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(12) **United States Design Patent** (10) **Patent No.:** **US D973,889 S**
Papp (45) **Date of Patent:** **** Dec. 27, 2022**

(54) **ORTHOSIS**
(71) Applicant: **Ottobock SE & Co. KGaA**, Duderstadt (DE)
(72) Inventor: **Emese Papp**, Dresden (DE)
(73) Assignee: **OTTOBOCK SE & CO. KGAA**, Duderstadt (DE)

D805,254 S * 12/2017 Lopez D29/101.1
D843,662 S * 3/2019 Green-Mullins D29/101.1
D851,334 S * 6/2019 Green Mullins D29/101.1
D855,893 S * 8/2019 Bookris D29/101.4
D889,672 S * 7/2020 Takama D24/190
D901,023 S * 11/2020 Park D24/190
D903,881 S * 12/2020 Ohta D29/101.1
D939,094 S * 12/2021 Papp D24/191

(Continued)

(**) Term: **15 Years**
(21) Appl. No.: **29/747,957**

FOREIGN PATENT DOCUMENTS

CN 305420707 * 11/2019
CN 306857827 * 9/2021

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OTHER PUBLICATIONS

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Feb. 26, 2020 (DE) 40 2020 100 196.1
(51) **LOC (13) Cl.** **24-02**
(52) **U.S. Cl.**
USPC **D24/190**
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D29/100-101.4
CPC A47C 7/72; A61F 5/055; A61F 5/3707;
A61F 2/3609; A47G 9/10; A47G 9/1081;
A47G 2009/1018
See application file for complete search history.

Gryphon Work Harness Reference No. 7H174, Gryphon, climbingtechnology.com, [Post Date: unknown], [Site seen Feb. 15, 2022] , Seen at URL: https://www.climbingtechnology.com/en/professional-en/harnesses/_gryphon (Year: 2022).*

(Continued)

Primary Examiner — Natasha Vujcic
Assistant Examiner — Gilbert B Ford
(74) *Attorney, Agent, or Firm* — Holland & Hart LLP

(56) **References Cited**

(57) **CLAIM**

The ornamental design for an orthosis, as shown and described.

