screen pulled out; FIG. 2 is a right side elevational view of the ventilator of FIG.

FIG. 3 is a left side elevational view of the ventilator of FIG.

FIG. 4 is a front elevational view of the ventilator of FIG. 1;

FIG. 5 is a rear elevational view of the ventilator of FIG. 1:

FIG. 6 is a top plan view of the ventilator of FIG. 1:

FIG. 7 is a bottom plan view of the ventilator of FIG. 1;

FIG. 8 is a perspective view from a direction between the front and the right side of the ventilator of FIG. 1 with the screen folded;

FIG. 9 is a right side elevational view of the ventilator of FIG.

FIG. 10 is a left side elevational view of the ventilator of FIG. 8.

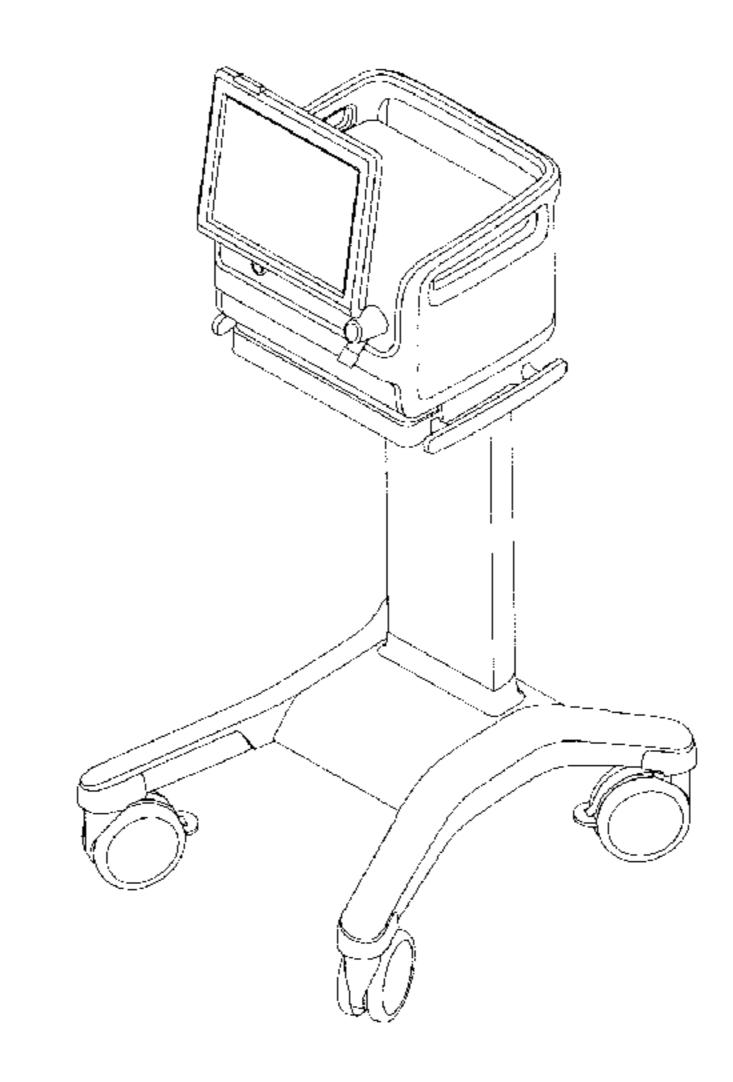
FIG. 11 is a front elevational view of the ventilator of FIG. 8;

FIG. 12 is a rear elevational view of the ventilator of FIG. 8;

FIG. 13 is a top plan view of the ventilator of FIG. 8; and. FIG. 14 is a bottom plan view of the ventilator of FIG. 8.

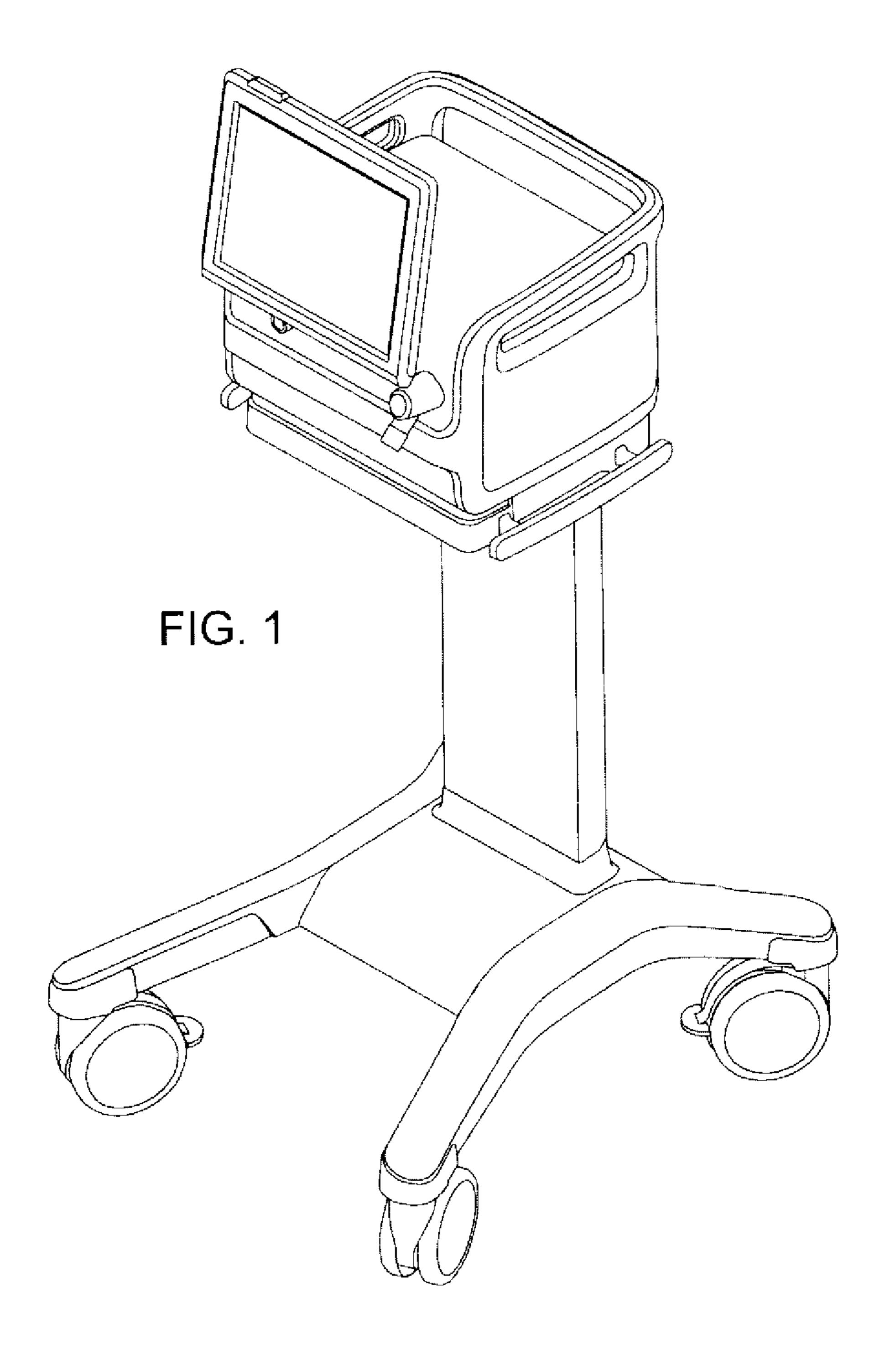
In the drawings, the broken lines are for the purpose of illustrating environment only and form no part of the claimed design.

