



US0D1069132S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,069,132 S**
Bossenbroek et al. (45) **Date of Patent:** **** Apr. 1, 2025**

(54) **HAND ORTHOSIS**

(71) Applicant: **Manometric Holding B.V.**, The Hague (NL)

(72) Inventors: **Bart Marien Bossenbroek**, The Hague (NL); **Vincent Laagland**, The Hague (NL); **Daan Iskander Janssen**, The Hague (NL); **Martijn Robert Weiland**, The Hague (NL); **Pieter Smakman**, The Hague (NL)

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

(21) Appl. No.: **35/518,952**

(22) Filed: **Jun. 21, 2023**

(80) **Hague Agreement Data**

Int. Filing Date: **Jun. 21, 2023**

Int. Reg. No.: **DM/232778**

Int. Reg. Date: **Jun. 21, 2023**

Int. Reg. Pub. Date: **Nov. 10, 2023**

(51) **LOC (15) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/190**

(58) **Field of Classification Search**
USPC D24/155, 188, 189, 190, 191, 192, 200,
D24/206, 209; D29/113, 114, 120.1,
D29/120.2; D2/610, 621, 627
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,980,476 A * 11/1999 Wiederrich A61F 5/0118
602/21
D441,082 S * 4/2001 Ruscitti D24/190
(Continued)

FOREIGN PATENT DOCUMENTS

CN 308600895 * 4/2024
GB 6213939 * 6/2022
(Continued)

OTHER PUBLICATIONS

“Facebook: Manometric.” Found online May 30, 2024 at facebook.com. Reference dated Dec. 2, 2022. Retrieved from https://m.facebook.com/photo.php?fbid=604341888162239&set=a.509511130978649&type=3.*

(Continued)

Primary Examiner — Kendra Leslie Hamilton
Assistant Examiner — Elizabeth S Struble

(57) **CLAIM**

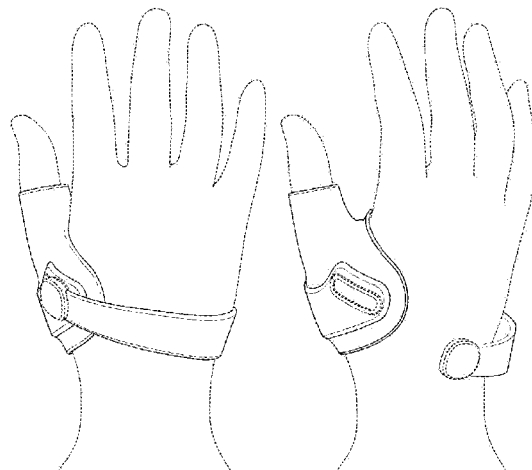
The ornamental design for a hand orthosis as shown and described.

DESCRIPTION

- 3. Hand orthosis
- 3.1: Perspective view, shown in a condition of use
- 3.2: Perspective view, shown in condition of use with the buckle detached
- 3.3: Perspective view, shown in condition of use
- 3.4: Left
- 3.5: Front
- 3.6: Right
- 3.7: Back
- 3.8 : Perspective
- 3.9: Top
- 3.10 : Bottom

The claimed design shows an organically-shaped orthosis having a protruding overlay surface with its width varying over its length. Reproduction 3.2 depicts the design with the buckle detached. In the drawings, the broken lines depict portions of the hand orthosis and form no part of the claimed design. The broken lines showing a hand in reproduction 3.1, 3.2, and 3.3 depict environmental subject matter and form no part of the claimed design. All broken lines form no part of the claim.

1 Claim, 10 Drawing Sheets



(58) **Field of Classification Search**

CPC A61F 5/0118; A61F 5/013; A61F 5/048;
 A61F 5/3761; A61F 5/3723; A61F 5/373;
 A61F 5/3738; A61F 5/05866
 See application file for complete search history.

FOREIGN PATENT DOCUMENTS

| | | | |
|----|----------------|---|---------|
| GB | 6219210 | * | 8/2022 |
| GB | 6252166 | * | 1/2023 |
| KR | 301201034.0000 | * | 1/2023 |
| WO | D232778-001 | * | 11/2023 |

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | | |
|--------------|----|---|---------|------------|-------|-----------------------|
| D665,470 | S | * | 8/2012 | Galbraith | ..... | D21/683 |
| D767,774 | S | * | 9/2016 | Wellendorf | ..... | D24/190 |
| D802,154 | S | * | 11/2017 | Ceccarelli | ..... | D24/190 |
| D900,326 | S | * | 10/2020 | Woo | ..... | D24/190 |
| D902,415 | S | * | 11/2020 | Eriksson | ..... | D24/190 |
| D1,004,785 | S | * | 11/2023 | Dillingham | ..... | D24/190 |
| D1,012,299 | S | * | 1/2024 | Liao | ..... | D24/190 |
| 2008/0086069 | A1 | * | 4/2008 | Busuttil | ..... | A61F 5/0118 602/21 |
| 2015/0374528 | A1 | * | 12/2015 | Mueller | ..... | A61F 5/0118 602/21 |
| 2018/0055672 | A1 | * | 3/2018 | Erwin | ..... | A61F 5/0118 |
| 2023/0346583 | A1 | * | 11/2023 | Smakman | ..... | A61F 5/05866 |