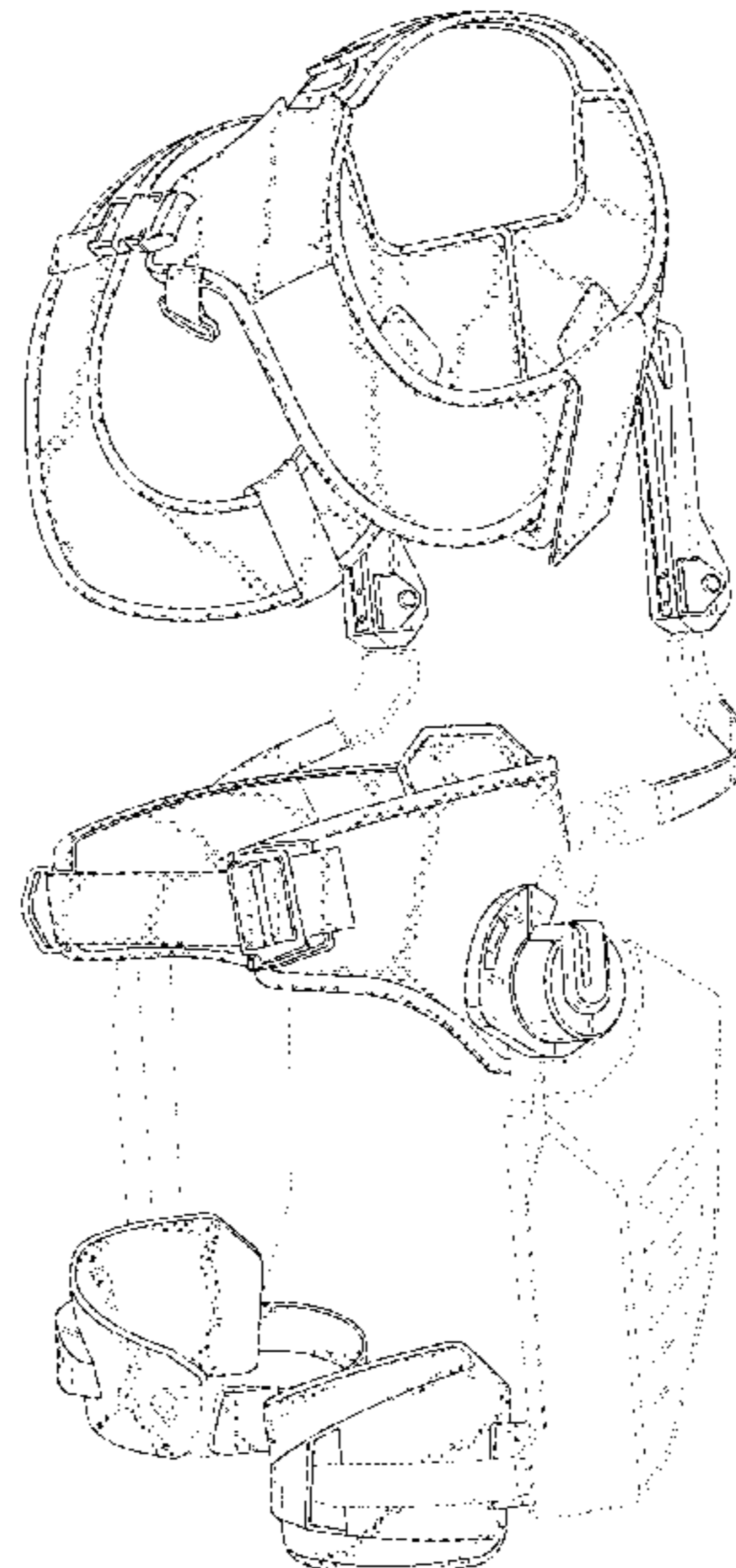
U.S. PATENT DOCUMENTS

DESCRIPTION

4,807,605 A * 2/1989 Mattingly A61F 5/055
D24/188
D641,524 S * 7/2011 Graham D29/101.4
D677,433 S * 3/2013 Swan D29/100
D699,364 S * 2/2014 Chiang D24/190
D732,241 S * 6/2015 Couzyn D29/101.1
D757,365 S * 5/2016 Allan D29/101.1
9,370,440 B2 * 6/2016 Ingimundarson A61F 5/028
9,522,077 B1 * 12/2016 Johnson A61F 5/02

FIG. 1 is a perspective view of an orthosis according to the present invention;
FIG. 2 is a left side view thereof;
FIG. 3 is a right side view thereof;
FIG. 4 is a front view thereof; and,
FIG. 5 is a rear view thereof.
The broken lines in the drawings illustrate portions of the orthosis and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

11,229,542 B2 * 1/2022 Govin A61F 5/028
2013/0048419 A1 * 2/2013 Nichols, Jr. A62B 35/0025
182/3

OTHER PUBLICATIONS

Paexo exoskeleton—Comfortable overhead work: product video, Ot-tobock, youtube, [Postdate: Sep. 4, 2018], [Site seen Feb. 15, 2022], Seen at URL: https://www.youtube.com/watch?v=MIHV4_mMn9w (Year: 2018).*

Fusion Tac-Rescue Specialty Harness, Black, Fusion, Amazon, [Post Date: Nov. 26, 2012], [Site seen Feb. 15, 2022], Seen at URL: https://www.amazon.com/Fusion-Tac-Rescue-Specialty-Harness-Black/dp/B00B1PED9W/ref=sr_1_260_sspa (Year: 2012).*