## 1 Claim, 14 Drawing Sheets



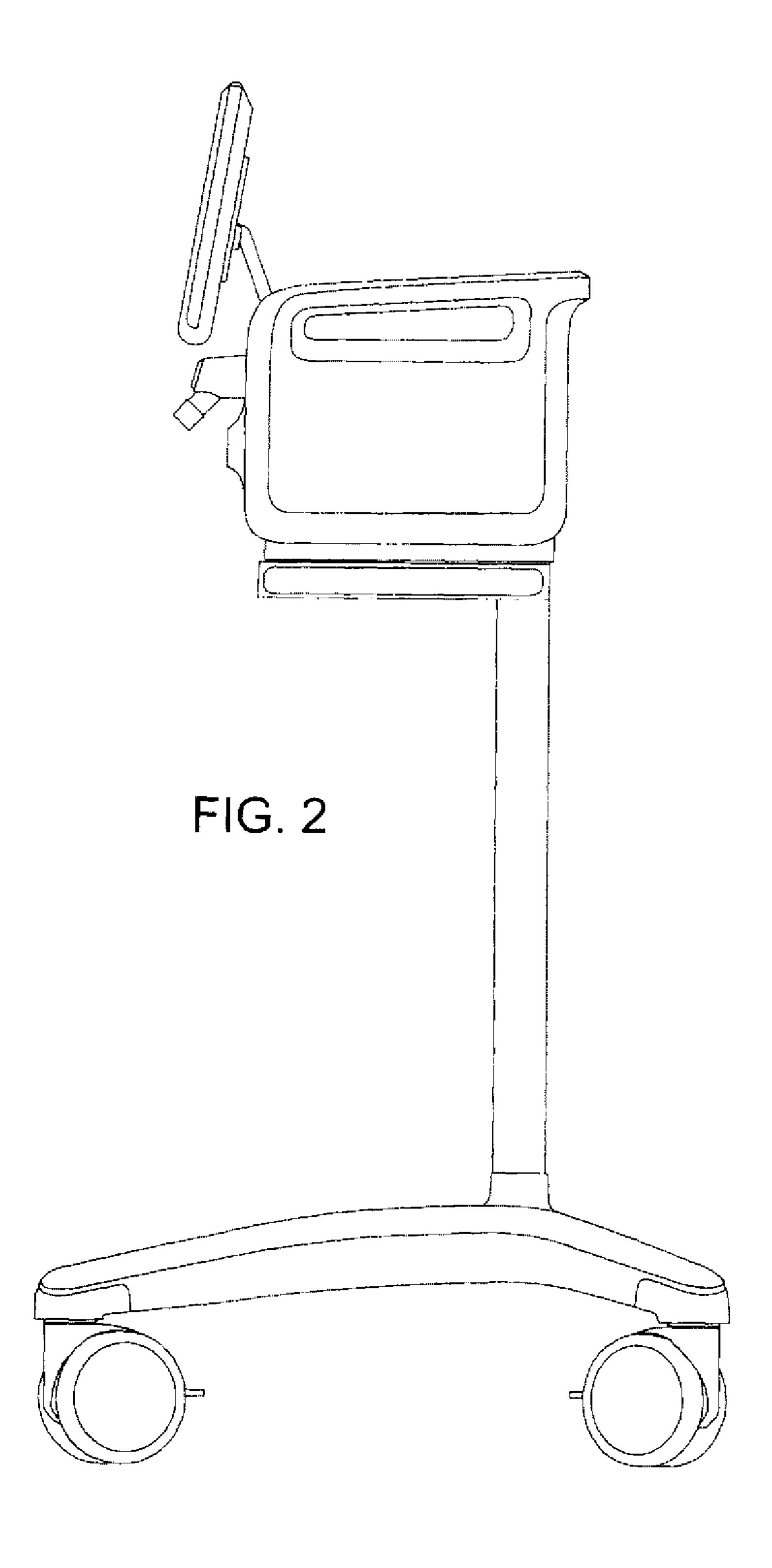
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