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Nook et al.

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- (54)

BATTERY CLAMP
- (71)

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- (72)

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Term: 15 Years
- (21)

Appl. No.: 29/891,003
- (22)

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- (63)

Continuation of application No. 29/737,201, filed on Jun. 6, 2020, now Pat. No. Des. 988,999, which is a continuation of application No. 29/665,463, filed on Oct. 3, 2018, now Pat. No. Des. 913,937.
- (51)

LOC (14) Cl. 13-03
- (52)

U.S. Cl. D13/120
- (58)

Field of Classification Search

USPC D13/107, 120, 149

CPC H01R 11/24

See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

|             |        |                |
|-------------|--------|----------------|
| D47,781 S   | 9/1915 | Carson         |
| 3,020,518 A | 2/1962 | Camping et al. |
| 3,267,452 A | 8/1966 | Wolf           |
| 3,571,701 A | 3/1971 | Lai            |
| 3,794,957 A | 2/1974 | Winkler        |

|             |         |               |
|-------------|---------|---------------|
| 3,895,851 A | 7/1975  | Bolton et al. |
| 3,933,140 A | 1/1976  | Gynn          |
| 4,041,445 A | 8/1977  | Carter        |
| 4,057,313 A | 11/1977 | Polizzano     |
| D258,818 S  | 4/1981  | Johnson       |
| D260,626 S  | 9/1981  | Kadar         |
| (Continued) |         |               |

FOREIGN PATENT DOCUMENTS

|             |              |        |
|-------------|--------------|--------|
| DE          | 29507501     | 6/1995 |
| DE          | 202009016260 | 3/2010 |
| (Continued) |              |        |

OTHER PUBLICATIONS

Blue Sea Systems Waterproof In-Line ATO/ATC Fuse Holder, posted at Amazon.com on Jun. 9, 2014 [online] (site visited Jun. 7, 2017). Available from Internet, URL: <https://www.amazon.com/Blue-Sea-Systems-Waterproof-Holder/dp/B004ZIUA62>.

(Continued)

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(57)

CLAIM

The ornamental design for a battery clamp, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a new design for a battery clamp;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left side elevational view thereof;

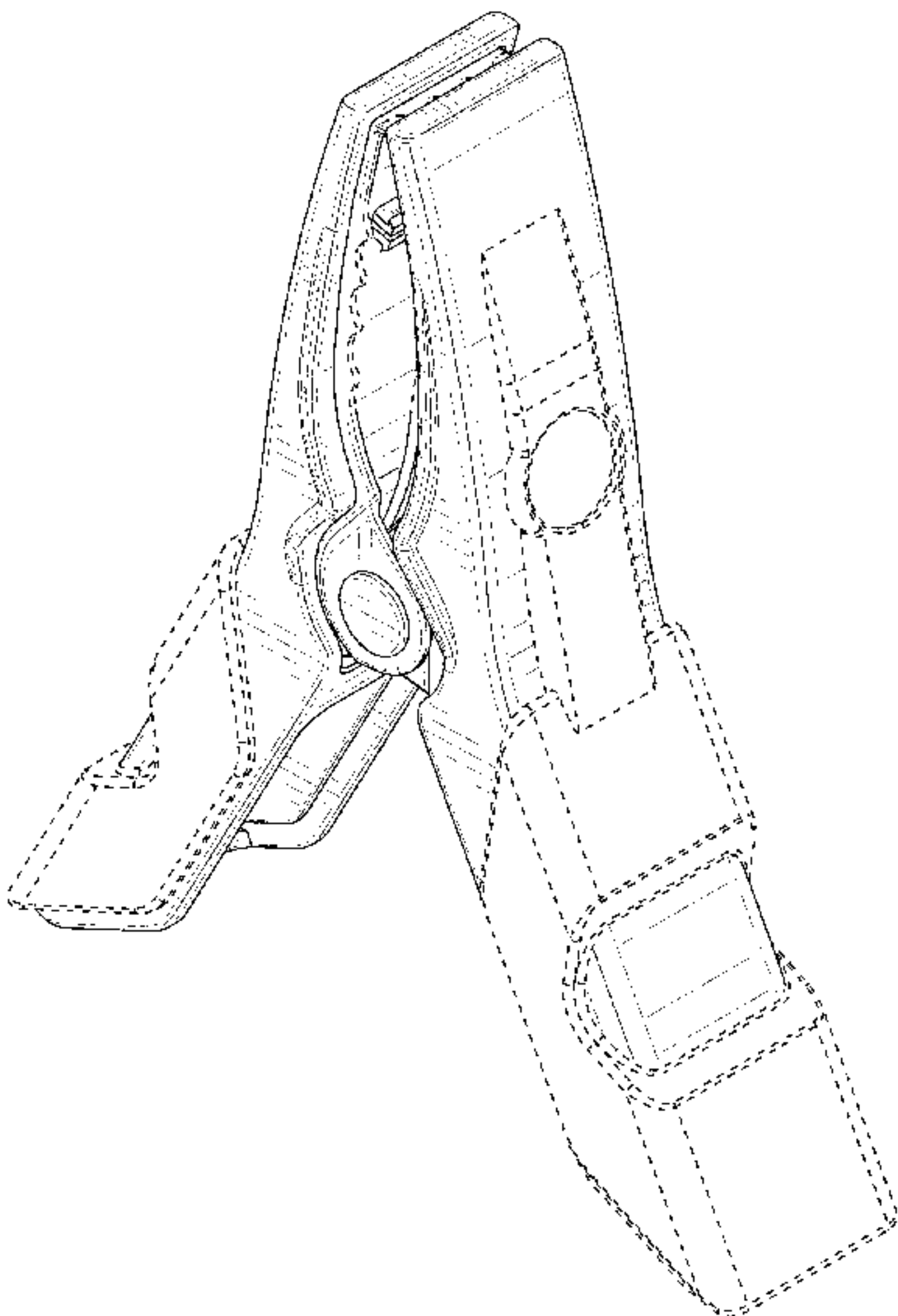
FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

