US00D825060S

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

(10) **Patent No.: US D825,060 S**
(45) **Date of Patent: ** Aug. 7, 2018**

(54) **PORTABLE DEFIBRILLATOR CARRIER**

(71) Applicant: **West Affum Holdings Corp.**, Grand Cayman (KY)

(72) Inventors: **David P. Finch**, Bothell, WA (US); **Phillip D. Foshee, Jr.**, Woodinville, WA (US); **Laura M. Gustavson**, Redmond, WA (US); **Robert R. Buchanan**, Redmond, WA (US); **Kenneth Cowan**, Kirkland, WA (US); **Daniel J. Finney**, Woodinville, WA (US); **Jason W. Fouts**, Bothell, WA (US); **Karen E. McEwen**, Kenmore, WA (US)

(73) Assignee: **WEST AFFUM HOLDINGS CORP.**, Grand Cayman (KY)

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

(21) Appl. No.: **29/572,754**

(22) Filed: **Jul. 29, 2016**

Related U.S. Application Data

(62) Division of application No. 29/512,696, filed on Dec. 22, 2014, now Pat. No. Des. 764,670.

(30) **Foreign Application Priority Data**

Jun. 24, 2014 (EP) 002489633

(51) **LOC (11) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/167**; D3/216

(58) **Field of Classification Search**
USPC D24/164–168, 186, 187; D3/203.1, D3/213–216; D10/75
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D190,072 S * 4/1961 Casavant D3/216
3,724,455 A 4/1973 Unger
(Continued)

FOREIGN PATENT DOCUMENTS

WO 1998039061 A2 9/1998

OTHER PUBLICATIONS

Klein, Helmut U. et al., Risk Stratification for Implantable Cardioverter Defibrillator Therapy: The Role of the Wearable Cardioverter-Defibrillator, Clinical Update, European Heart Journal, May 31, 2013, 14 pages, European Society of Cardiology, France.
(Continued)

Primary Examiner — Anhdao Doan
(74) *Attorney, Agent, or Firm* — Marger Johnson

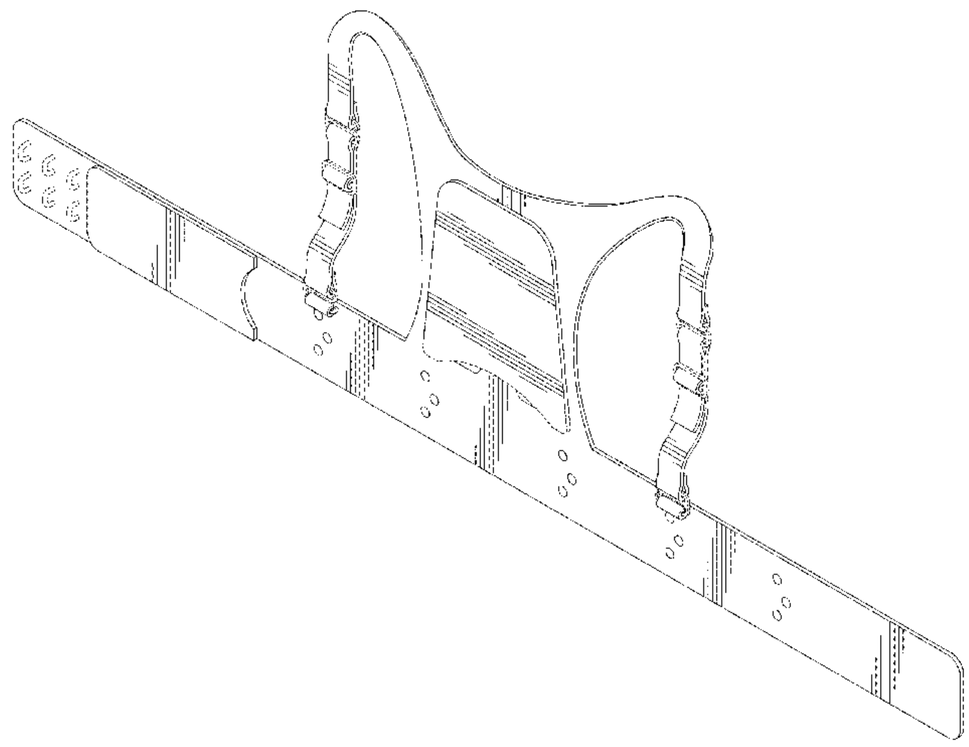
(57) **CLAIM**

The ornamental design for a portable defibrillator carrier, as shown and described.