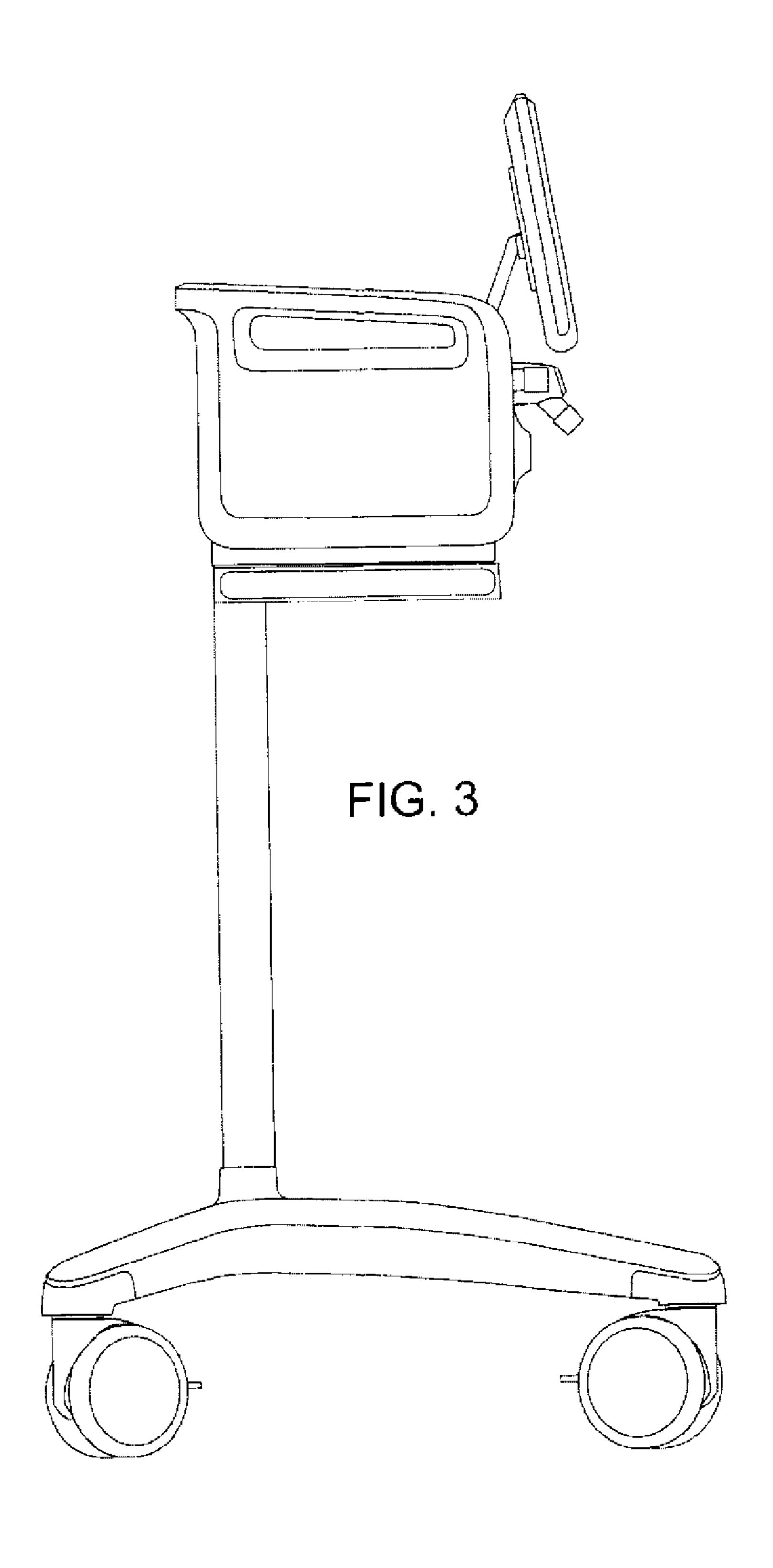
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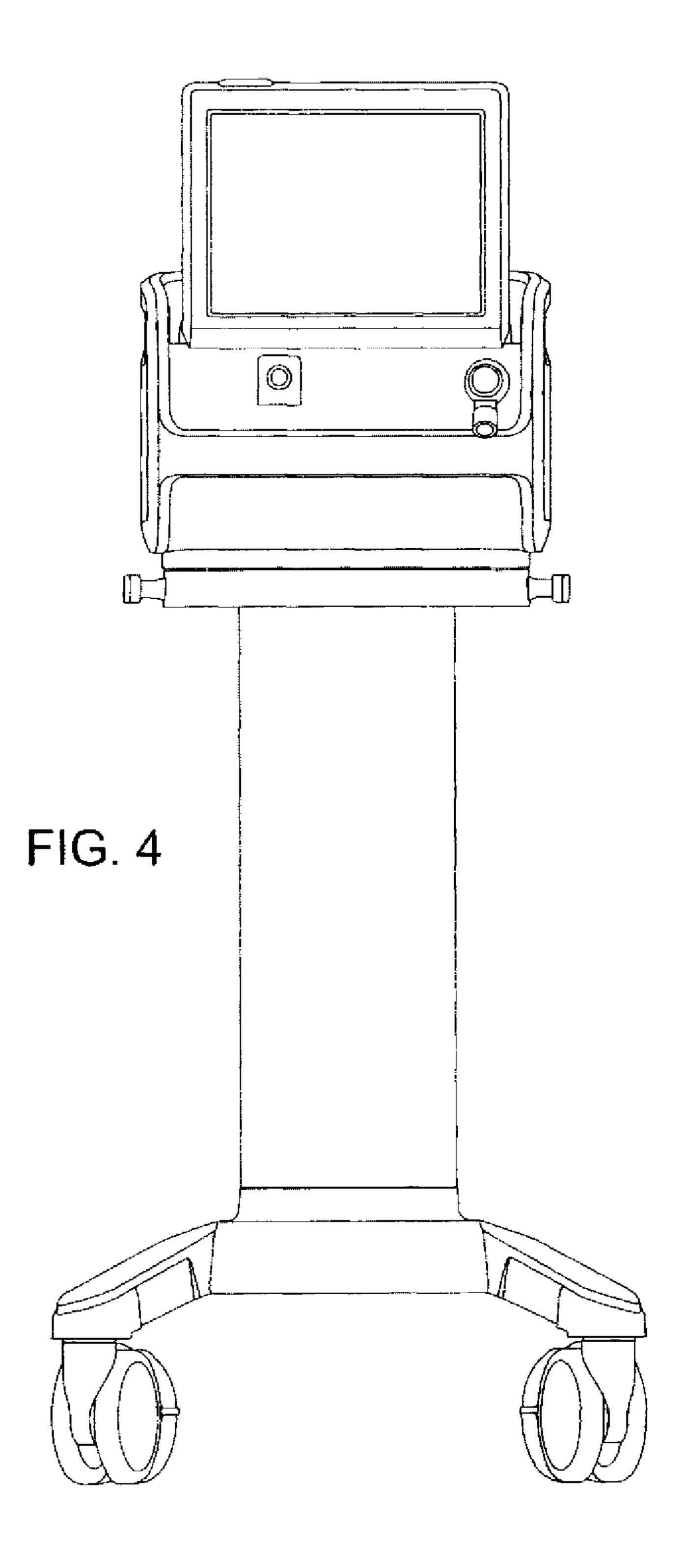