The broken lines shown represents portions of the battery clamp that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

|           |    |         |                  |           |    |         |                    |
|-----------|----|---------|------------------|-----------|----|---------|--------------------|
| 4,620,767 | A  | 11/1986 | Woolf            | D539,456  | S  | 3/2007  | Sassoon            |
| 4,826,457 | A  | 5/1989  | Varatta          | D542,224  | S  | 5/2007  | Victor             |
| 4,840,583 | A  | 6/1989  | Moore            | D543,154  | S  | 5/2007  | Suckle et al.      |
| 4,854,901 | A  | 8/1989  | Vernachio        | D551,368  | S  | 9/2007  | Shiu               |
| D304,928  | S  | 12/1989 | Mize             | D552,560  | S  | 10/2007 | Victor             |
| 4,885,524 | A  | 12/1989 | Wilburn          | D553,089  | S  | 10/2007 | Victor             |
| 4,910,628 | A  | 3/1990  | Minagawa et al.  | D555,594  | S  | 11/2007 | So                 |
| 4,931,731 | A  | 6/1990  | Jenks            | D555,820  | S  | 11/2007 | Lam                |
| 4,938,712 | A  | 7/1990  | Black            | 7,301,303 | B1 | 11/2007 | Hulden             |
| D317,116  | S  | 5/1991  | Nimtzt           | D561,112  | S  | 2/2008  | Victor             |
| 5,019,767 | A  | 5/1991  | Shirai et al.    | D562,480  | S  | 2/2008  | Spartano           |
| D318,718  | S  | 7/1991  | Blatt            | D567,184  | S  | 4/2008  | Victor             |
| D322,390  | S  | 12/1991 | Nimtzt           | D571,179  | S  | 6/2008  | Ahlgren            |
| 5,083,076 | A  | 1/1992  | Scott            | D573,536  | S  | 7/2008  | Hariharesan et al. |
| 5,111,130 | A  | 5/1992  | Bates            | D581,566  | S  | 11/2008 | Slawson            |
| 5,127,848 | A  | 7/1992  | Taguchi          | D586,750  | S  | 2/2009  | Li                 |
| 5,167,529 | A  | 12/1992 | Verge            | D586,758  | S  | 2/2009  | Victor             |
| D332,390  | S  | 1/1993  | Adams            | D586,759  | S  | 2/2009  | Victor             |
| 5,189,359 | A  | 2/1993  | Kronberg         | D588,995  | S  | 3/2009  | Wu et al.          |
| D346,149  | S  | 4/1994  | Deering          | D593,959  | S  | 6/2009  | Victor             |
| D349,432  | S  | 8/1994  | Kibbe            | D596,125  | S  | 7/2009  | Norin et al.       |
| 5,342,222 | A  | 8/1994  | Tanaka           | D596,771  | S  | 7/2009  | Lee                |
| D351,372  | S  | 10/1994 | Donovan, Jr.     | D597,029  | S  | 7/2009  | Li                 |
| D357,990  | S  | 5/1995  | Cheng            | D597,946  | S  | 8/2009  | Li                 |
| D358,366  | S  | 5/1995  | Sciortino        | 7,568,816 | B2 | 8/2009  | Brass              |
| D361,745  | S  | 8/1995  | Geroux et al.    | D602,615  | S  | 10/2009 | Liu                |
| 5,486,434 | A  | 1/1996  | Aoyama           | 7,598,699 | B2 | 10/2009 | Restaino et al.    |
| 5,601,452 | A  | 2/1997  | Ruffa            | D604,251  | S  | 11/2009 | Hwang              |
| 5,635,817 | A  | 6/1997  | Shiska           | D608,624  | S  | 1/2010  | Adams              |
| 5,635,818 | A  | 6/1997  | Quintero         | 7,749,031 | B2 | 7/2010  | Detter             |
| 5,772,468 | A  | 6/1998  | Kowalski         | D623,322  | S  | 9/2010  | Wallach            |
| 5,793,185 | A  | 8/1998  | Prelec et al.    | D625,265  | S  | 10/2010 | DuMelle            |
| 5,795,182 | A  | 8/1998  | Jacob            | D625,580  | S  | 10/2010 | Giordano           |
| D399,729  | S  | 10/1998 | Chen             | D625,653  | S  | 10/2010 | De Felice          |
| D408,725  | S  | 4/1999  | Adams            | D627,730  | S  | 11/2010 | Huang et al.       |
| D411,983  | S  | 7/1999  | Awbrey           | D628,650  | S  | 12/2010 | Lake               |
| 5,921,809 | A  | 7/1999  | Fink             | D631,586  | S  | 1/2011  | Li                 |
| 5,965,998 | A  | 10/1999 | Whiting et al.   | 7,872,361 | B2 | 1/2011  | McFadden           |