DESCRIPTION

FIG. **1** is a rear, right, top perspective view of a first embodiment of a portable defibrillator carrier.
FIG. **2** is a rear view of the portable defibrillator carrier of FIG. **1**.
FIG. **3** is a front inside view of the portable defibrillator carrier of FIG. **1**.
FIG. **4** is a front view of the portable defibrillator of FIG. **1** illustrating an operating environment thereof.
FIG. **5** is a rear, right, top perspective view of a second embodiment of a portable defibrillator carrier.
FIG. **6** is a rear view of the portable defibrillator carrier of FIG. **5**.
FIG. **7** is a front inside view of the portable defibrillator carrier of FIG. **5**; and,
FIG. **8** is a front view of the portable defibrillator of FIG. **5** illustrating an operating environment thereof.
The broken lines represent portions of the portable defibrillator carrier that form no part of the claimed design. The broken lines form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(58) **Field of Classification Search**
CPC A61N 1/39; A61N 1/3925; A61N 1/3968; A61N 1/3987; A61N 1/3993; A61B 5/6805; A61B 5/6823
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D238,208	S		12/1975	Hesen
D263,641	S	*	4/1982	Nandorf D29/101.1
4,583,524	A		4/1986	Hutchins
4,619,265	A		10/1986	Morgan et al.
4,928,690	A		5/1990	Heilman et al.
4,955,381	A		9/1990	Way et al.
5,078,134	A		1/1992	Heilman et al.
5,228,449	A		7/1993	Christ et al.
5,353,793	A		10/1994	Bornn
RE34,800	E		11/1994	Hutchins
5,394,892	A		3/1995	Kenny et al.
5,405,362	A		4/1995	Kramer et al.
5,474,574	A		12/1995	Payne et al.
D377,097	S		12/1996	Olson et al.
5,662,690	A		9/1997	Cole et al.
5,782,878	A		7/1998	Morgan et al.
5,792,204	A		8/1998	Snell
5,807,271	A		9/1998	Tayebi et al.
5,902,249	A		5/1999	Lyster
5,913,685	A		6/1999	Hutchins
5,944,669	A		8/1999	Kaib
6,047,203	A		4/2000	Sackner et al.
6,065,154	A		5/2000	Hulings et al.
6,108,197	A		8/2000	Janik
6,148,233	A		11/2000	Owen et al.
6,201,992	B1		3/2001	Freeman
6,263,238	B1		7/2001	Brewer et al.
6,280,461	B1		8/2001	Glegyak et al.
6,287,328	B1		9/2001	Snyder et al.
6,304,780	B1		10/2001	Owen et al.
6,319,011	B1		11/2001	Motti et al.
D451,604	S		12/2001	Kasabach et al.
6,334,070	B1		12/2001	Nova et al.
6,356,785	B1		3/2002	Snyder et al.
6,427,083	B1		7/2002	Owen et al.
6,529,875	B1		3/2003	Nakajima et al.
6,546,285	B1		4/2003	Owen et al.
6,681,003	B2		1/2004	Linder et al.
6,762,917	B1		7/2004	Verbiest et al.
D501,078	S	*	1/2005	Cabana D3/215
7,065,401	B2		6/2006	Worden
7,559,902	B2		7/2009	Ting et al.
7,865,238	B2		1/2011	Brink
7,870,761	B2		1/2011	Valentine et al.
7,974,689	B2		7/2011	Volpe et al.
D646,478	S		10/2011	Eckels
8,135,462	B2		3/2012	Owen et al.
8,140,154	B2		3/2012	Donnelly et al.
8,369,944	B2		2/2013	Macho et al.
8,644,925	B2		2/2014	Volpe et al.
D717,442	S		11/2014	Kaib et al.
D717,444	S		11/2014	Pastrick et al.
8,897,860	B2		11/2014	Volpe et al.
8,965,500	B2		2/2015	Macho et al.
9,008,801	B2		4/2015	Kaib et al.
9,089,685	B2	*	7/2015	Sullivan A61N 1/046
9,131,901	B2		9/2015	Volpe et al.
9,132,267	B2		9/2015	Kaib
9,408,548	B2		8/2016	Volpe et al.
2003/0158593	A1		8/2003	Heilman et al.
2005/0107833	A1		5/2005	Freeman et al.
2005/0107834	A1		5/2005	Freeman et al.
2008/0312709	A1		12/2008	Volpe et al.
2009/0005827	A1		1/2009	Weintraub et al.
2010/0007413	A1		1/2010	Herleikson
2010/0298899	A1		11/2010	Donnelly et al.
2011/0022105	A9		1/2011	Owen et al.
2011/0288604	A1		11/2011	Kaib et al.
2011/0288605	A1		11/2011	Kaib et al.
2012/0112903	A1		5/2012	Kaib et al.
2012/0144551	A1		6/2012	Guldalian
2012/0150008	A1		6/2012	Kaib et al.
2012/0158075	A1		6/2012	Kaib et al.
2012/0265265	A1		10/2012	Razavi et al.
2012/0283794	A1		11/2012	Kaib et al.
2012/0302860	A1		11/2012	Volpe et al.
2013/0085538	A1		4/2013	Volpe et al.
2013/0231711	A1		9/2013	Kaib
2013/0245388	A1		9/2013	Rafferty et al.
2013/0274565	A1		10/2013	Langer et al.
2013/0317852	A1		11/2013	Worrell et al.
2013/0325078	A1		12/2013	Whiting et al.
2014/0025131	A1		1/2014	Sullivan et al.
2014/0070957	A1		3/2014	Longinotti-Buitoni et al.
2014/0243918	A1		8/2014	Sullivan et al.
2014/0324112	A1		10/2014	Macho et al.
2014/0378812	A1		12/2014	Saroka et al.
2015/0039053	A1		2/2015	Kaib et al.
2016/0004831	A1		1/2016	Carlson et al.
2016/0199576	A1	*	7/2016	Savage A61B 5/6805 604/66