* cited by examiner

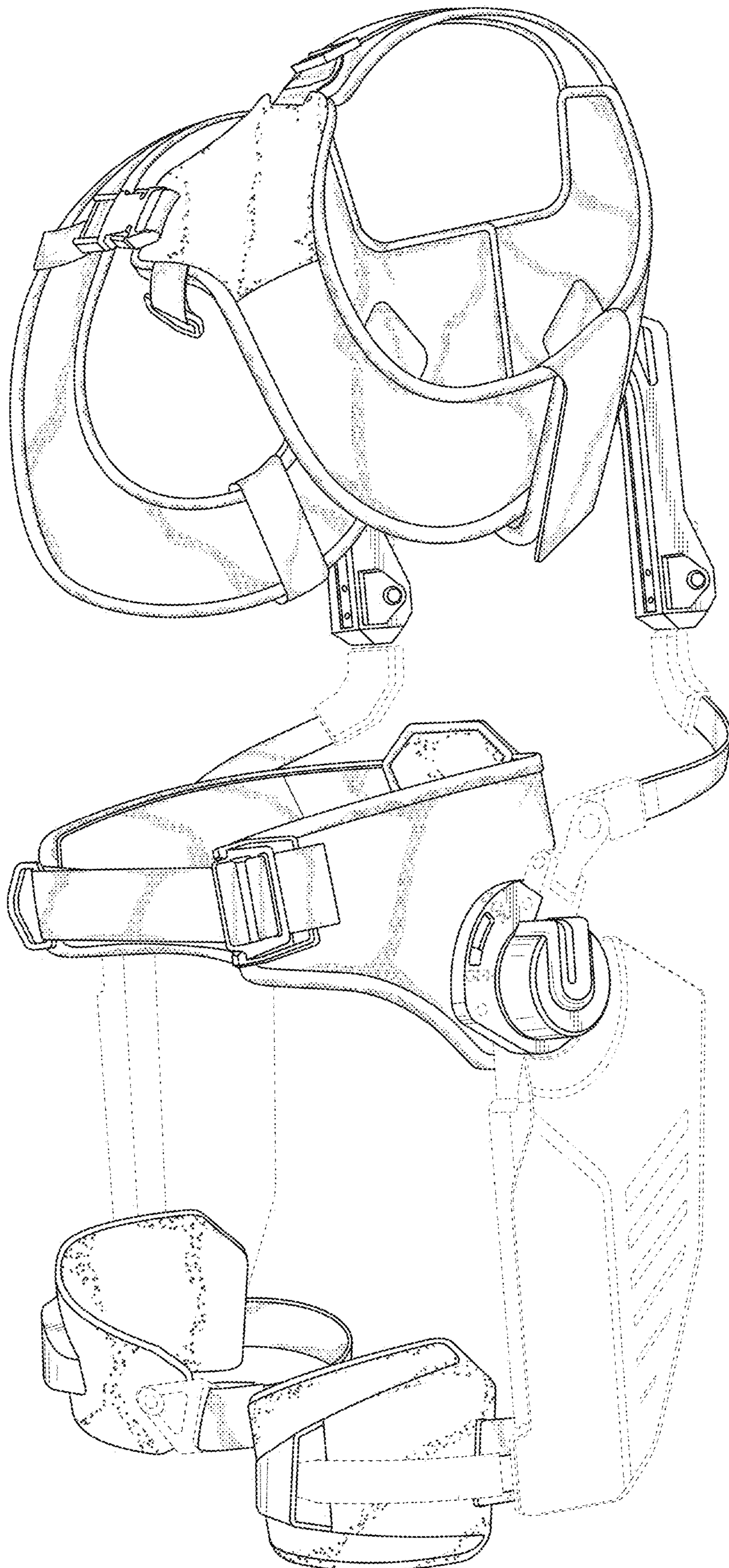


FIG. 1

