

US0D1096613S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,096,613 S**
Underhill et al. (45) **Date of Patent:** **** Oct. 7, 2025**

(54) **JUMP STARTING DEVICE**

(71) Applicant: **THE NOCO COMPANY**, Glenwillow, OH (US)

(72) Inventors: **Derek Michael Underhill**, Tempe, AZ (US); **Jonathan Lewis Nook**, Gates Mills, OH (US)

(73) Assignee: **The Noco Company**, Glenwillow, OH (US)

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

(21) Appl. No.: **29/865,652**

(22) Filed: **Aug. 5, 2022**

Related U.S. Application Data

(63) Continuation of application No. 29/759,033, filed on Nov. 19, 2020, now Pat. No. Des. 960,090.

(51) **LOC (15) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/107**

(58) **Field of Classification Search**
USPC D13/107, 108, 110, 118, 119, 120, 184, D13/199

CPC Y02T 90/12; Y02T 10/7072; Y02T 10/70;
H02J 7/00; H02J 7/0044; H02J 7/00036;
H02J 7/14; H02J 7/342; B60L 53/30;
B60L 53/31; H01M 10/46; H01M 10/625;
F02N 11/12; F02N 11/14

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,057,313 A 11/1977 Polizzano
D307,579 S 5/1990 Layne
5,019,767 A 5/1991 Shirai et al.
D336,281 S 6/1993 Nakamura

5,585,992 A 12/1996 Wu
5,795,182 A 8/1998 Jacob
5,820,407 A 10/1998 Morse
5,833,493 A 11/1998 Hung
5,847,541 A 12/1998 Hahn
5,985,481 A 11/1999 Champagne
6,002,235 A 12/1999 Clore
6,386,907 B1 5/2002 Ruffa
6,471,540 B1 10/2002 Fernandez
D465,764 S 11/2002 Salazar
D483,721 S 12/2003 Kim
D485,810 S 1/2004 Fiocchi
D511,743 S 11/2005 Hriscu
D524,731 S 7/2006 Navarrez

(Continued)

OTHER PUBLICATIONS

Trademark U.S. Appl. No. 86/030,590, filed Aug. 6, 2013, including drawing and sample.

(Continued)

Primary Examiner — Christy Nemeth

(74) *Attorney, Agent, or Firm* — Jones Day

(57) **CLAIM**

The ornamental design for a jump starting device, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a new design for a jump starting device;

FIG. 2 is a top plan view thereof;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a front elevational view thereof;