OTHER PUBLICATIONS

Lifecor LifeVest System Model WCD 3100 Operator's Manual, 2006, ZOLL Lifecor Corporation, Pittsburgh, PA, PN 20B0040 Rev FI, 48 pages.

LifeVest Model 4000 Patient Manual, 108 pages, ZOLL, Pittsburgh, PA, PN 20B0047 Rev B.

Heartstart MRx and XL AED Algorithm—Application Note, Jul. 2001, Edition 2, Philips Healthcare, USA.

The LifeVest Network/Patient Data Management System, Zoll, 2015, 20C0503 Rev A.

* cited by examiner

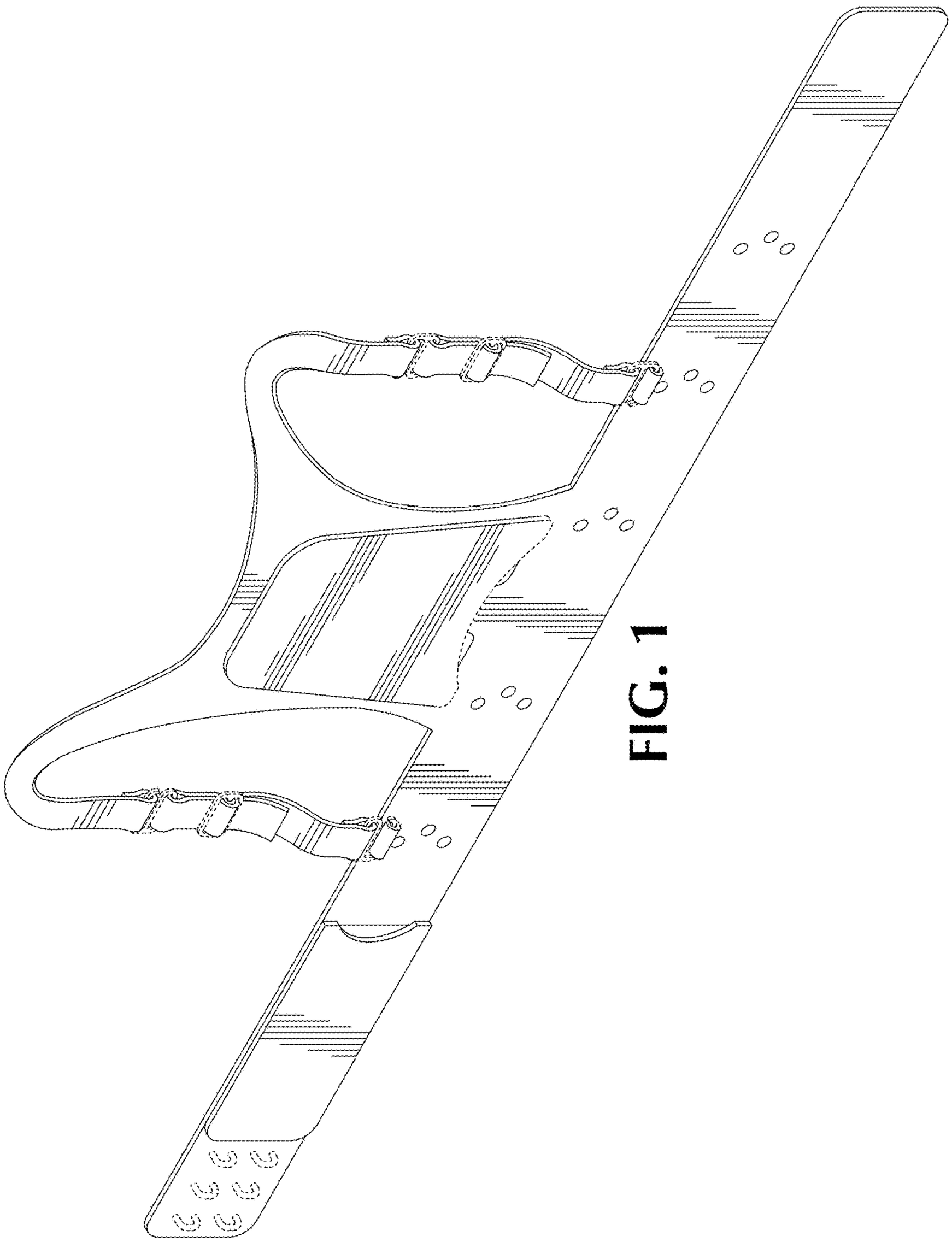


FIG. 1

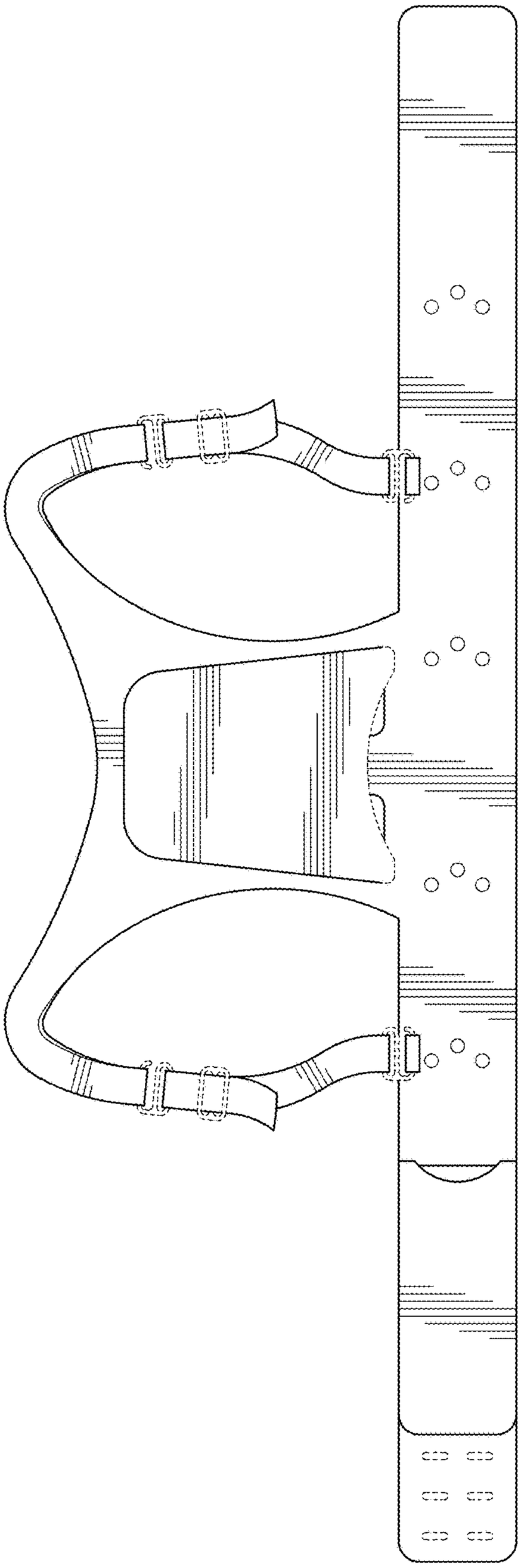


FIG. 2