| 6,054,779 | A  | 4/2000  | Zubko            | D634,313  | S  | 3/2011  | Fitzpatrick et al. |
| D425,860  | S  | 5/2000  | Goto             | 7,959,476 | B2 | 6/2011  | Smith              |
| 6,130,519 | A  | 10/2000 | Whiting et al.   | D642,301  | S  | 7/2011  | Rothman            |
| 6,131,865 | A  | 10/2000 | Adams            | D643,815  | S  | 8/2011  | Mark et al.        |
| 6,140,796 | A  | 10/2000 | Martin et al.    | D645,817  | S  | 9/2011  | Sasada             |
| 6,147,471 | A  | 11/2000 | Hunter           | D649,116  | S  | 11/2011 | Nakatsuka          |
| 6,212,054 | B1 | 4/2001  | Chan             | D649,866  | S  | 12/2011 | Roehrig et al.     |
| D443,593  | S  | 6/2001  | Milan            | 8,076,900 | B1 | 12/2011 | Brown              |
| D444,772  | S  | 7/2001  | Milan            | D653,615  | S  | 2/2012  | Au                 |
| 6,254,426 | B1 | 7/2001  | Jacovelli et al. | D654,246  | S  | 2/2012  | Bengyak            |
| 6,262,492 | B1 | 7/2001  | Sheng            | D654,854  | S  | 2/2012  | Inskeep            |
| 6,262,559 | B1 | 7/2001  | Eggert et al.    | D656,259  | S  | 3/2012  | Ku                 |
| D447,334  | S  | 9/2001  | Williams         | 8,172,603 | B1 | 5/2012  | Richard, Jr.       |
| D450,303  | S  | 11/2001 | Milan            | 8,199,024 | B2 | 6/2012  | Baxter et al.      |
| D454,542  | S  | 3/2002  | Nakashima et al. | D664,207  | S  | 7/2012  | Bengyak            |
| 6,362,599 | B1 | 3/2002  | Turner et al.    | D664,501  | S  | 7/2012  | Inskeep            |
| 6,386,907 | B1 | 5/2002  | Ruffa            | D671,250  | S  | 11/2012 | Schrimmer          |
| D465,205  | S  | 11/2002 | Orpilla et al.   | 8,342,892 | B2 | 1/2013  | Fan et al.         |
| D466,636  | S  | 12/2002 | Chun             | 8,376,775 | B2 | 2/2013  | Rinehardt          |
| D473,194  | S  | 4/2003  | Lee              | D678,202  | S  | 3/2013  | Corona             |
| D475,014  | S  | 5/2003  | Kano             | D678,838  | S  | 3/2013  | Henrink et al.     |
| 6,632,103 | B1 | 10/2003 | Liu              | D681,550  | S  | 5/2013  | Corbin             |
| 6,648,701 | B2 | 11/2003 | Mouissie         | D684,537  | S  | 6/2013  | Herink et al.      |
| D484,395  | S  | 12/2003 | Felsenthal       | D686,155  | S  | 7/2013  | Nguyen             |
| D485,810  | S  | 1/2004  | Fiocchi          | 8,491,341 | B2 | 7/2013  | Bower et al.       |
| D485,925  | S  | 1/2004  | Oas              | 8,493,021 | B2 | 7/2013  | Richardson et al.  |
| 6,756,764 | B2 | 6/2004  | Smith et al.     | D687,583  | S  | 8/2013  | Von Waldthausen    |
| D496,480  | S  | 9/2004  | Slattery         | D687,768  | S  | 8/2013  | Minamikawa         |
| 6,803,743 | B2 | 10/2004 | George et al.    | D689,020  | S  | 9/2013  | Demirjian          |
| 6,822,425 | B2 | 11/2004 | Krieger et al.   | D694,176  | S  | 11/2013 | Buetow et al.      |
| 6,871,387 | B2 | 3/2005  | Cheng            | D694,180  | S  | 11/2013 | Inskeep            |
| 6,896,544 | B1 | 5/2005  | Kuelbs           | D699,378  | S  | 2/2014  | DiLuciano          |
| D506,380  | S  | 6/2005  | Chu              | D701,490  | S  | 3/2014  | Inskeep            |
| D512,374  | S  | 12/2005 | Kuelbs           | D708,140  | S  | 7/2014  | Nook et al.        |
| D524,736  | S  | 7/2006  | Morita et al.    | D713,342  | S  | 9/2014  | Jacobs et al.      |
| D525,210  | S  | 7/2006  | Disbennett       | 8,888,535 | B2 | 11/2014 | Knight             |
| 7,148,580 | B2 | 12/2006 | Sodemmann et al. | D718,999  | S  | 12/2014 | Robinson et al.    |
|           |    |         |                  | D725,598  | S  | 3/2015  | Nook et al.        |
|           |    |         |                  | D726,109  | S  | 4/2015  | Nook et al.        |
|           |    |         |                  | D726,114  | S  | 4/2015  | Nook et al.        |
|           |    |         |                  | D726,121  | S  | 4/2015  | Nook et al.        |