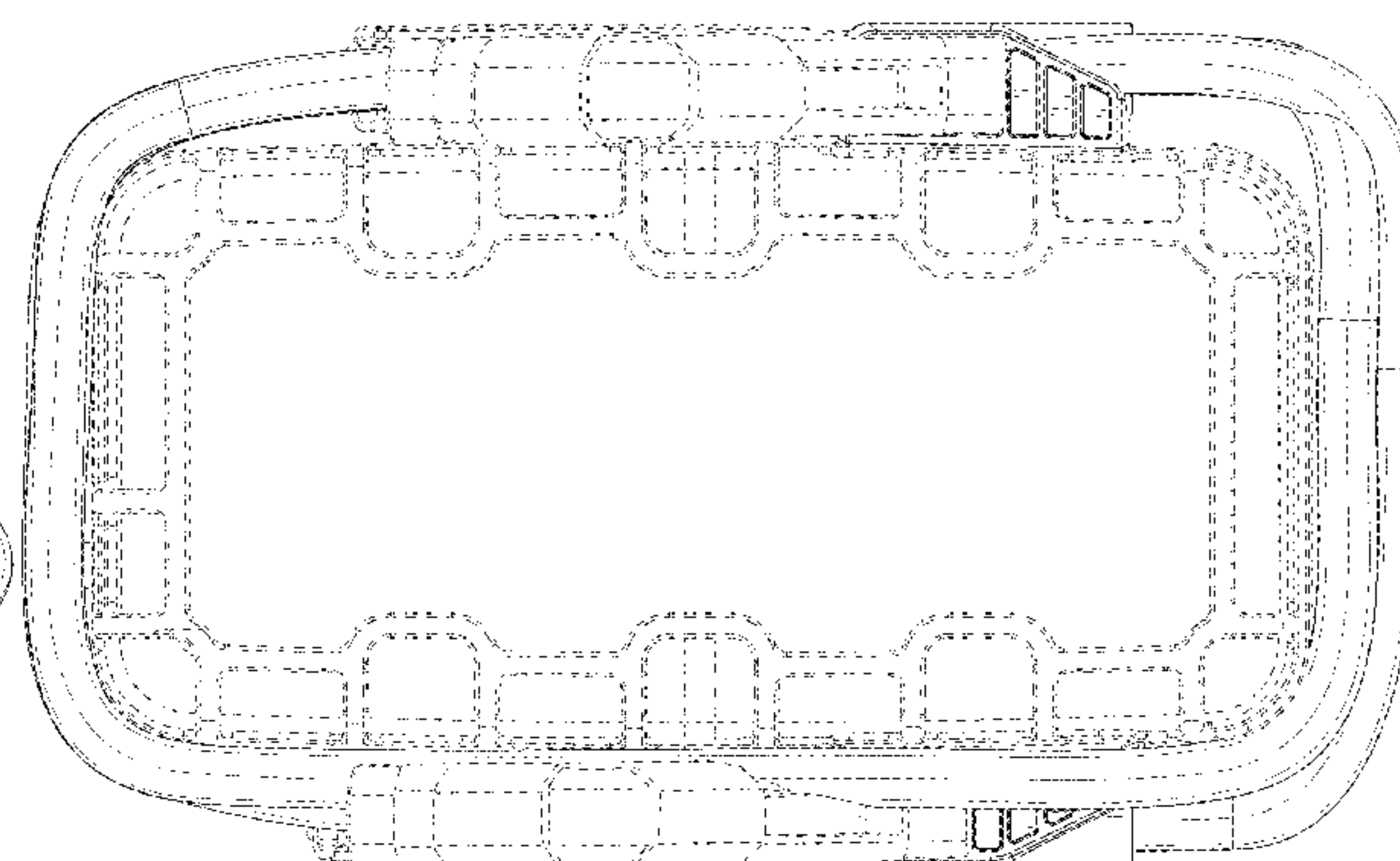
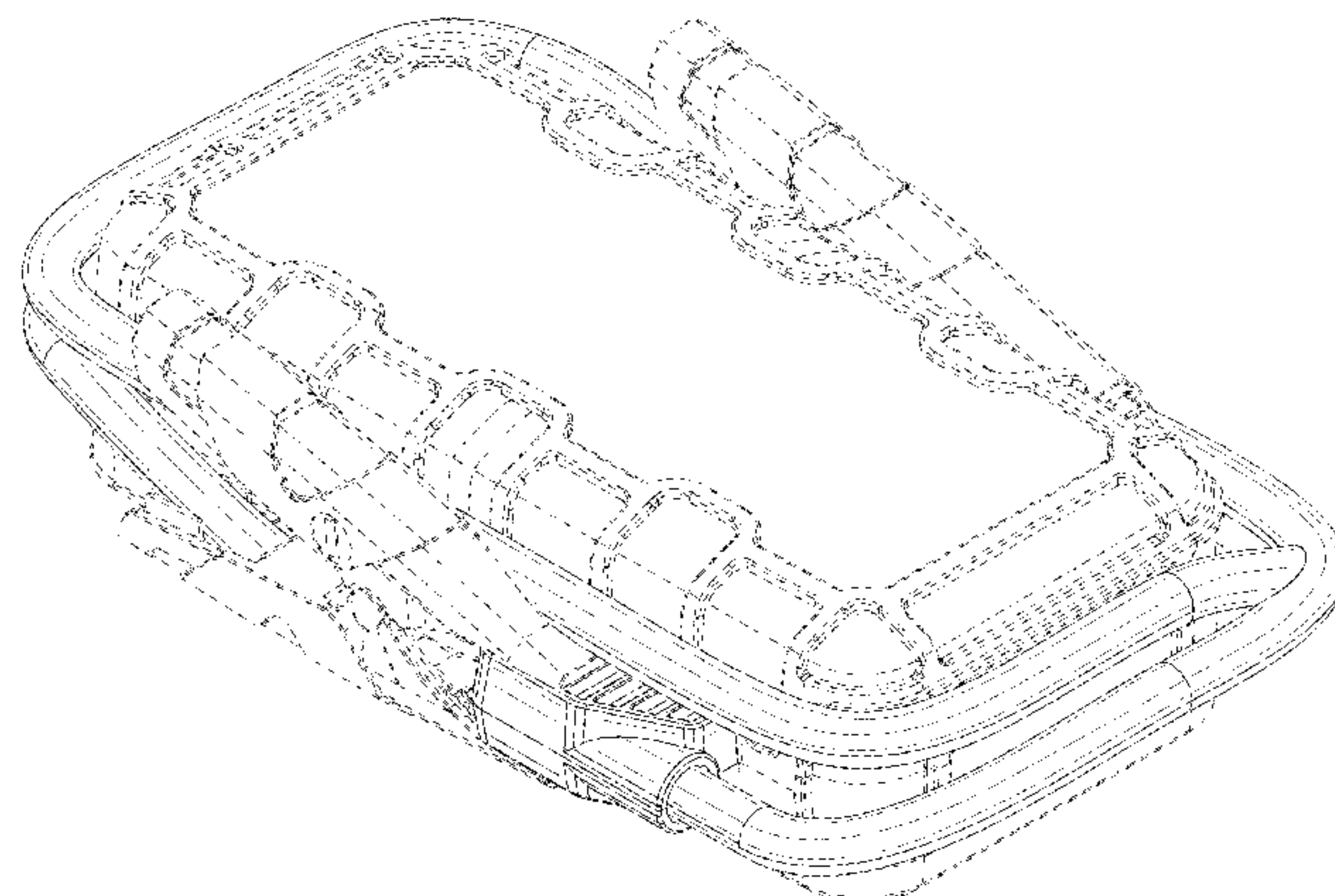
FIG. 5 is a rear elevational view thereof;

FIG. 6 is a right side elevational view thereof; and,

FIG. 7 is a left side elevational view thereof.