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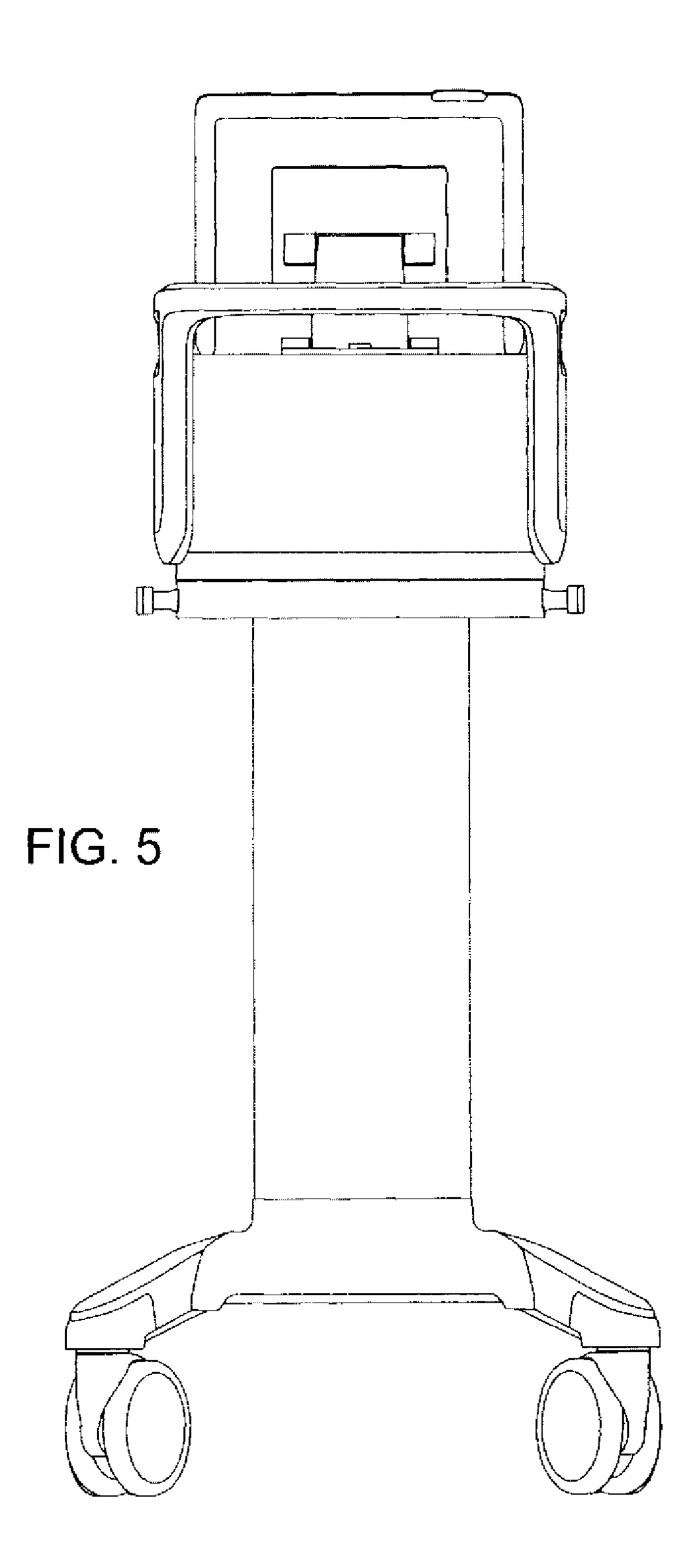
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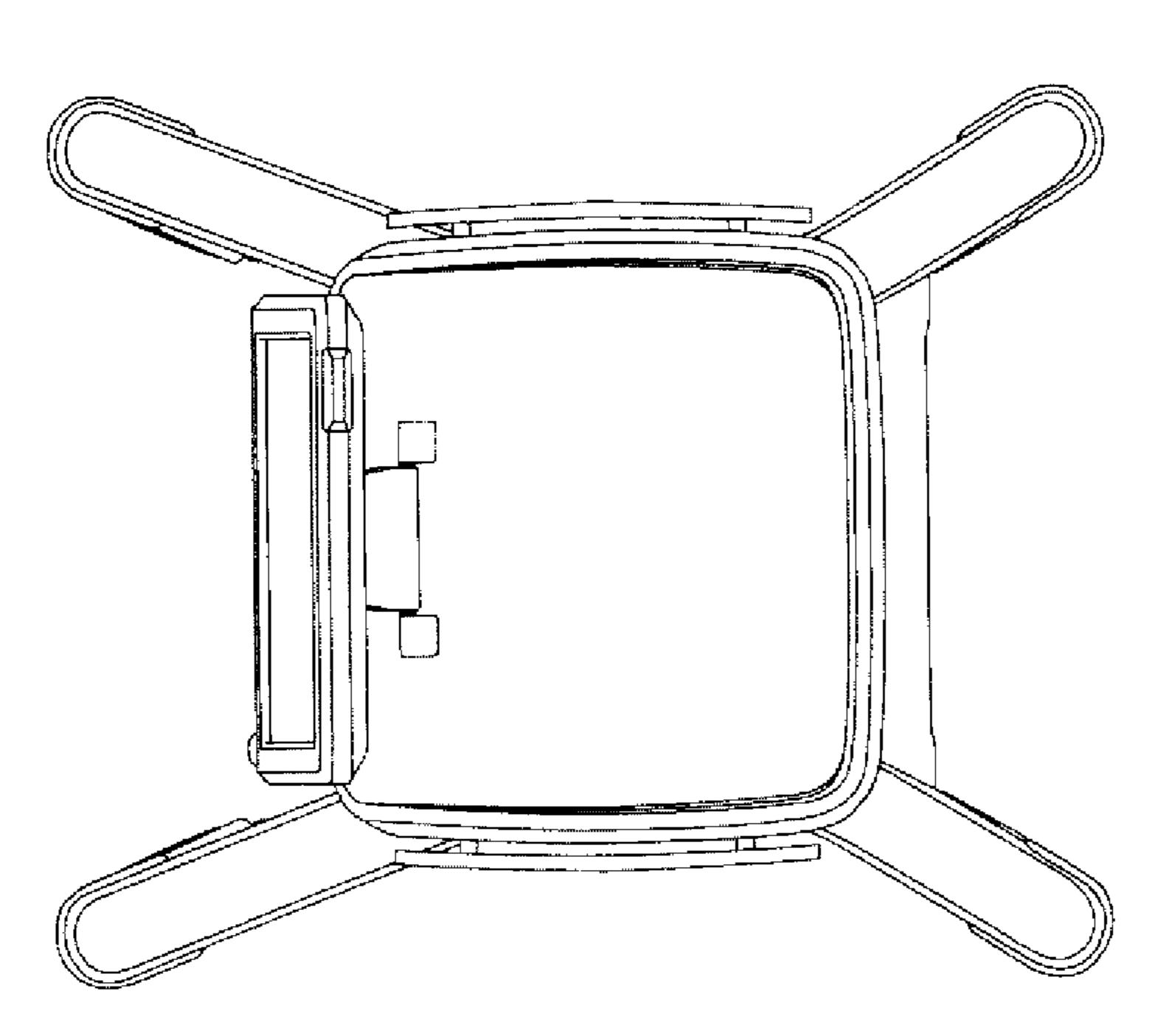