(56)

References Cited

U.S. PATENT DOCUMENTS

D730,282 S 5/2015 Miller  
D734,726 S 7/2015 Nook et al.  
D735,665 S 8/2015 Nook et al.  
D737,216 S 8/2015 Nook et al.  
D737,782 S 9/2015 Nook et al.  
D738,307 S 9/2015 Nook  
D738,825 S 9/2015 Nook  
D739,354 S 9/2015 Nook et al.  
D741,264 S 10/2015 Vanbecelaere  
D744,316 S 12/2015 Nook et al.  
D745,455 S 12/2015 Nook et al.  
D746,770 S 1/2016 Nook et al.  
D746,774 S 1/2016 Nook et al.  
D754,377 S 4/2016 Nook et al.  
D754,606 S 4/2016 Nook et al.  
9,407,037 B2 8/2016 Kim  
9,461,376 B1 10/2016 Bakhoum  
D775,752 S 1/2017 Nook et al.  
D800,666 S 10/2017 Nook et al.  
D801,272 S 10/2017 Nook et al.  
9,923,289 B2 3/2018 Bertness  
D815,863 S 4/2018 Wheeler  
D817,280 S 5/2018 Nook et al.  
D832,781 S 11/2018 Nook et al.  
D836,064 S 12/2018 Liu  
D845,229 S 4/2019 Chen  
D845,230 S 4/2019 Nook et al.  
D853,330 S 7/2019 Dai  
D867,985 S 11/2019 Nook et al.  
D889,411 S 7/2020 Wang  
D900,039 S 10/2020 Yoshida  
D911,286 S 2/2021 Esses  
D913,932 S 3/2021 Nook et al.  
D913,933 S 3/2021 Nook et al.  
D913,934 S 3/2021 Nook et al.  
D913,935 S 3/2021 Nook et al.  
D913,936 S 3/2021 Nook et al.  
D913,937 S 3/2021 Nook et al.  
D913,938 S 3/2021 Nook et al.  
D931,811 S 9/2021 Bone  
D931,813 S 9/2021 Nook et al.  
11,114,777 B2 9/2021 Nook  
D933,605 S 10/2021 Nook et al.  
D934,174 S 10/2021 Protti  
D934,804 S 11/2021 Nook et al.  
D934,805 S 11/2021 Nook et al.  
D946,526 S 3/2022 Wang  
D958,075 S 7/2022 Nook  
D967,025 S 10/2022 Nook et al.  
D995,436 S \* 8/2023 Lei ..... D13/120  
D1,005,954 S \* 11/2023 Shu ..... D13/120  
2002/0041174 A1 4/2002 Purkey  
2003/0179070 A1 9/2003 Izumi  
2004/0130298 A1 7/2004 Krieger et al.  
2004/0172795 A1 9/2004 Cheng  
2005/0040788 A1 2/2005 Tseng  
2005/0110467 A1 5/2005 Thomason  
2005/0252573 A1 11/2005 Montani  
2006/0201558 A1 9/2006 Marty et al.  
2006/0286868 A1 12/2006 Pentell  
2007/0285049 A1 12/2007 Krieger et al.  
2008/0213653 A1 9/2008 Marukawa et al.  
2010/0033293 A1 2/2010 Cheng  
2010/0301800 A1 12/2010 Inskeep  
2011/0068734 A1 3/2011 Waldron  
2011/0116861 A1 5/2011 Zhang et al.  
2012/0091944 A1 4/2012 Rogers  
2013/0042440 A1 2/2013 Davies  
2013/0154543 A1 6/2013 Richardson et al.  
2013/0164600 A1 6/2013 Roskamp et al.  
2013/0314041 A1 11/2013 Proebstle  
2014/0159509 A1 6/2014 Inskeep  
2014/0199876 A1 7/2014 Kato  
2015/0200470 A1 7/2015 Bertness  
2020/0335887 A1 10/2020 Nook