The broken lines in the drawing illustrate portions of the article that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D570,772 S	6/2008	Mahaffey	
D575,225 S	8/2008	Ahlgren	
D580,853 S	11/2008	Ahlgren	
D597,029 S	7/2009	Li	
D624,014 S	9/2010	Lingott	
D634,313 S	3/2011	Fitzpatrick et al.	
D654,854 S	2/2012	Inskeep	
D654,855 S	2/2012	Inskeep	
D654,856 S	2/2012	Inskeep	
D654,867 S	2/2012	Huppe	
D661,249 S	6/2012	Smith	
D664,501 S	7/2012	Inskeep	
D681,550 S	5/2013	Corbin	
D684,116 S	6/2013	Inskeep	
D687,768 S	8/2013	Minamikawa	
D694,176 S	11/2013	Buetow et al.	
D694,180 S ‡	11/2013	Inskeep	D13/107
D701,490 S ‡	3/2014	Inskeep	D13/110
D711,821 S ‡	8/2014	Wang	D13/108
D731,422 S	6/2015	Aromin	
D738,825 S	9/2015	Nook	
D742,822 S	11/2015	Ju	
D744,942 S	12/2015	Bates	
D745,455 S *	12/2015	Nook	D13/103
D746,770 S *	1/2016	Nook	D13/103
D746,774 S *	1/2016	Nook	D13/120
D755,121 S	5/2016	Barajas	
D757,650 S	5/2016	Faust	
D758,302 S	6/2016	Walker	
D758,960 S	6/2016	Johansson	
D760,164 S	6/2016	Aida	
D769,188 S ‡	10/2016	Miller	D13/108
D775,587 S	1/2017	Barajas	
D785,563 S	5/2017	Yang	
D786,192 S	5/2017	Liu	
D786,790 S ‡	5/2017	Miller	D13/108
D787,443 S ‡	5/2017	Chiang	D13/110
D793,955 S	8/2017	Yang	
D797,044 S ‡	9/2017	Miller	D13/108
D803,151 S	11/2017	Zhou	
D808,653 S ‡	1/2018	Rayeski	D3/273
D809,454 S	2/2018	Zhou	
D813,162 S	3/2018	Krantz	
D814,406 S *	4/2018	Yang	D13/107
D814,407 S *	4/2018	Yang	D13/107
D814,408 S *	4/2018	Yang	D13/107
D816,024 S *	4/2018	Yang	D13/107
D821,306 S ‡	6/2018	Liu	D13/107
D828,295 S ‡	9/2018	Li	D13/108
D829,647 S	10/2018	Yang	
D832,207 S	10/2018	Gorin	
D832,781 S *	11/2018	Nook	D13/107
D836,064 S	12/2018	Liu	
D836,067 S	12/2018	Tschopp	
D836,068 S *	12/2018	Nook	D13/120
D838,669 S ‡	1/2019	Miller	D13/108
D840,927 S	2/2019	Inskeep	
D842,238 S	3/2019	Qiu	
D845,230 S ‡	4/2019	Nook	D13/107
D845,892 S	4/2019	Shum	
D860,177 S	9/2019	Robins	
D861,597 S	10/2019	Gan	
D866,457 S	11/2019	Liu	
D866,463 S	11/2019	Hui	
D867,985 S ‡	11/2019	Nook	D13/107
D870,035 S	12/2019	Yang	
D871,322 S ‡	12/2019	Nook	D13/107
D872,011 S	1/2020	Rao	
D872,012 S	1/2020	Rao	
D881,813 S *	4/2020	Nook	D13/120
D883,925 S ‡	5/2020	Yoon	D13/108
D884,605 S	5/2020	Sun	
D884,608 S *	5/2020	Gan	D13/103
D885,329 S	5/2020	Gan	
D892,726 S	8/2020	Wang	
D892,727 S	8/2020	Gan	
D896,749 S *	9/2020	Wu	D13/107
D902,851 S ‡	11/2020	Wu	D13/107
D903,588 S ‡	12/2020	Shoemake	D13/108
D911,286 S *	2/2021	Esses	D13/120
D911,936 S ‡	3/2021	Miller	H02J 1/122
D911,949 S ‡	3/2021	Sun	D13/108
D911,950 S ‡	3/2021	Zhang	D13/108
D913,917 S *	3/2021	Finocchiaro	D13/107
D913,931 S *	3/2021	Nook	D13/120
D916,012 S *	4/2021	Finocchiaro	D13/107
D916,015 S ‡	4/2021	Li	D13/108
D918,830 S	5/2021	Chen	
D919,572 S *	5/2021	Lei	D13/110
D922,945 S ‡	6/2021	Sun	D13/108
D923,564 S ‡	6/2021	Liao	D13/108
D924,132 S ‡	7/2021	Turksu	D13/108
D926,123 S *	7/2021	Zhu	D13/107
D926,124 S ‡	7/2021	Zhu	D13/107
D930,578 S ‡	9/2021	Zheng	D13/107
D934,793 S ‡	11/2021	Shu	D13/107
D937,197 S ‡	11/2021	Hao	D13/103
D937,762 S ‡	12/2021	Chung	D13/107
D937,763 S ‡	12/2021	Wang	D13/107
D939,435 S	12/2021	Feng	
D942,931 S *	2/2022	Fang	D13/110
D943,516 S *	2/2022	Wang	D13/107
D944,191 S	2/2022	Wang	
D958,069 S *	7/2022	Tang	D13/103
D960,090 S *	8/2022	Underhill	D13/107
D960,827 S *	8/2022	Wu	D13/107
D967,013 S *	10/2022	Underhill	D13/107
11,584,243 B2 *	2/2023	Nook	H02J 1/122
D981,333 S *	3/2023	Underhill	D13/107
D981,334 S *	3/2023	Underhill	D13/107
D981,335 S *	3/2023	Underhill	D13/107
D981,336 S *	3/2023	Underhill	D13/107
D981,337 S *	3/2023	Underhill	D13/107
D981,953 S *	3/2023	Underhill	D13/103
D983,748 S *	4/2023	Zhu	D13/120
D988,257 S *	6/2023	Underhill	D13/107
D988,988 S *	6/2023	Underhill	D13/107
D988,989 S *	6/2023	Underhill	D13/107
D988,990 S *	6/2023	Underhill	D13/107
D991,162 S *	7/2023	Underhill	D13/107
D991,185 S *	7/2023	Underhill	D13/133
D993,910 S *	8/2023	Underhill	D13/107
D993,911 S *	8/2023	Underhill	D13/107
D1,002,525 S *	10/2023	Lou	D13/107
D1,005,954 S *	11/2023	Shu	D13/120
D1,010,573 S *	1/2024	Zeng	D13/108
D1,016,007 S *	2/2024	Zeng	D13/108
D1,021,772 S *	4/2024	Underhill	D13/107
D1,025,891 S *	5/2024	Hua	D13/184
D1,026,804 S *	5/2024	Lou	D13/133
D1,027,828 S *	5/2024	Yan	D13/107
D1,032,505 S *	6/2024	Yan	D13/107
D1,032,519 S *	6/2024	Huang	D13/110
D1,052,520 S *	11/2024	Lei	D13/107
D1,055,858 S *	12/2024	Chen	D13/120
D1,063,831 S *	2/2025	Underhill	D13/107
2006/0201558 A1	9/2006	Marty et al.	
2008/0213653 A1	9/2008	Marukawa et al.	
2009/0237031 A1	9/2009	McSweyn	
2011/0116861 A1	5/2011	Zhang et al.	
2011/0230081 A1	9/2011	Rinehardt	
2013/0164600 A1	6/2013	Roskamp et al.	
2014/0184898 A1	7/2014	Overliese et al.	
2015/0054336 A1	2/2015	Xinfang	
2015/0099151 A1	4/2015	Lavender	
2016/0072323 A1 ‡	3/2016	Miller	H02J 7/342 320/105
2016/0359352 A1	12/2016	Chiu	
2017/0012448 A1 ‡	1/2017	Miller	H02J 7/342
2017/0346140 A1	11/2017	Koebler	
2018/0269703 A1 *	9/2018	Nook	H01M 50/50
2018/0342891 A1 *	11/2018	Nook	H01M 50/553
2019/0222042 A1	7/2019	Nook	

(56)

References Cited

U.S. PATENT DOCUMENTS

2020/0227937	A1	7/2020	Lu	
2021/0075235	A1	3/2021	Nook	
2021/0094428	A1	4/2021	Nook	 H02J 7/0063
2021/0296913	A1	9/2021	Nook	

OTHER PUBLICATIONS

“Amazon Basics Battery Charger” Found online 03/08/22 at amazon.com. Reference dated Jan. 18, 2020. Retrieved from https://www.amazon.com/AmazonBasics-Battery-Charger-Volt-800mA/dp/B07TTNV9LZ/ref=psdc_15707061_t1_B00DJ5KEEA?th=1 (Year: 2020).