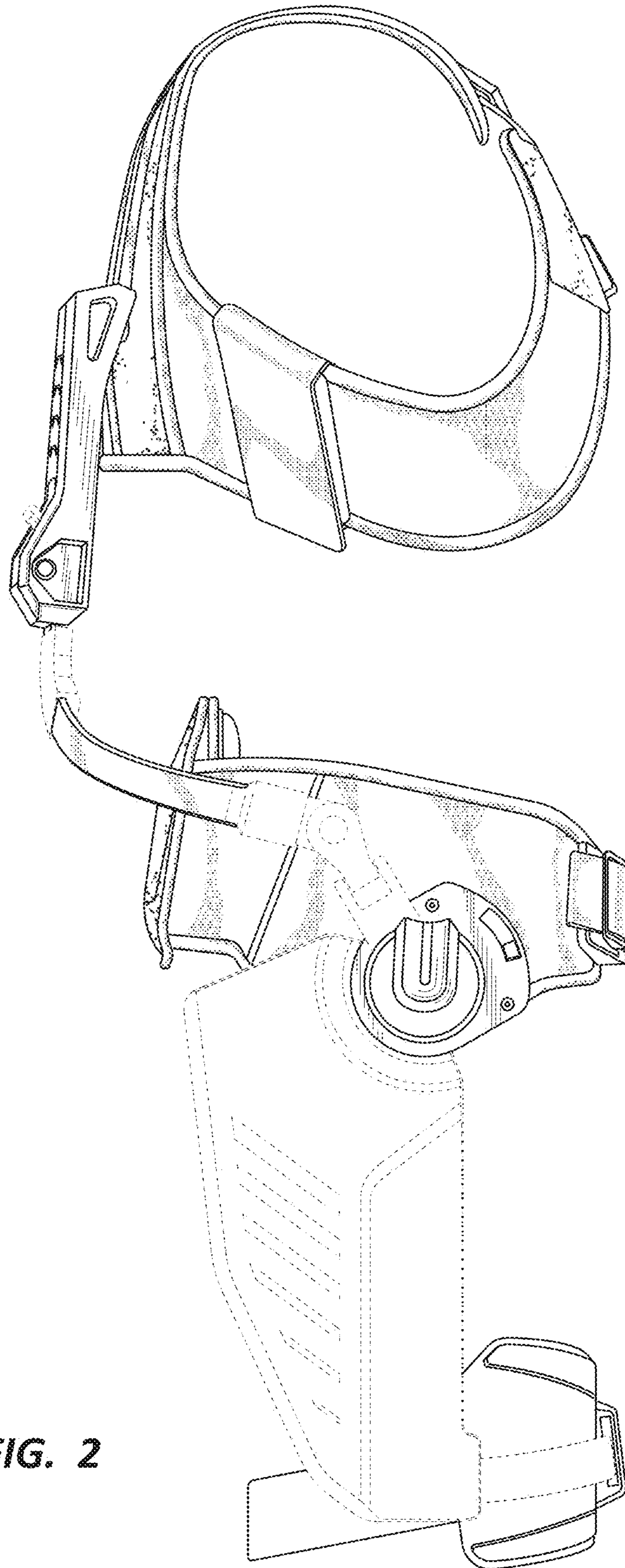


FIG. 2