2021/0094428 A1 4/2021 Nook et al.  
2022/0102878 A1 3/2022 Zhang  
2022/0181806 A1 6/2022 Nook

FOREIGN PATENT DOCUMENTS

DE 202013102599 8/2013  
EP 2472698 A2 7/2012  
WO WO 2004/036714 4/2004  
WO WO 2013/137873 9/2013

OTHER PUBLICATIONS

Internet Archive Organization, The Wayback Machine: GC001 X-Connect Battery Clamps, Archive of <https://no.co/gc001> webpage: <https://web.archive.org/web/20161226092635/https://no.co/gc001> Date accessed: Jun. 2022. First Date available: Dec. 2016 (Year: 2016). Iztoss Waterproof Car Auto 10/15/20/30A Amp In Line Blade Fuse Holder Fuses, posted at Amazon.com on Sep. 8, 2015 [online] (site visited Jun. 7, 2017). Available from Internet, URL: <https://www.amazon.com/Iztoss-Waterproof-Blade-Holder-Fuses/dp/B01531YFYW>.  
Noco.com: GBC003 HD Precision Boost Battery Clamps, Online: <https://no.co/gbc003> (Jan. 2021).  
Noco GC001 X-Connect Battery Clamp Accessory, Date: Jul. 7, 2004, [online], [site visited Dec. 14, 2021]. Available from internet, URL: <https://www.amazon.com/GC001-X-Connect-Accessory-Genius-packaging/dp/8004LWWV0DY>.  
Noco GC002 X-Connect Eyelet Terminal Connector, Date: Jun. 9, 2015, [online], [site visited Mar. 8, 2022]. Available from internet, URL: <https://www.amazon.co.jp/-/en/GC002-X-Connect-Terminal-Connector-Compliant/dp/8004LWQ35Y>.  
Noco GPA002 HD X-Connect Battery Clamp Accessory with Integrated M10 Eyelets, Date: Sep. 14, 2021, [online], [site visited Apr. 14, 2022]. Available from internet, URL: <https://www.amazon.com/NOCO-GPA002-X-Connect-Integrated-GENIUSPRO25/dp/B09G77FSL2>.  
Noco GPA004 Pro X-Connect Battery Clamp Accessory with Integrated M10 Eyelets, Date: Sep. 14, 2021, [online], [site visited Apr. 14, 2022]. Available from internet, URL: <https://www.amazon.com/NOCO-GPA004-X-Connect-Integrated-GENIUSPRO50/dp/B09G7WYC8Z>.  
Noco GC009 X-Connect SAE Adapter Accessory, Date: Aug. 16, 2011 [online], [site visited Dec. 14, 2021]. Available from internet, URL: <https://www.amazon.com/GC009-X-Connect-Accessory-Genius-Chargers/dp/B005DUMADC>.  
Noco GC009 SAE Adapter, Date: Feb. 3, 2017, [online], [site visited Mar. 10, 2022]. Available from internet, URL: <https://www.amazon.co.jp/GC009-X-Connect-Accessory-Genius-Chargers/dp/B005DUMADC>.  
Noco GC009 X-Connect, Date: Dec. 4, 2013, [online], [site visited Mar. 10, 2022]. Available from internet, URL: <https://www.amazon.co.uk/GC009-X-Connect-Accessory-Genius-Chargers/dp/B005DUMADC>.  
Noco Genius GC002 Eyelet Terminal Connector, posted at Amazon.com on Jul. 7, 2004 [online] (site visited Jun. 7, 2017). Available from Internet, URL: <https://www.amazon.com/NOCO-Genius-GC004-Extension-Cable/dp/B004LWQ35Y>.  
Noco Genius GC004 10' Extension Cable, posted at Amazon.com on Jul. 7, 2004 [online] (site visited Jun. 7, 2017). Available from Internet, URL: <https://www.amazon.com/NOCO-Genius-GC004-Extension-Cable/dp/B004LWVOGO>.  
Motopower 0609A 3.1 Amp Waterproof Motorcycle USB Charger Kit SAE to USB Adapter, posted at Amazon.com on May 26, 2016 [online] (site visited Jun. 7, 2017). Available from Internet, URL: <https://www.amazon.com/Motopower-0609A-Waterproof-Motorcycle-Charger/product-reviews/B01DYE54LI>.  
Nilight 50035R 2ft Ring Wire 2 Pin Lug Cable, Date: Apr. 22, 2019, [online], [site visited Jul. 15, 2022]. Available from internet, URL: <https://www.amazon.com.au/Nilight-50035R-Disconnect-Connection-Motorcycle/dp/B07R2L827M>.