“Battery Tender Plus Battery Charger” Found online Mar. 8, 2022 at amazon.com. Reference dated Jan. 20, 2007. Retrieved from https://www.amazon.com/dp/B00DJ5KEEA/ref=sspa_dk_detail_8 (Year: 2007).

“BeatIt Jump Starter” Found online May 20, 2021 at amazon.com. Reference dated Dec. 24, 2018. Retrieved from https://www.amazon.com/BEATIT-21000mAh-Portable-Inverter-BP101/dp/807M9M86JM/ref=psdc_318336011_t5_B084BWGWYHY (Year: 2018).

“Durst Battery Charger” Found online Apr. 4, 2022 at durst.com.au. Reference dated Mar. 9, 2010. Retrieved from https://tineye.com/search/1ec8f16116e1710356e88efedb9dfccdcdbde769?sort=crawl_date&order=asc&page=1 (Year: 2010).

“MotoPower Battery Charger” Found online Mar. 8, 2022 at amazon.com. Reference dated Dec. 2, 2017. Retrieved from https://www.amazon.com/MOTORPOWER-MP00205A-Automatic-Battery-Maintainer/dp/B06XWDZ2KQ/ref=pd_day0fbt_img_2/133-1437029-9147658 (Year: 2017).

“Noco Boost Max GB251” Found online Mar. 16, 2022 at amazon.com. Reference dated Jan. 27, 2021. Retrieved from <https://www.amazon.com/NOCO-GB251-Ultrsafe-Commercial-32-Liters/dp/B08V73BZ42> (Year: 2021).

“Noco Boost GB70 Jump Starter” Found online Mar. 8, 2022 at amazon.com. Reference dated Jan. 1, 2010. Retrieved from https://www.amazon.com/dp/B016UG6PWE?ref=emc_p_m_5_1 (Year: 2010).

“Noco Genius G750 Battery Charger” Found online Mar. 8, 2022 at youtube.com. Reference dated Jul. 10, 2015. Retrieved from <https://www.youtube.com/watch?v=LnBf30-5lyU> (Year: 2015).

“Noco Boost Pro GB150 Jump Starter” Found online Mar. 8, 2022 at amazon.com. Reference dated Sep. 1, 2015. Retrieved from https://www.amazon.com/dp/B015TKSSB8?ref=emc_p_m_5_1 (Year: 2015).

“Noco GBX55 Jump Starter” Found online Mar. 18, 2022 at amazon.com. Reference dated Feb. 22, 2021. Retrieved from <https://www.amazon.com.au/NOCO-GBX55-Ultrsafe-Powerbank-7-5-Liter/dp/B08WZKRHZZ> (Year: 2021).

“Noco Boost XL GB50 Jump Starter” Found online Mar. 17, 2022 at amazon.com. Reference dated Jan. 16, 2019. Retrieved from <https://www.amazon.com/NOCO-GB50-Ultrsafe-Lithium-Gasoline/dp/B07MVY7K43> (Year: 2019).

“Noco Genius 2x4 Charger” Found online Apr. 1, 2022 at amazon.com. Reference dated Aug. 15, 2020. Retrieved from <https://www.amazon.com/dp/B08FYS6CL8> (Year: 2020).

“Noco Genius 2x2 Charger” Found online Mar. 8, 2022 at amazon.com. Reference dated Jul. 31, 2020. Retrieved from https://www.amazon.com/dp/808F37P7H3?ref=emc_p_m_5_1 (Year: 2020).

“Noco Genius 10 Charger” Found online Mar. 8, 2022 at amazon.com. Reference dated Nov. 18, 2019. Retrieved from https://www.amazon.com.au/NOCO-GENIUS10-Fully-Automatic-Temperature-Compensation/dp/B07W3QT226/ref=psdc_15707061_t2_B07W8KJH44 (Year: 2019).

“Noco Genius 5 Smart Charger” Found online Mar. 8, 2022 at amazon.com. Reference dated Nov. 18, 2019. Retrieved from https://www.amazon.com/dp/B07W8KJH44?ref=emc_p_m_5_1 (Year: 2019).

“Noco Genius 1 Charger” Found online Mar. 8, 2022 at amazon.com. Reference dated Nov. 18, 2019. Retrieved from <https://www.amazon.com/NOCO-GENIUS1-Fully-Automatic-Temperature-Compensation/dp/B07W46BX31> (Year: 2019).

“Redarc Battery Charger” Found online Apr. 4, 2022 at allplant.net.au. Reference dated Nov. 4, 2016. Retrieved from https://tineye.com/search/90925c60e27321fa89cba970b4406754770123af?sort=crawl_date&order=asc&page=1 (Year: 2016).

“Renogy On-Board Battery Charger” Found online Apr. 4, 2022 at amazon.com. Reference dated Apr. 2, 2018. Retrieved from <https://www.amazon.com/Renogy-Battery-Batteries-Multi-stage-Charging/dp/B07Q5VYPCF?th=1> (Year: 2018).

“Victron Energy Charger” Found online Apr. 4, 2022 at amazon.com. Reference dated Sep. 27, 2020. Retrieved from https://www.amazon.com/Orion-Tr-12-30A-Isolated-Charger-Booster/dp/B07ZKG396Y/ref=pd_lpo_2?pd_rd_i=B07ZKG396Y&th=1 (Year: 2020).