OTHER PUBLICATIONS

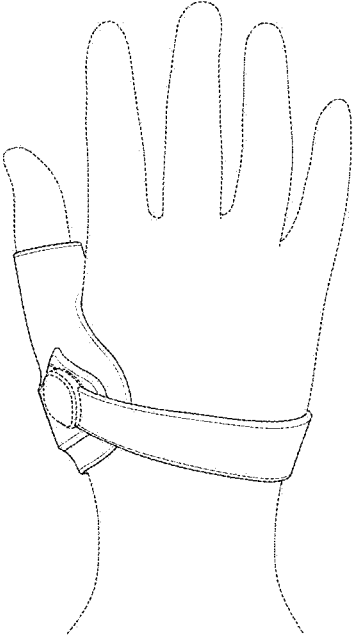
“Orfit: The Volar Wrist Cock-up Orthosis.” Found online May 30, 2024 at [orfit.com](https://www.orfit.com). Reference dated Feb. 20, 2018. Retrieved from <https://www.orfit.com/physical-rehabilitation/blog/the-volar-wrist-cock-up-orthosis>.*

“Push: MetaGrip CMC Thumb Brace.” Found online May 30, 2024 at [amazon.com](https://www.amazon.com). Reference dated Nov. 20, 2013. Retrieved from <https://www.amazon.com/MetaGrip-Thumb-Brace-Relief-Osteoarthritis/dp/B00GT0YYUW>.*

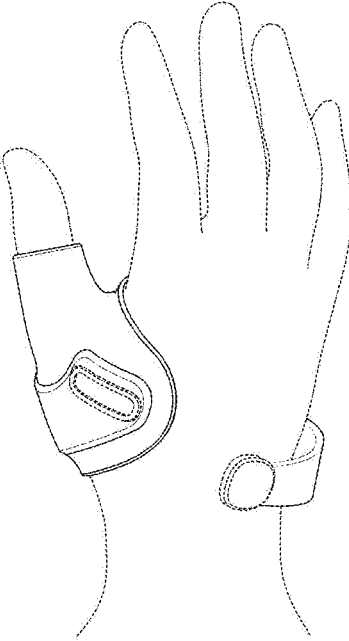
“OSK: Soft Functional Resting Hand Splint for Flexion Contractures.” Found online May 29, 2024 at [amazon.com](https://www.amazon.com). Reference dated Nov. 3, 2020. Retrieved from <https://www.amazon.com/Functional-Resting-Splint-Flexion-Contractures/dp/B08MT4ZRRZ?th=1>.*