(56)

References Cited

OTHER PUBLICATIONS

Schumacher WM-12 Cable Connector, posted at Amazon.com on Jul. 19, 2010 [online] (site visited Jun. 7, 2017). Available from Internet, URL: <https://www.amazon.com/Schumacher-WM-12-Connector-Battery-Maintainer/dp/B003WDDLTO>.

Sparking 2ft Motorcycle Battery Charger Cord, Date: Nov. 22, 2018, [online], [site visited Jul. 15, 2022]. Available from internet, URL: <https://www.amazon.com.au/SPARKING-Motorcycle-Disconnect-Extension-Accessory/dp/B07KS2GCXJ>.

Tineye.com—Hand Display Black [published Mar. 19, 2010; retrieved Jun. 12, 2019] Online: url:<https://tineye.com/search/4e8edb8d9936d7b87591eaabc6ef8be520b559a4?page=1>.

Tineye.com—Hand Display Chrome [published Nov. 22, 2013; retrieved Jun. 12, 2019] Online: url:<https://tineye.com/search/04c0afff891da06df214d842ef8cc3b47e7049ae?page=1>.

Battery Tender 081-0069-6 Ring Terminal Harness with Black Fused 2-Pin Quick Disconnect Plug, posted at Amazon.com on Jan.

19, 2011 [online] (site visited Jun. 7, 2017). Available from Internet, URL: <https://www.amazon.com/Battery-Tender-081-0069-6-TerminalDisconnect/dp/B004JV6OMO>.

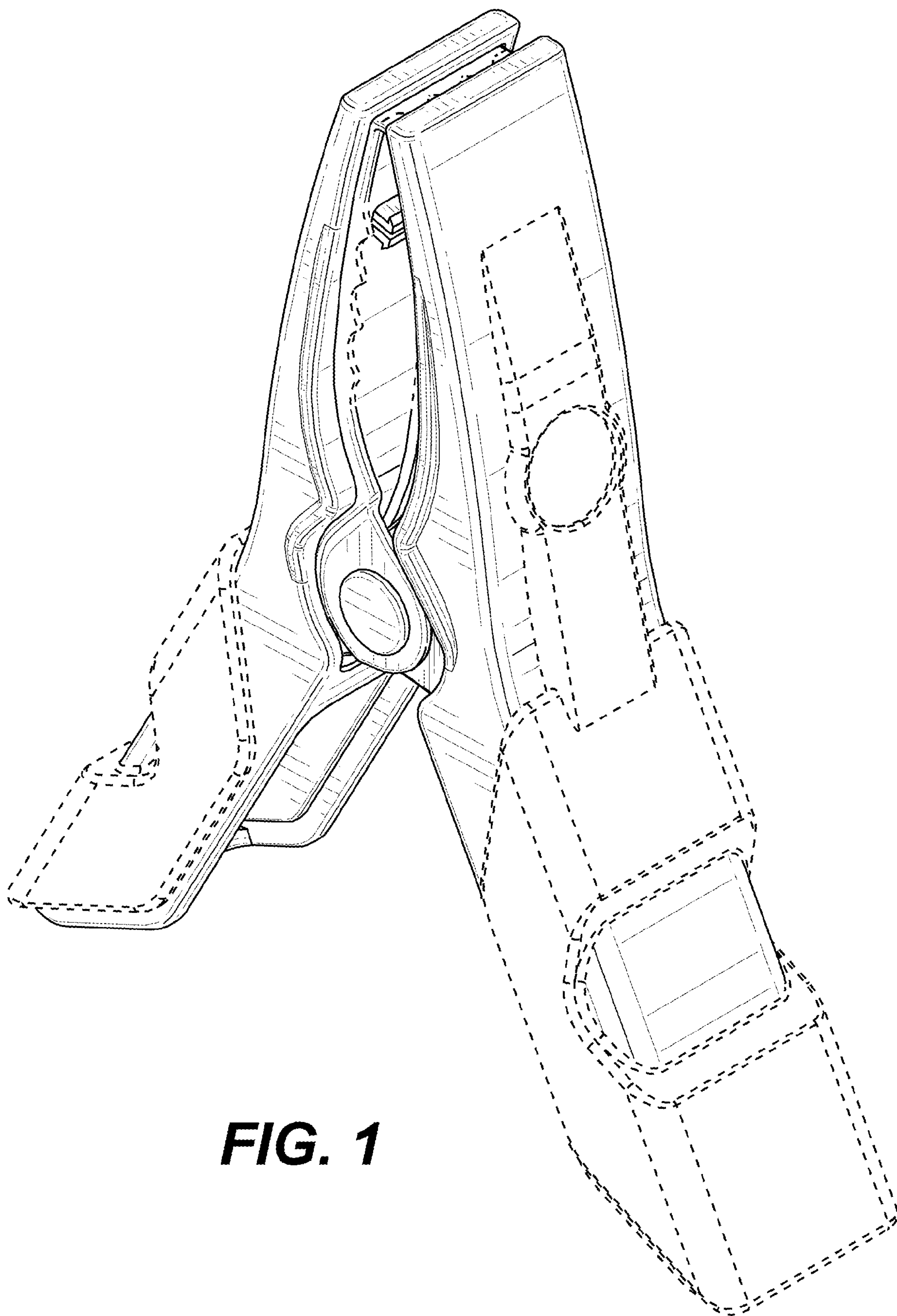
U.S. Trademark Application No. 86/030,590 filed Aug. 6, 2013, including drawing and sample.