“Yonhan Battery Charger” Found online Mar. 8, 2022 at amazon.com. Reference dated Jun. 9, 2020. Retrieved from https://www.amazon.com/Automotive-Battery-Automatic-Motorcycle-YONHAN/dp/B089VRXB2W/ref=psdc_15707061-t5-B09HGYMP7D (Year: 2020).

* cited by examiner
‡ imported from a related application

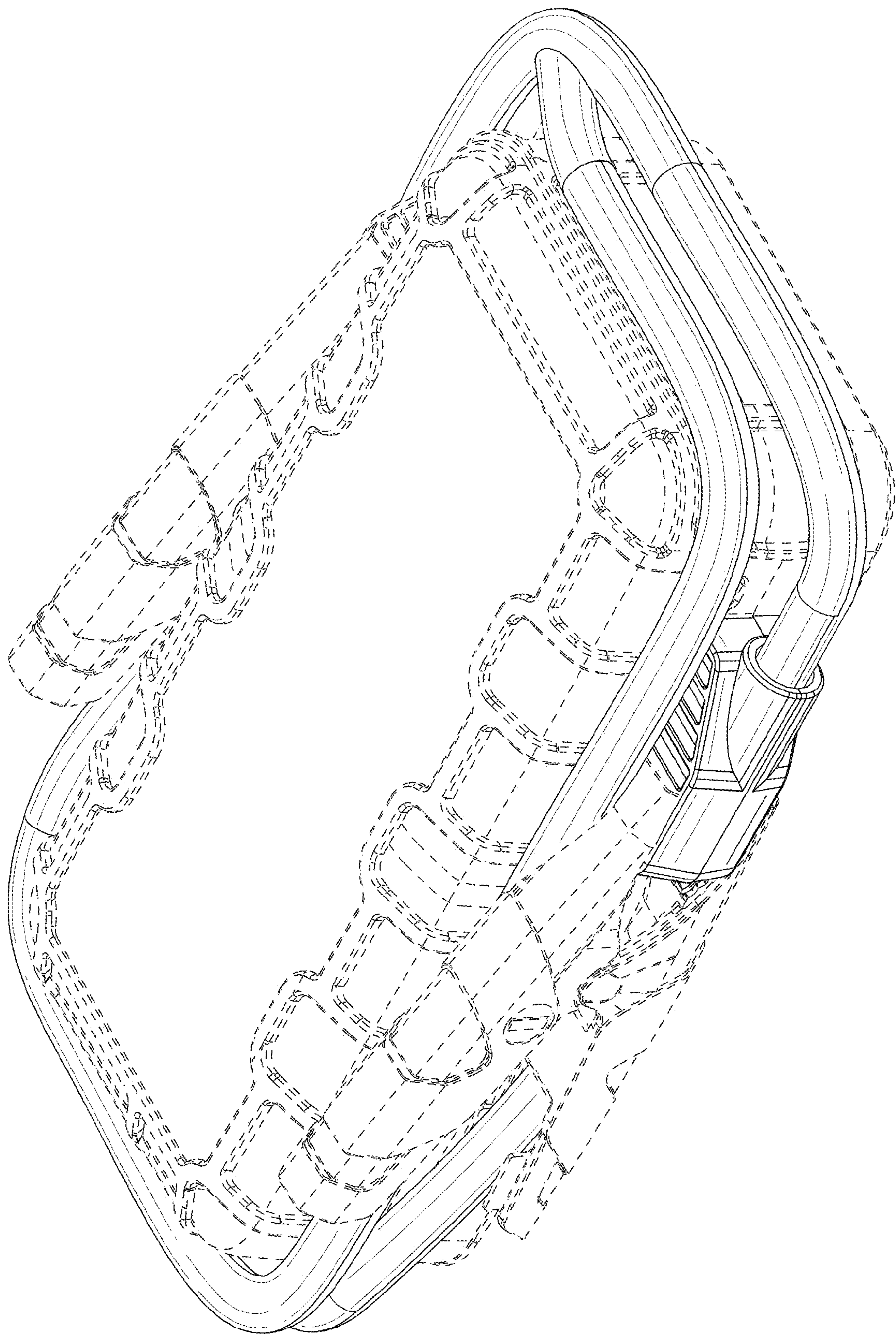