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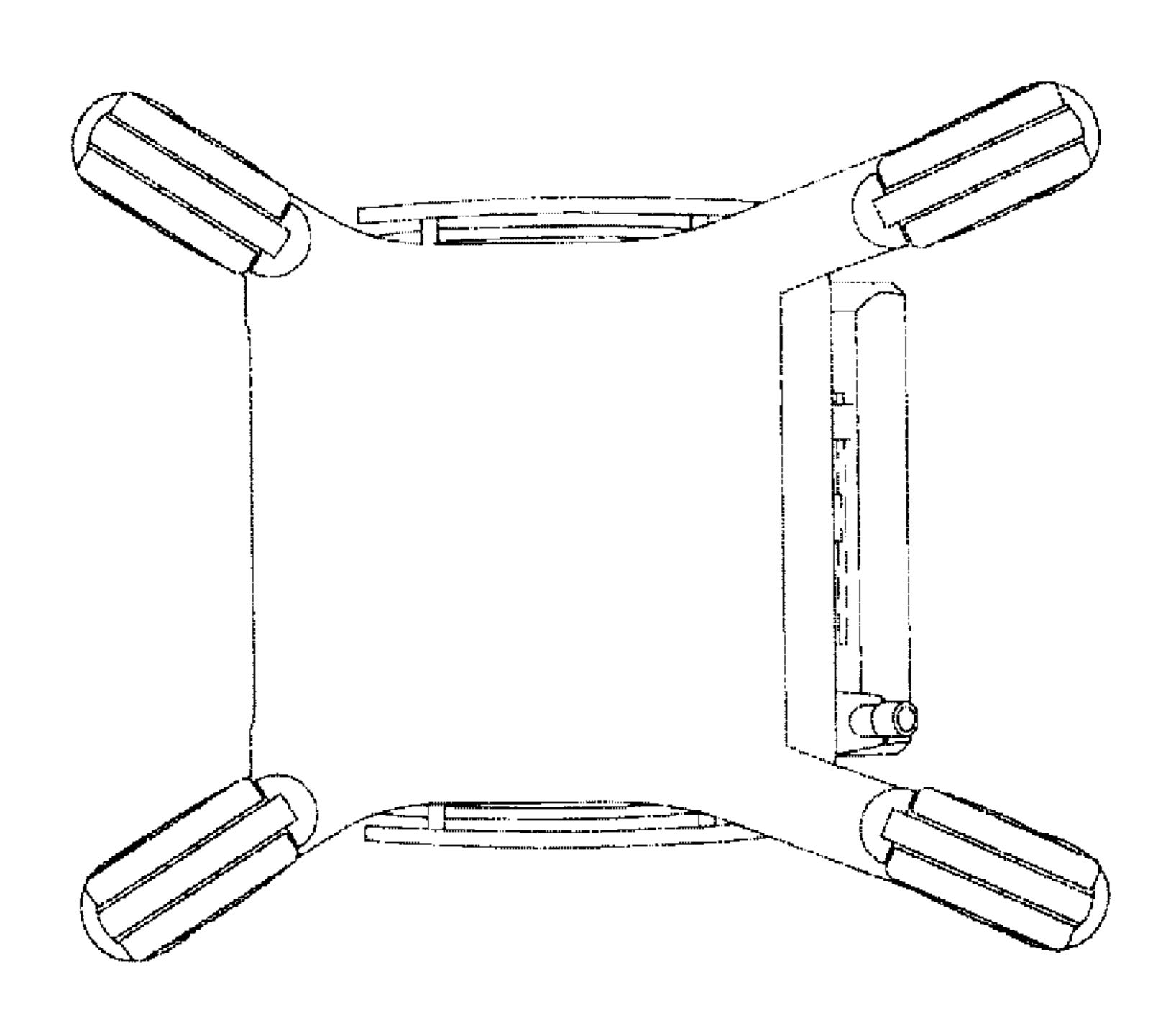
Sheet 6 of 14