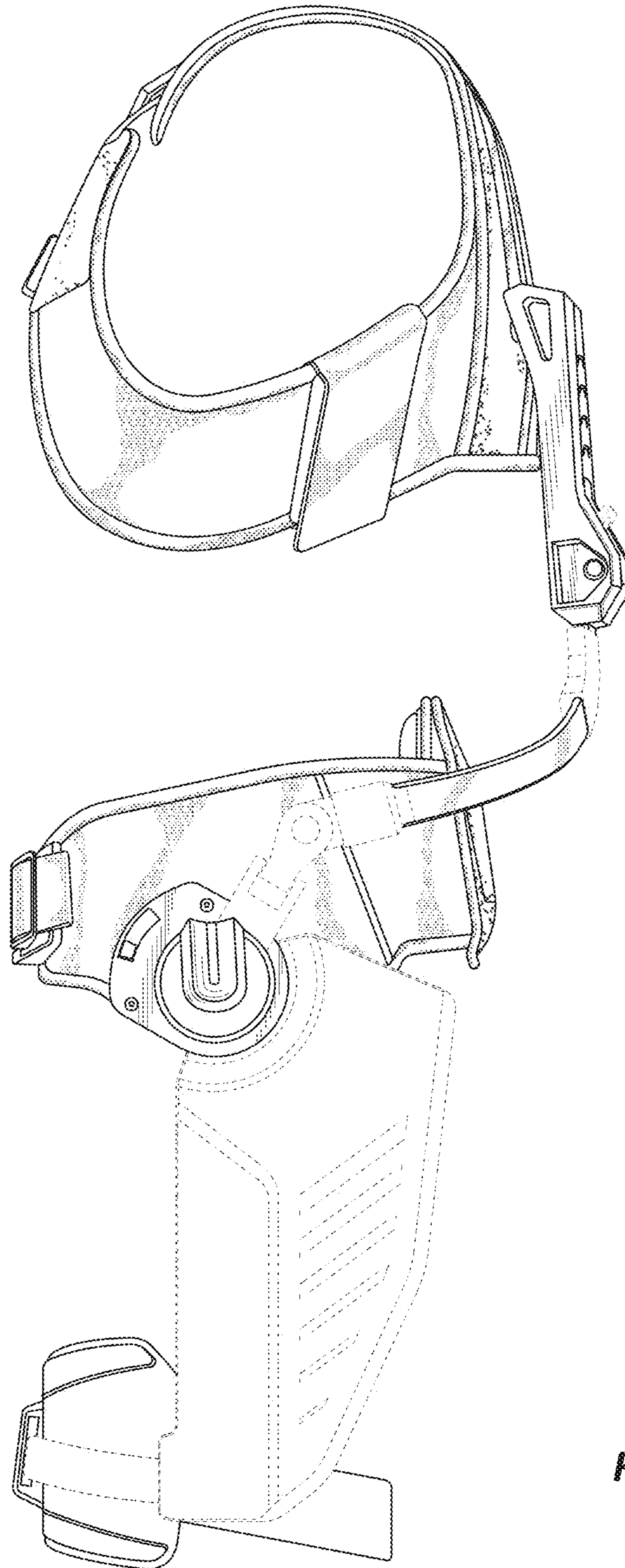


FIG. 3

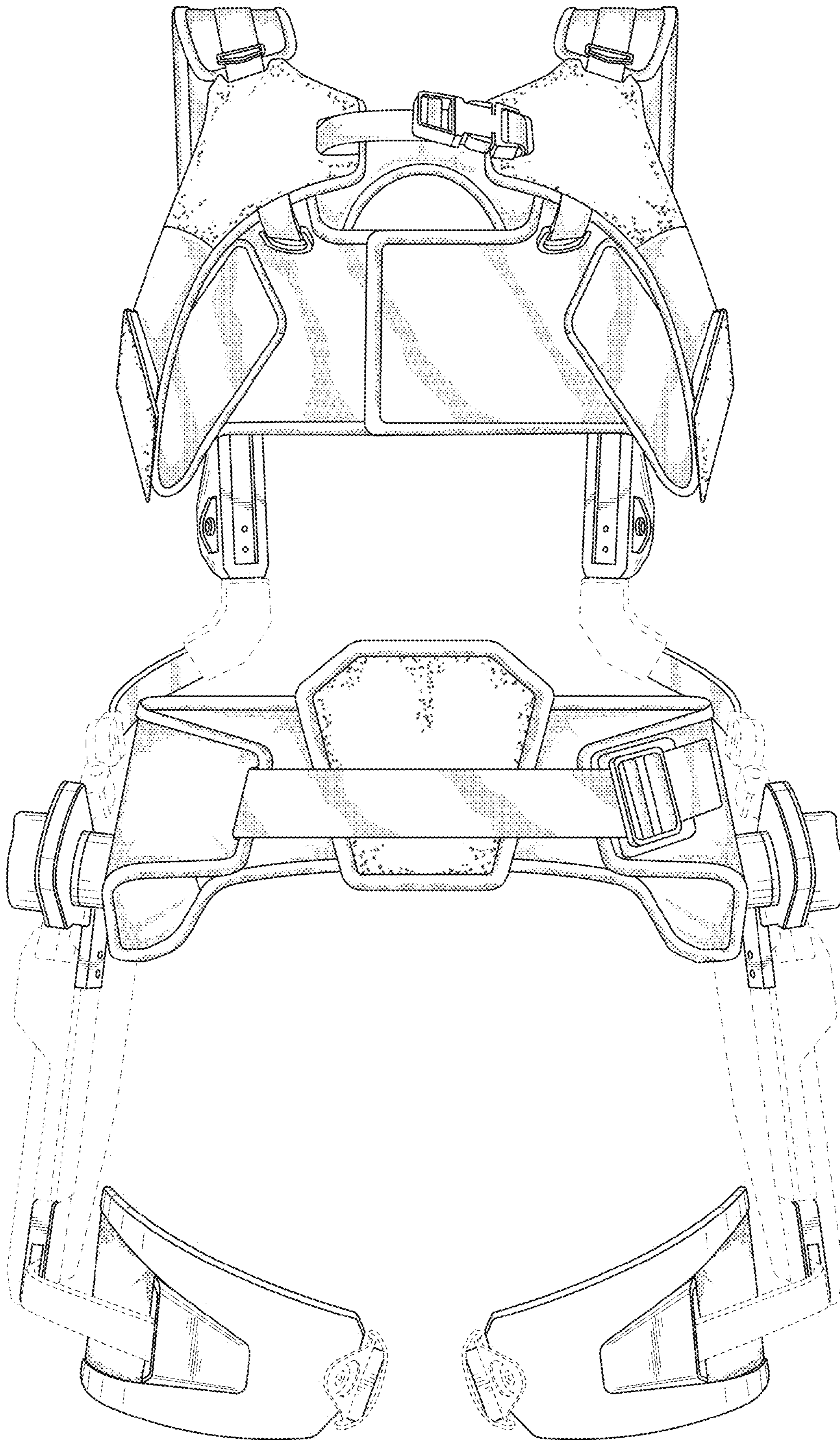