FIG. 1

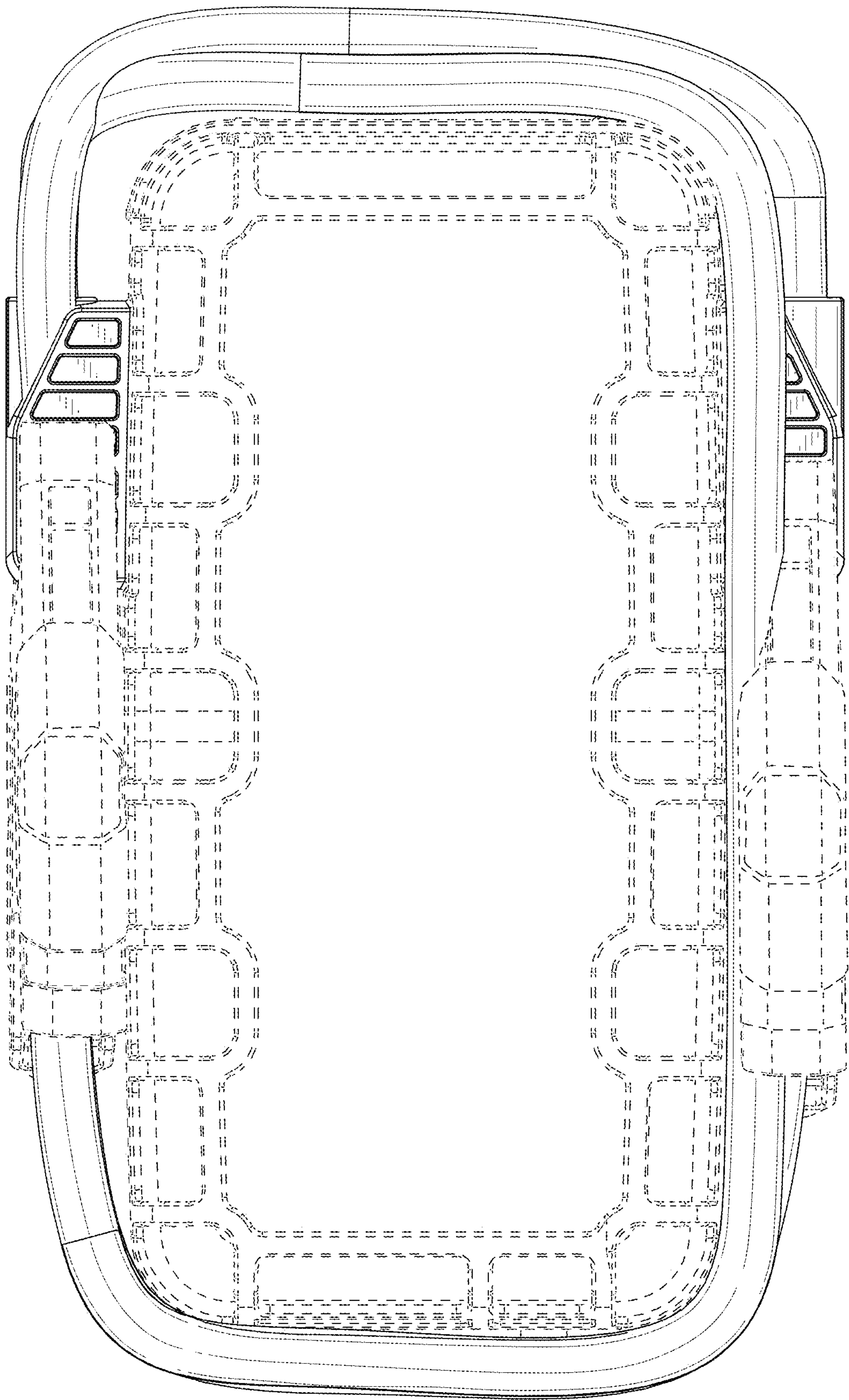


FIG. 2

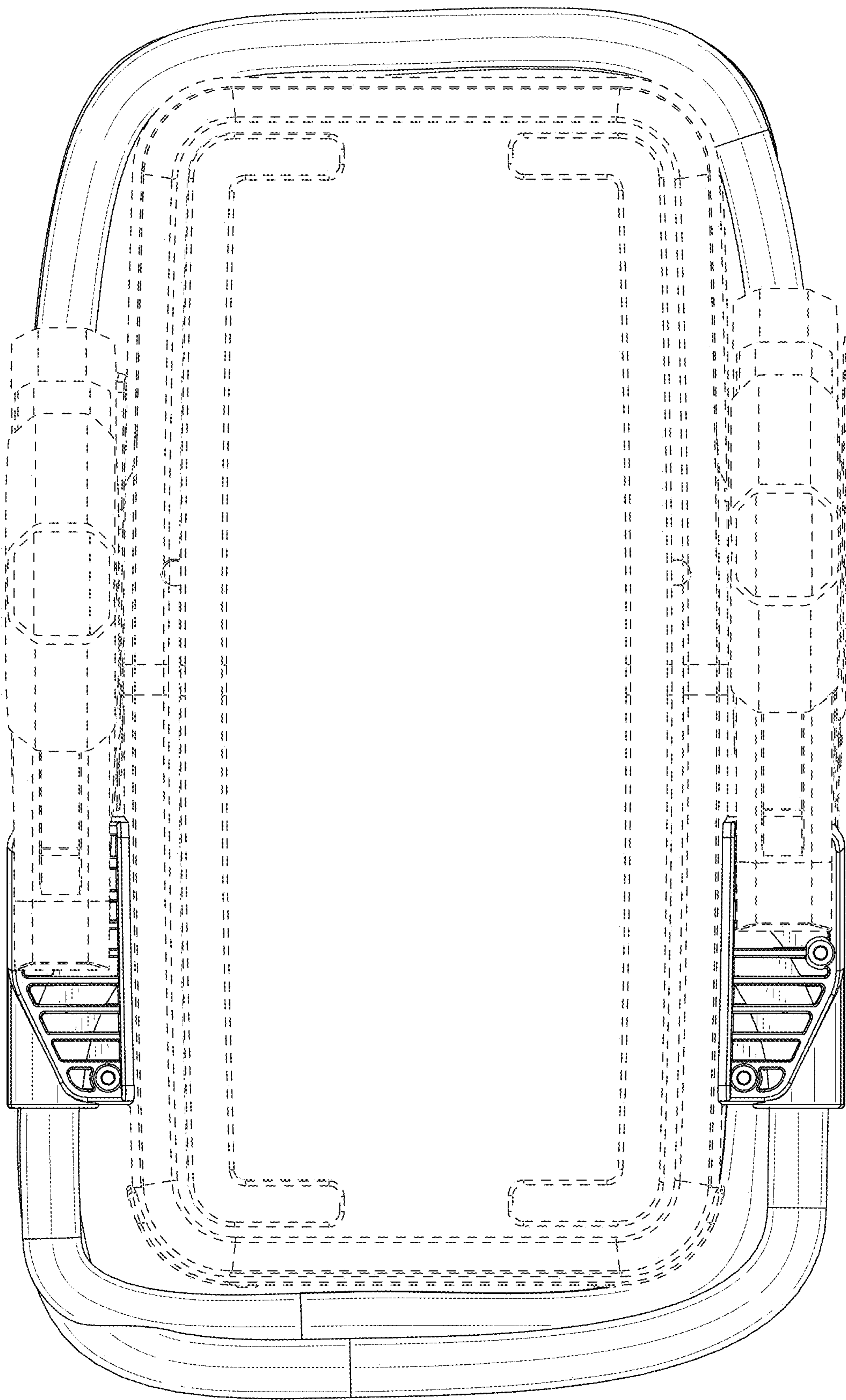


FIG. 3

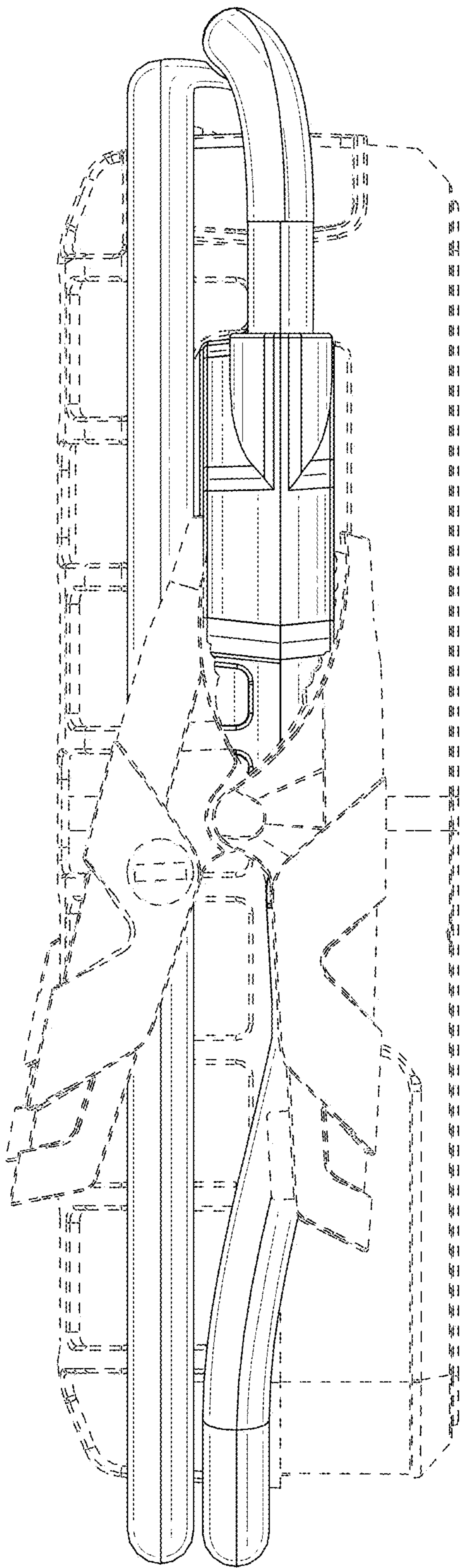