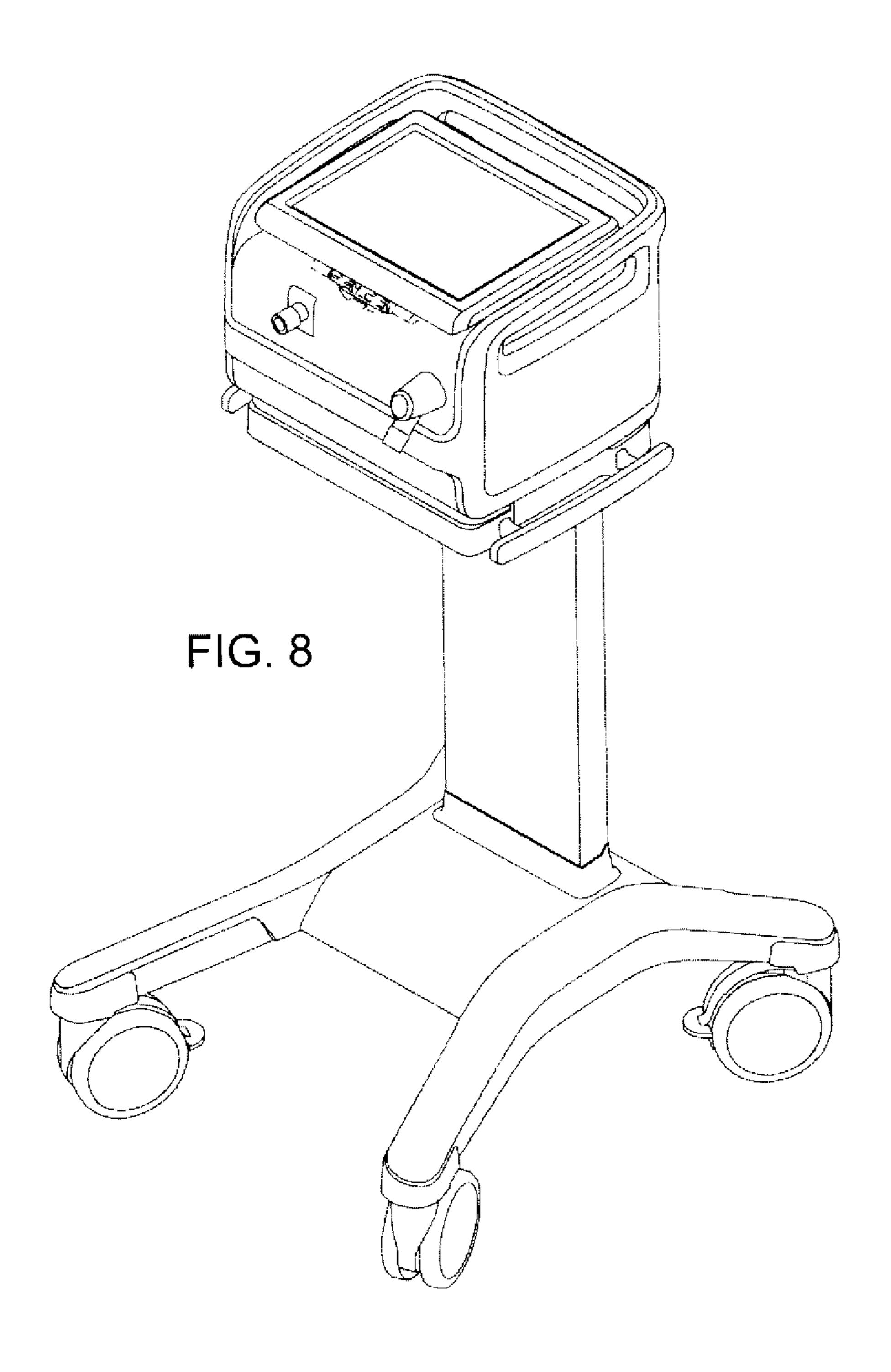
Sheet 7 of 14

FIG. 7



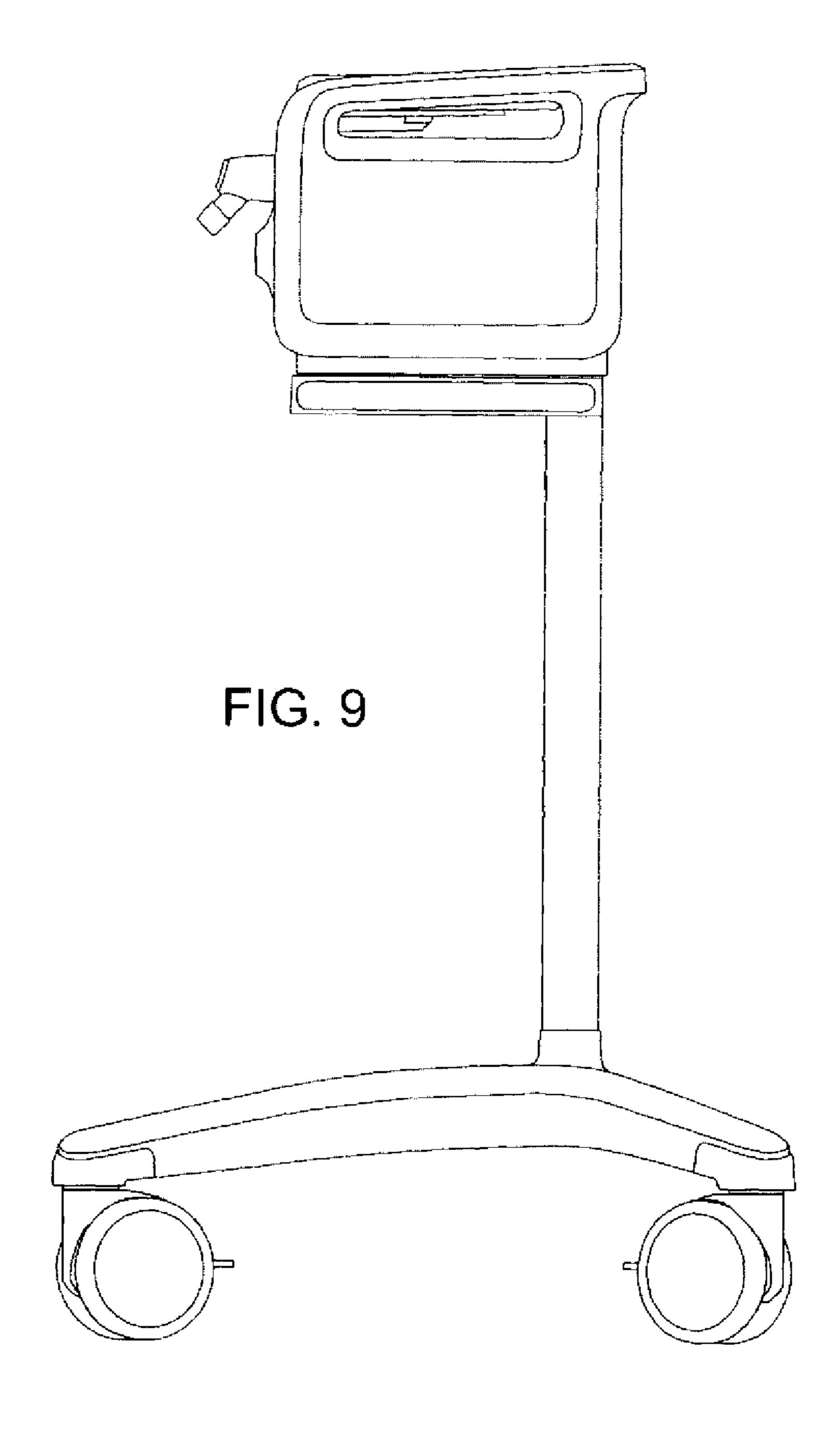
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Sheet 8 of 14