FIG. 4

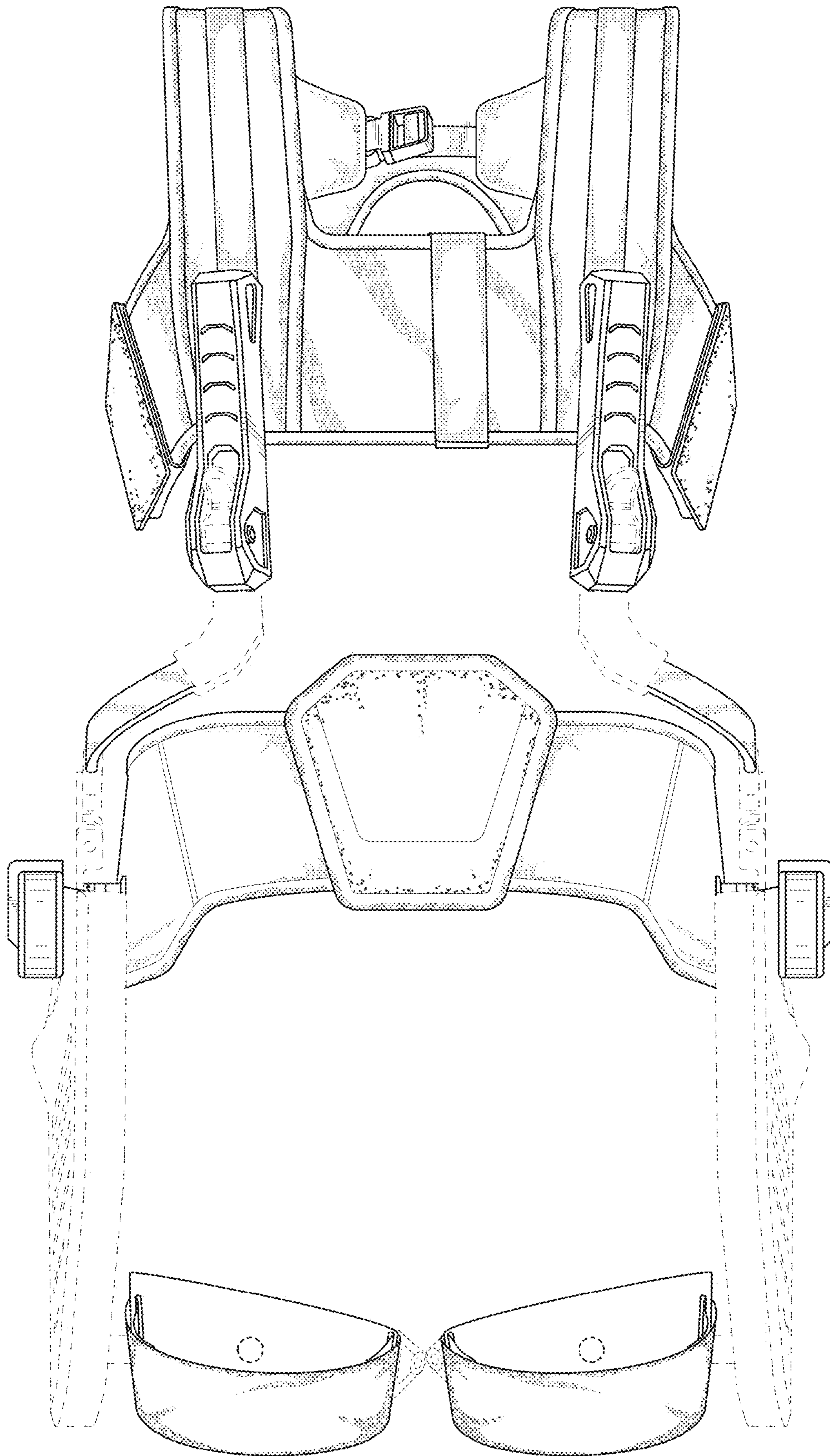


FIG. 5