* cited by examiner

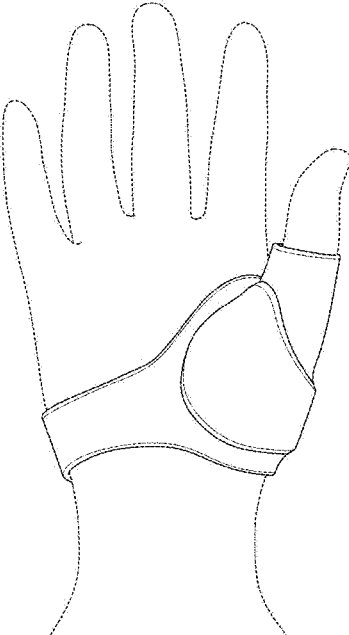
3.1



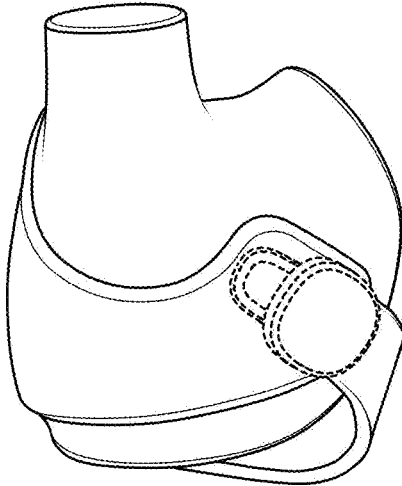
3.2

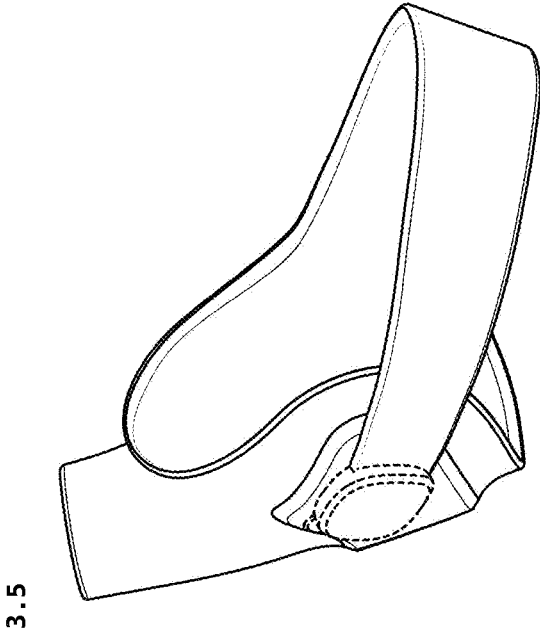


3.3

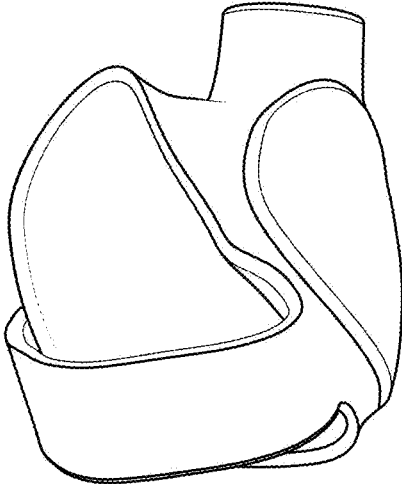


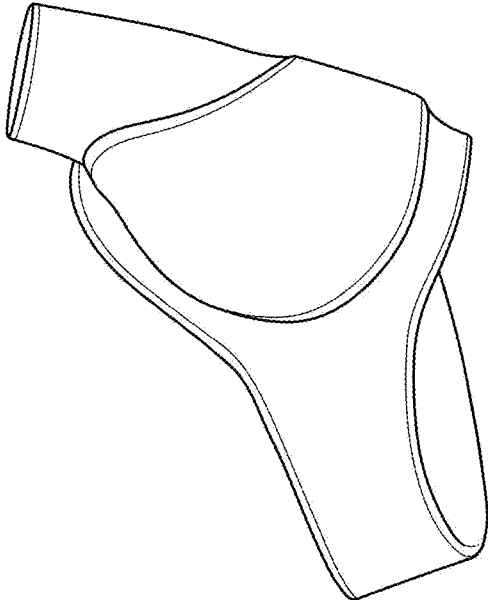
3.4



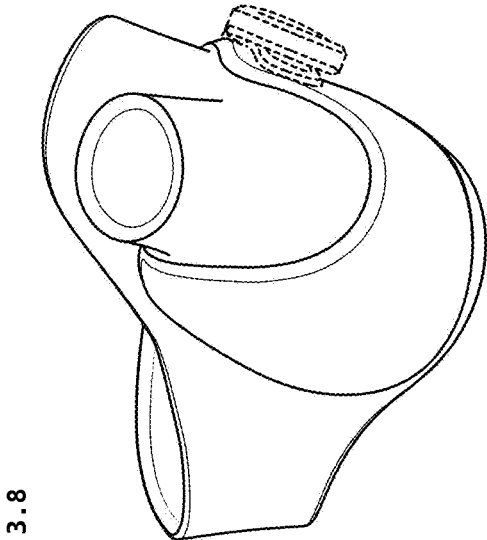


3.6



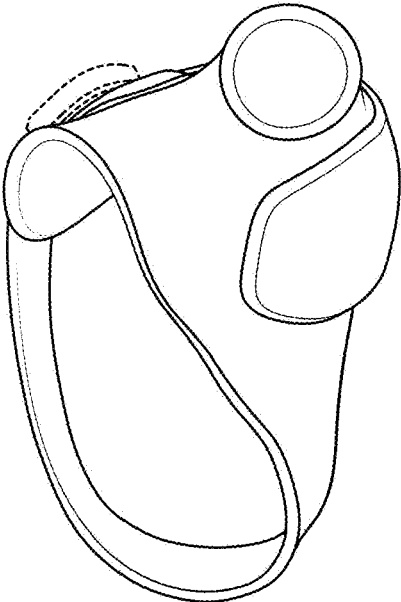


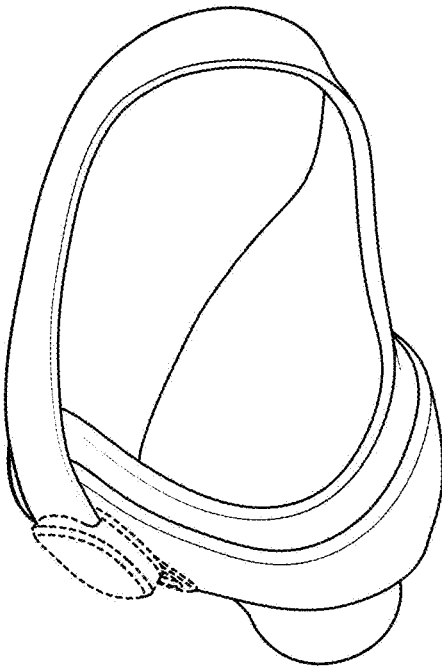
3.7



3.8

3.9





3.10