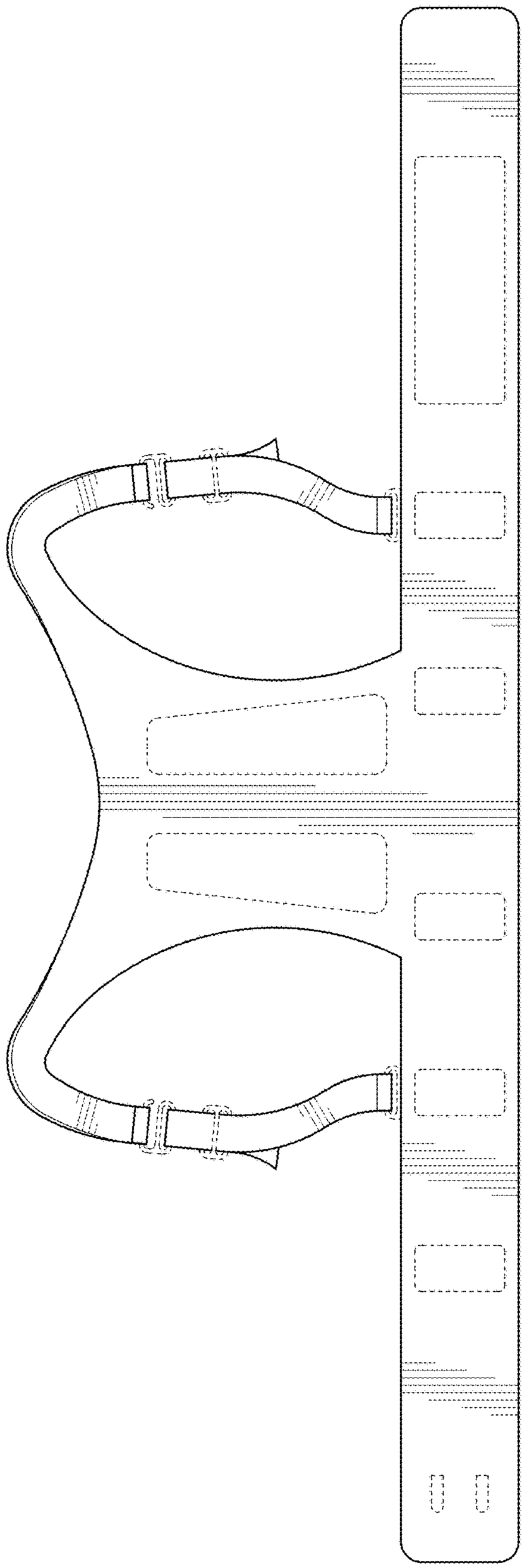


FIG. 3

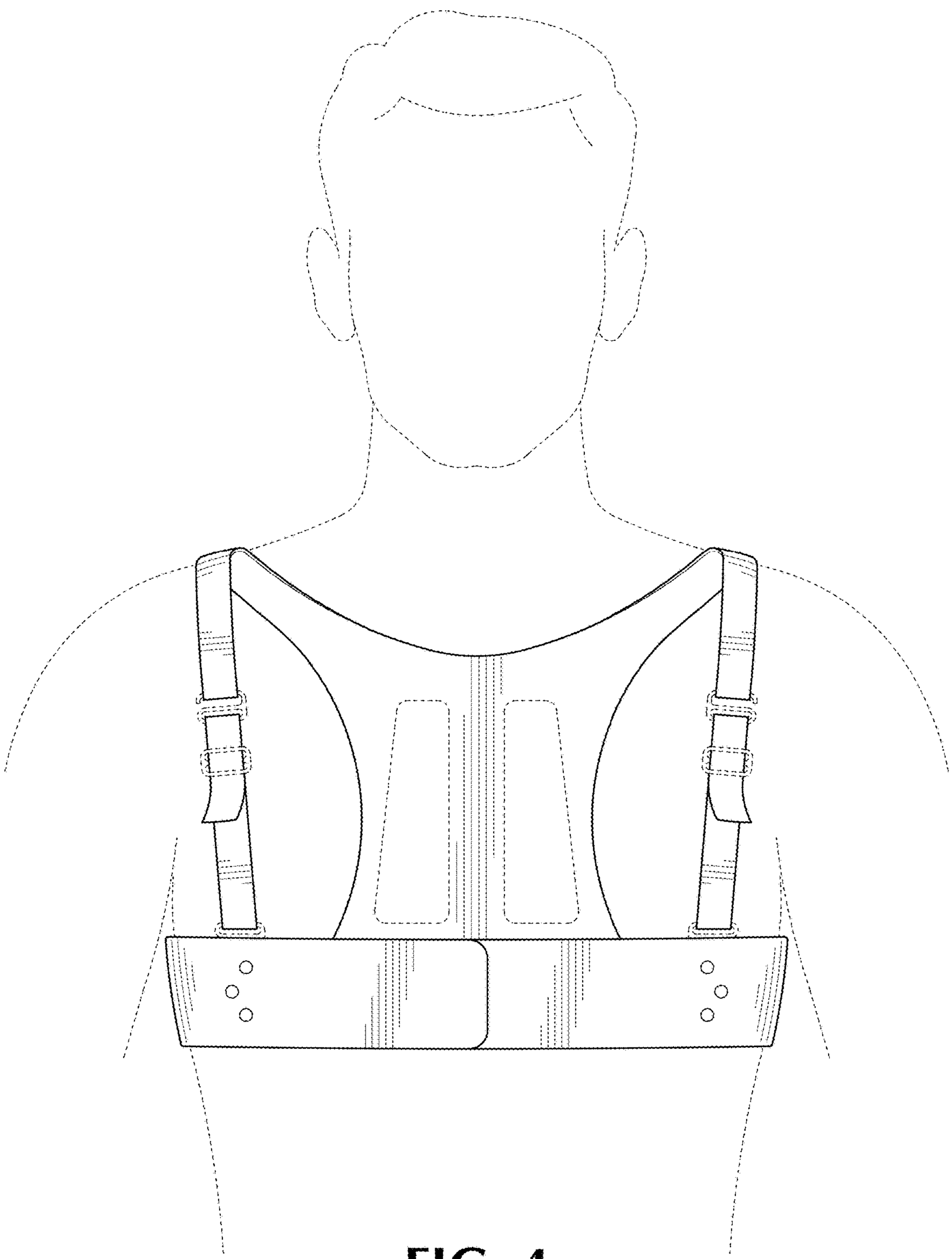


FIG. 4

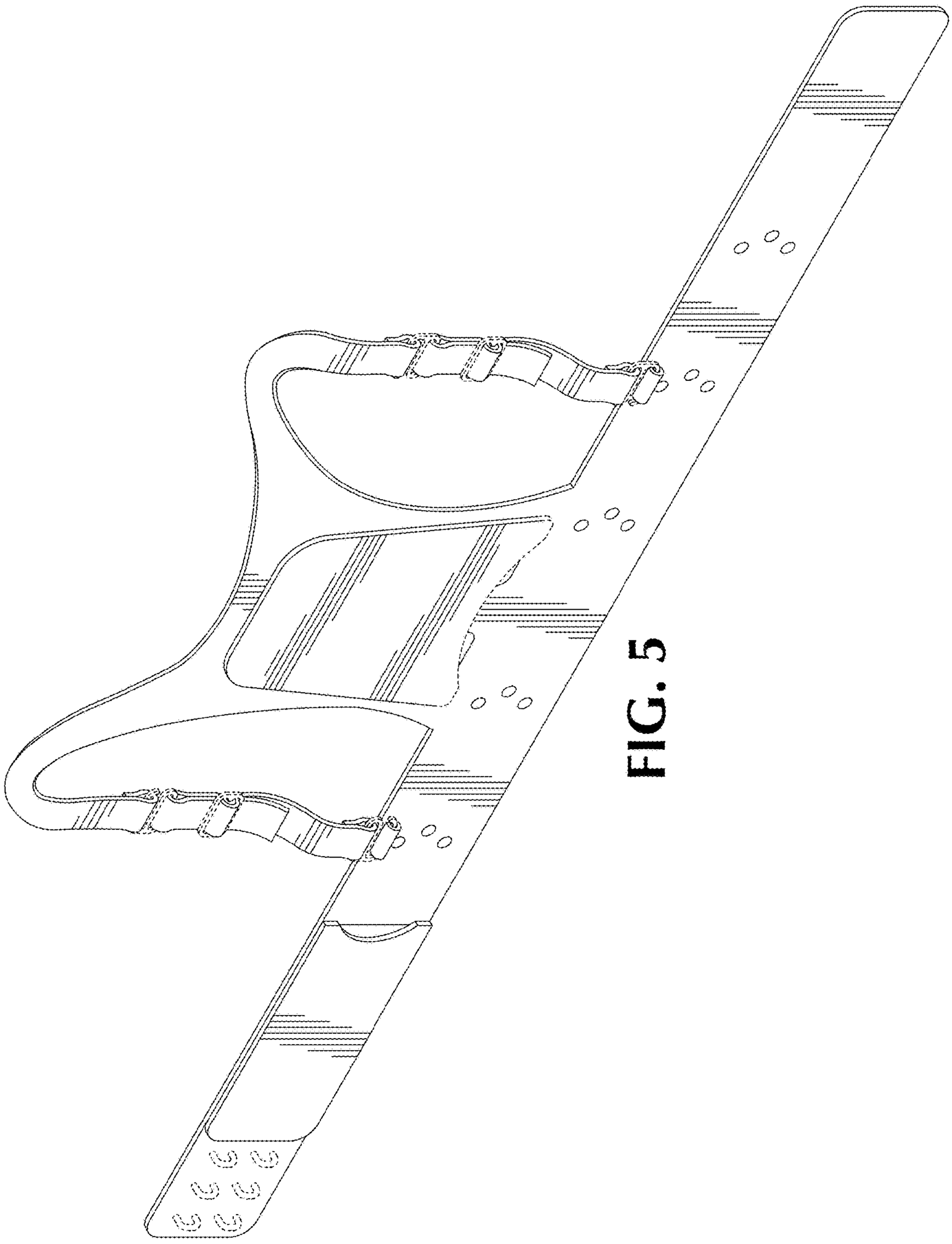


FIG. 5