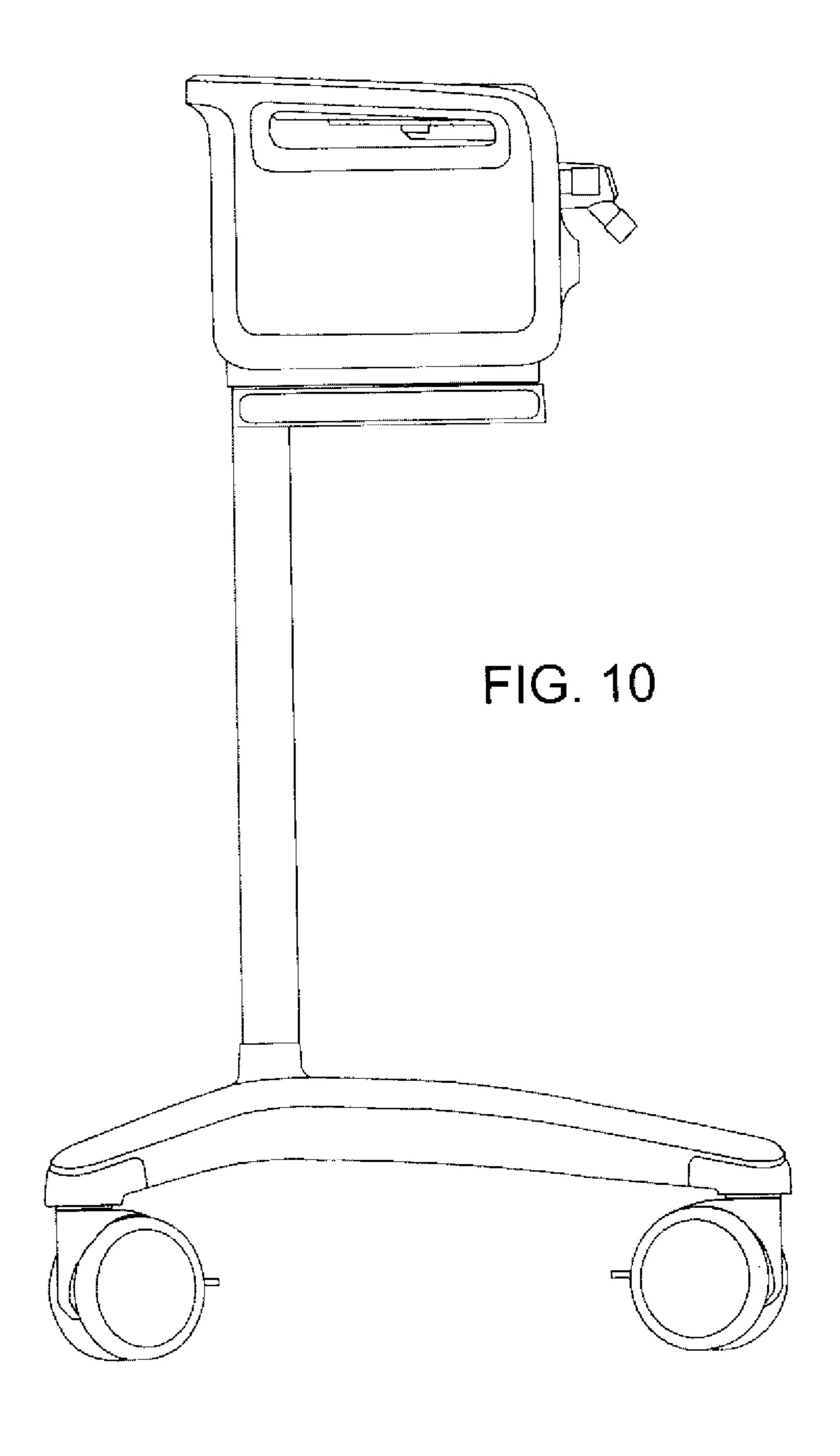
Aug. 23, 2016

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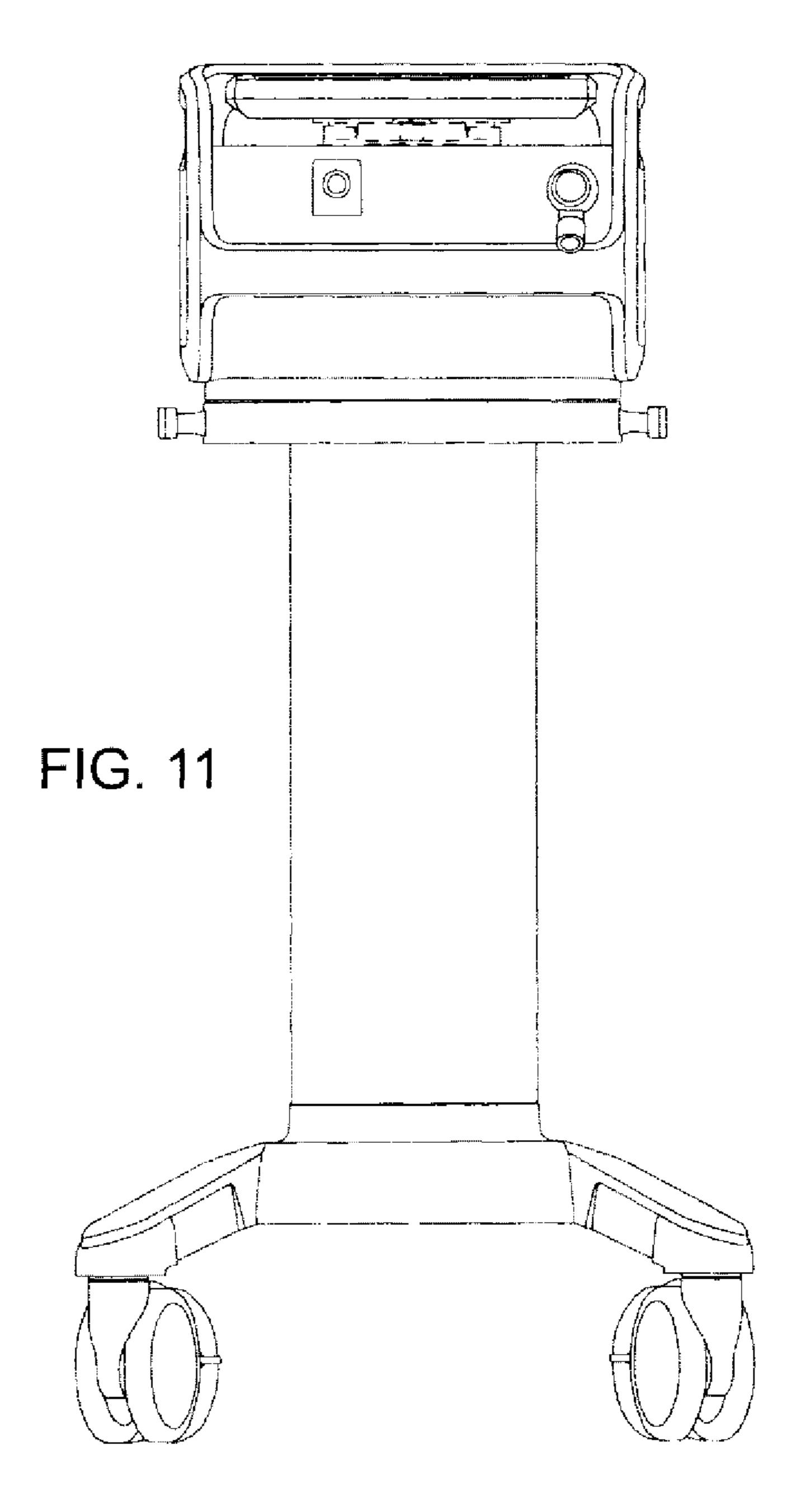
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**Sheet 10 of 14** 