Vemote SAE Battery Connector 10AWG SAE to Ring Terminal Harness, Date: Dec. 2, 2020, [online], [site visited Jul. 15, 2022]. Available from internet, URL: <https://www.amazon.com.au/Vemote-Connector-Disconnect-Extension-Motorcycle-RVs/dp/B08PFGHK5B>.

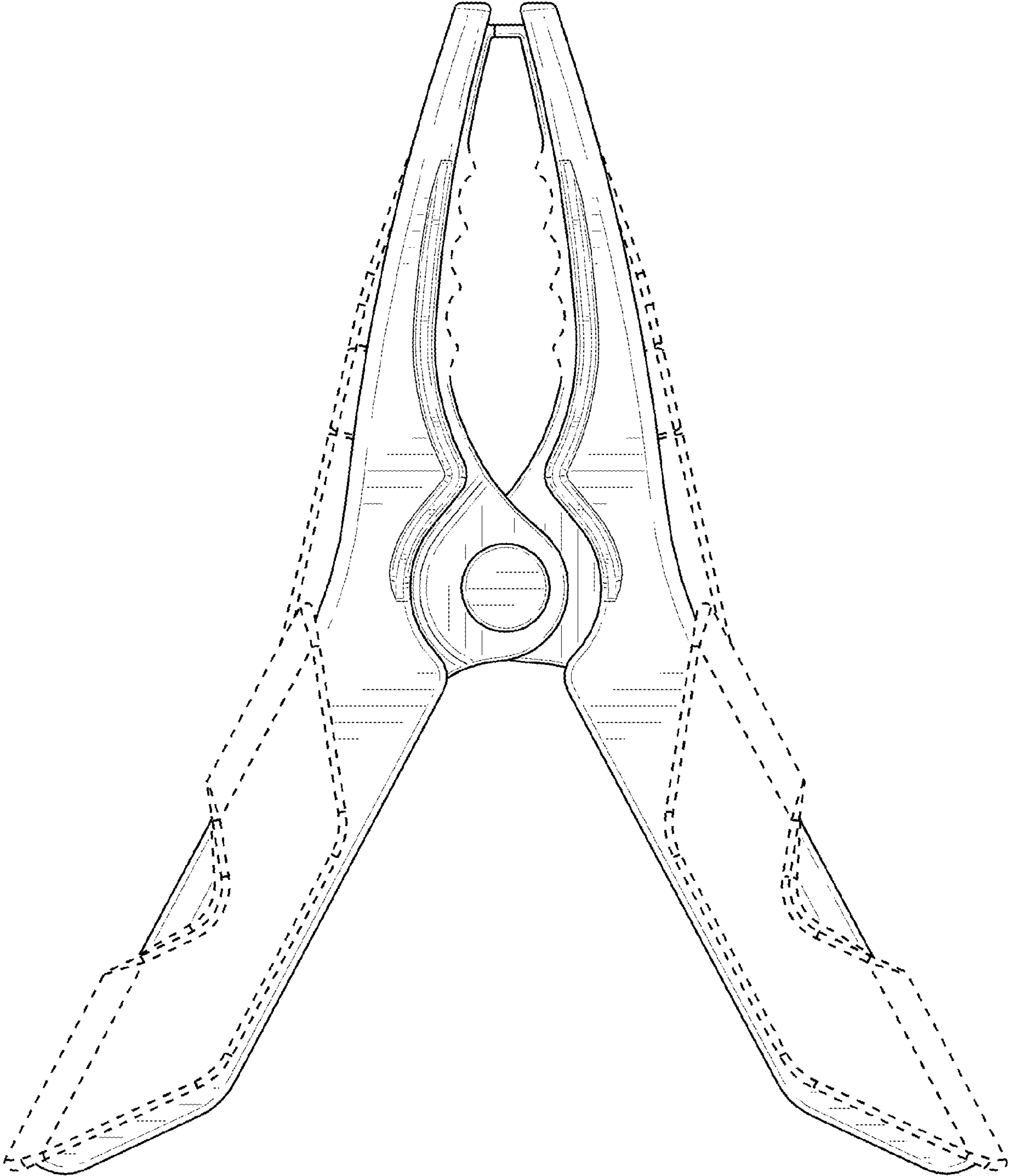
Yetor Battery Alligator Clips, SAE Quick Release Adapter to Alligator Clips, Date: Oct. 25, 2019, [online], [site visited Jul. 15, 2022]. Available from internet, URL: <https://www.amazon.com.au/YETOR-Alligator-Connectors-Extension-Motorcycles/dp/B07ZCZVS1G>.