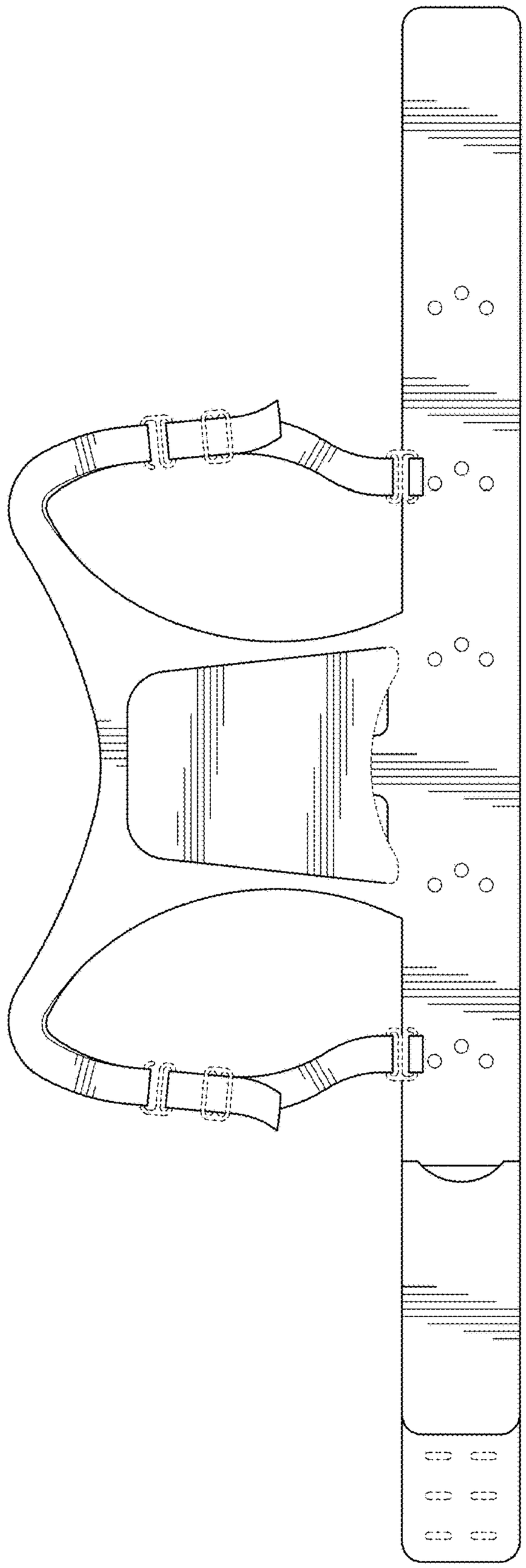


FIG. 6

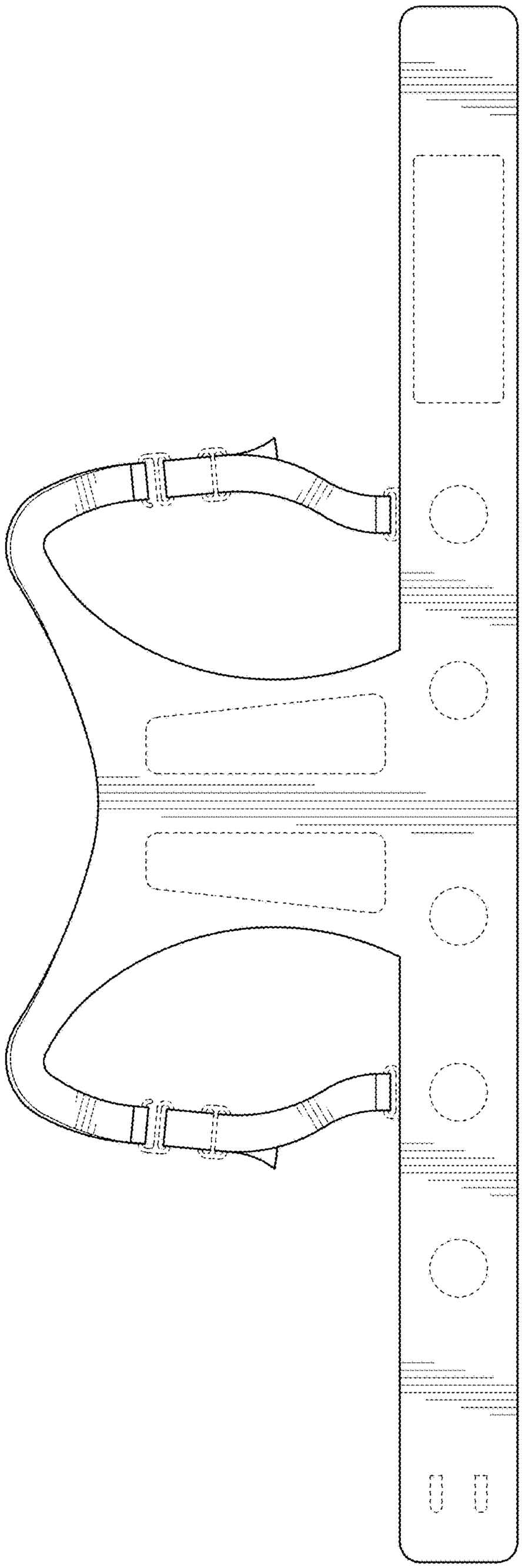


FIG. 7

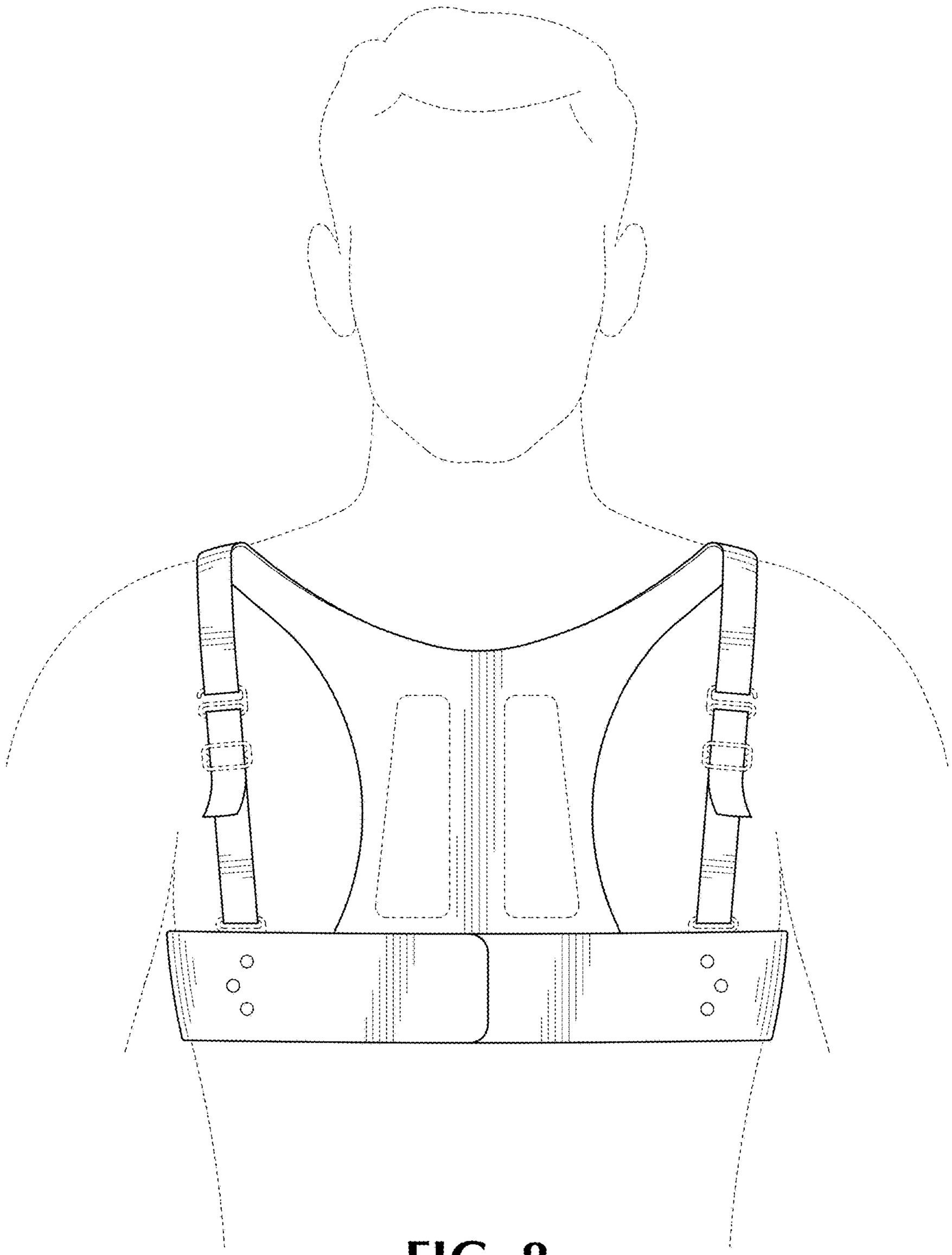


FIG. 8