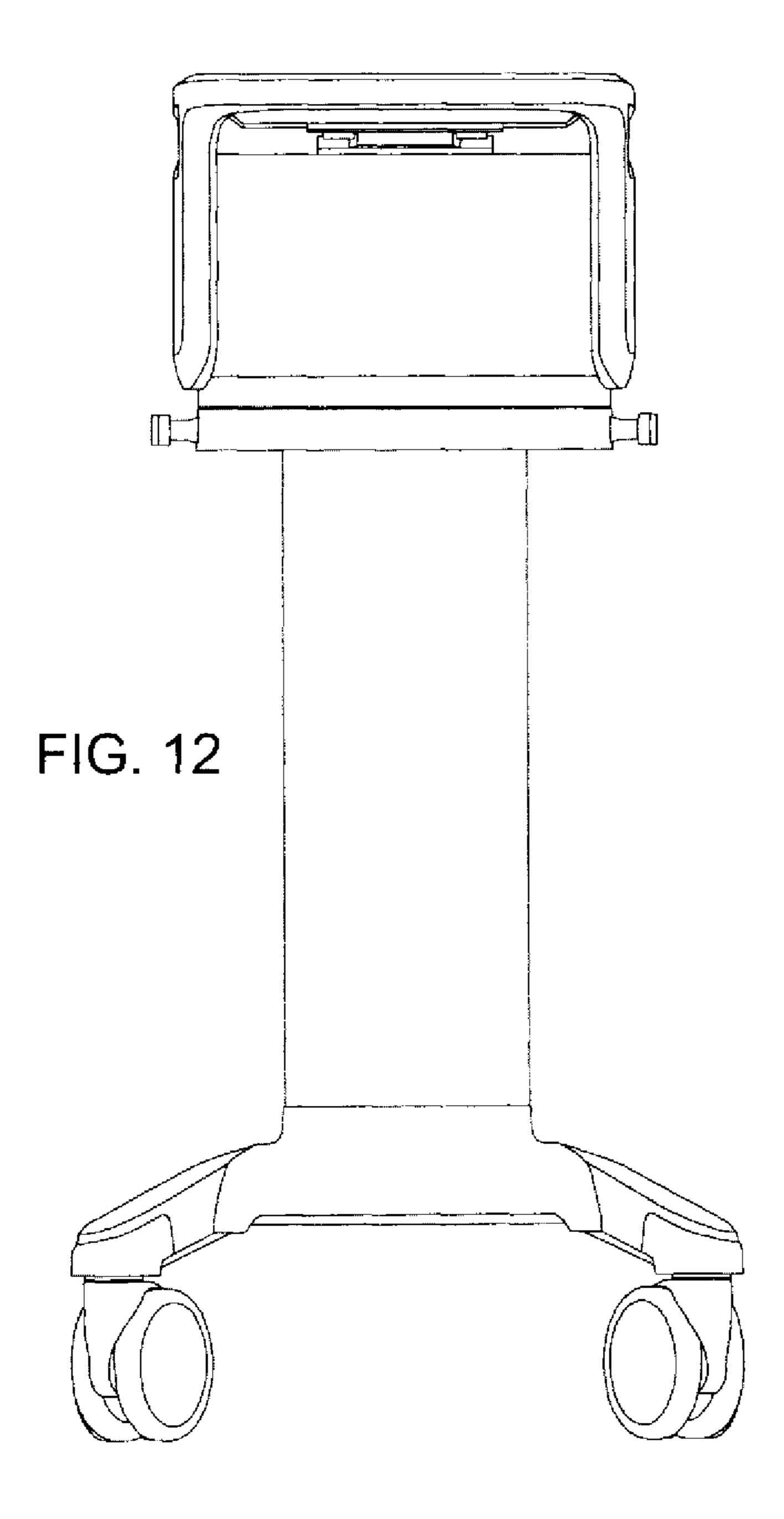
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**Sheet 11 of 14** 



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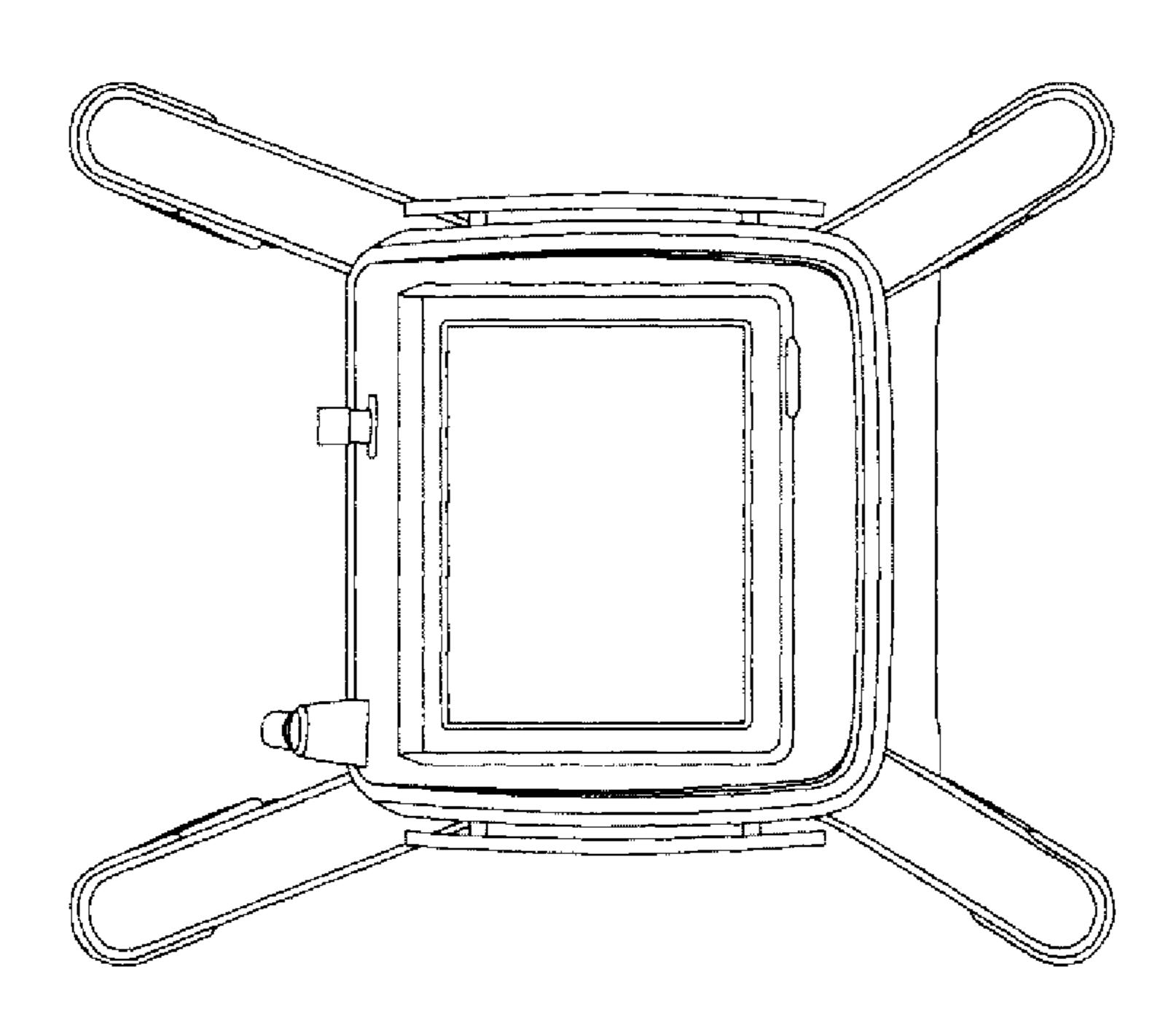
**Sheet 12 of 14** 



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**Sheet 13 of 14** 

FIG. 13



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**Sheet 14 of 14** 

FIG. 14