FIG. 4

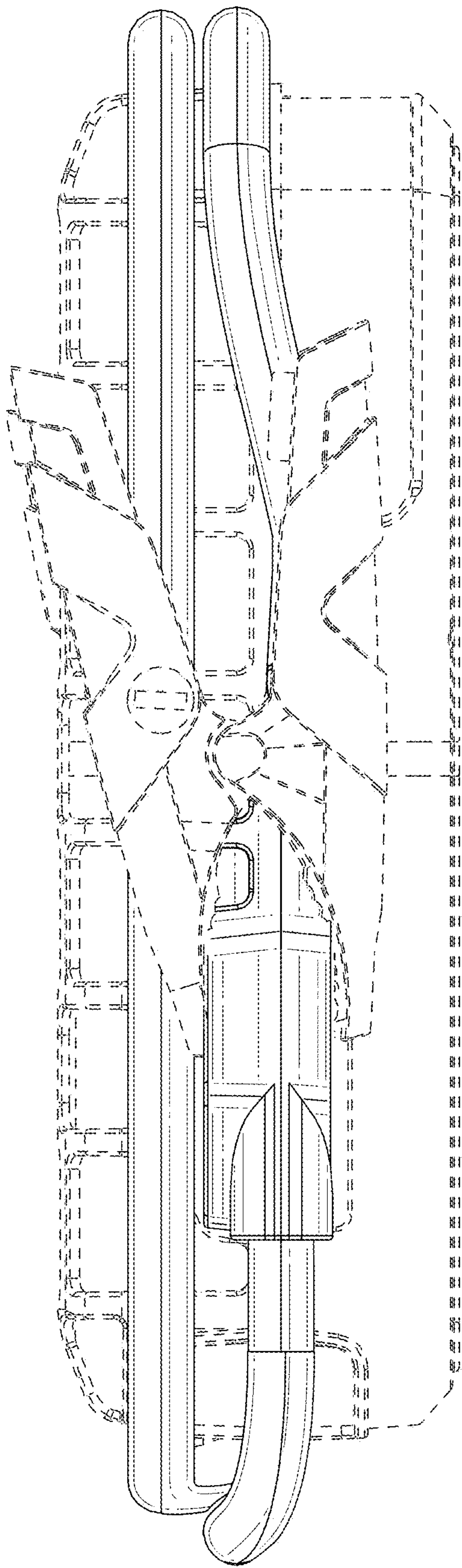


FIG. 5

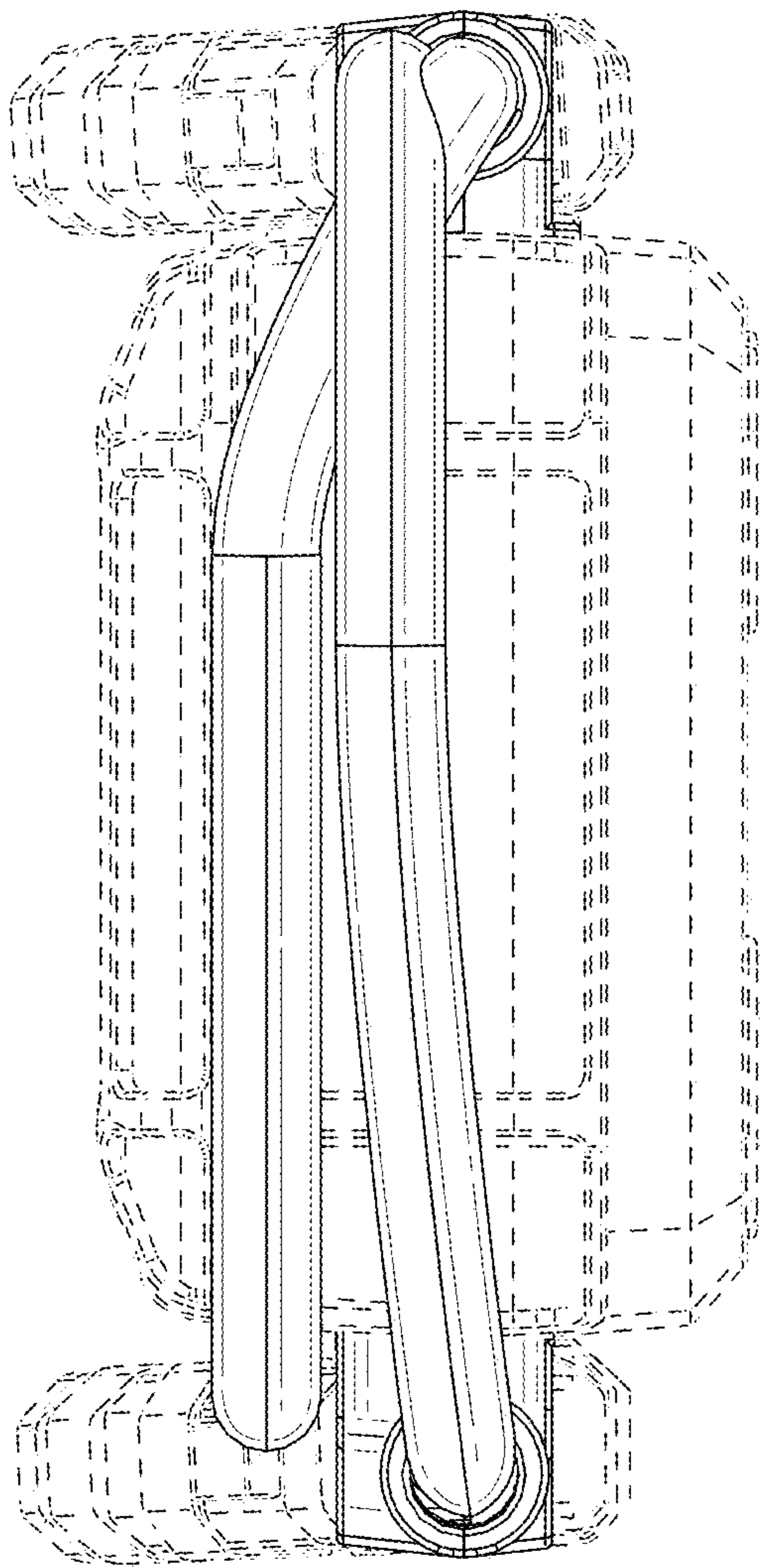


FIG. 6

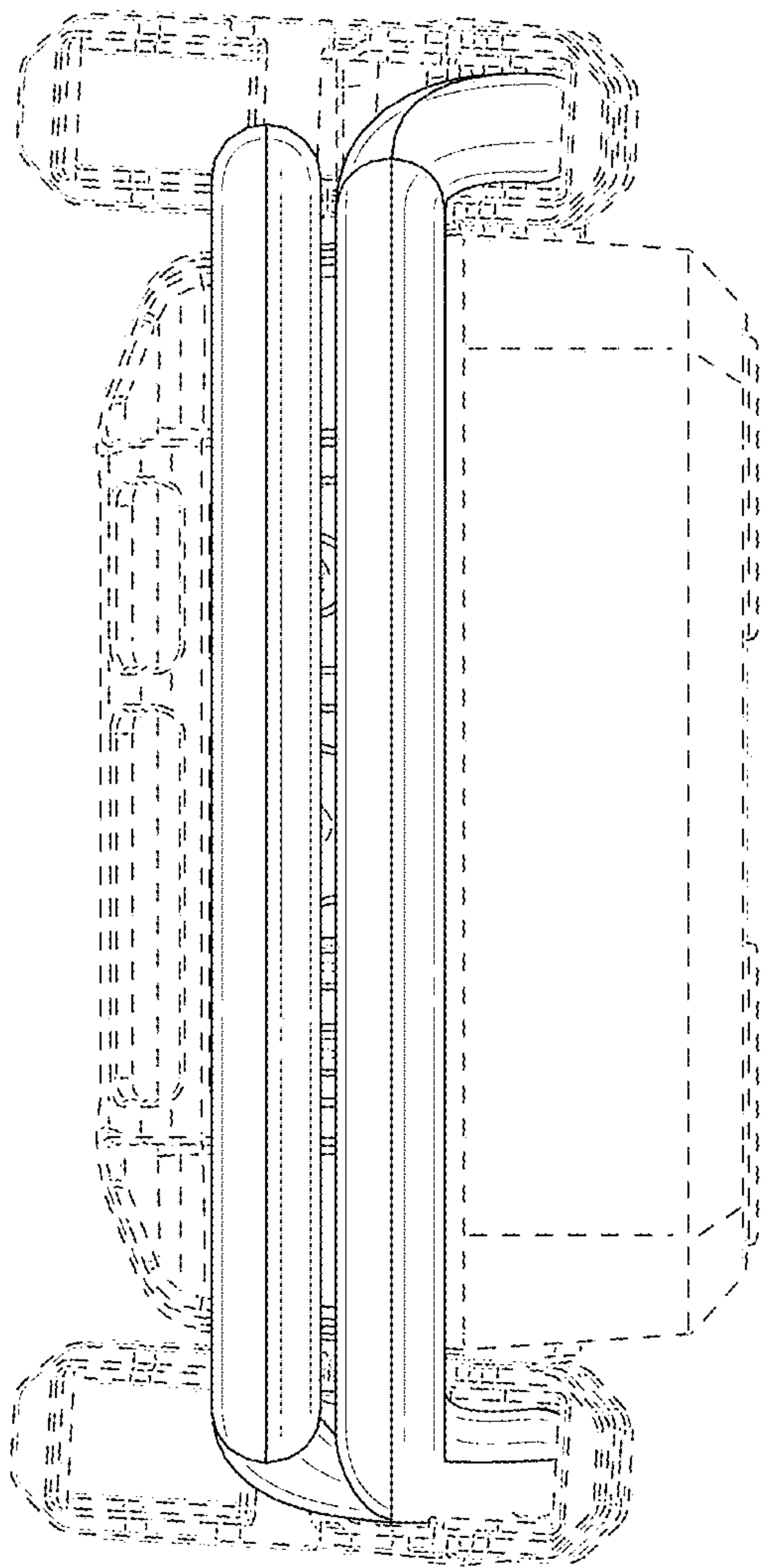


FIG. 7