Noco.com. GB 20 Boost Sport 500A Ultrasafe Lithium Jump Starter. <https://no.co/go20>. Dec. 2016 (Year: 2016).

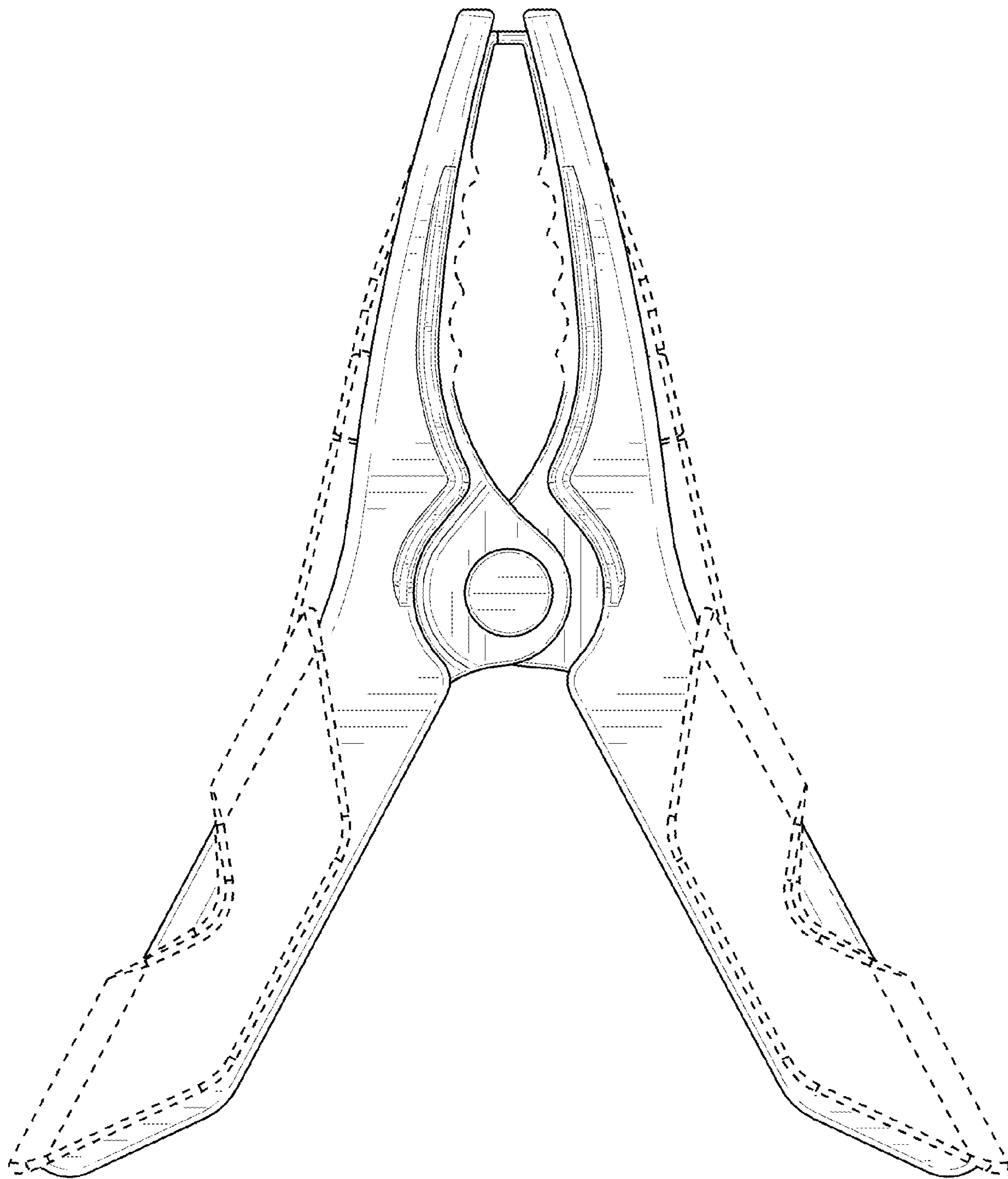
\* cited by examiner



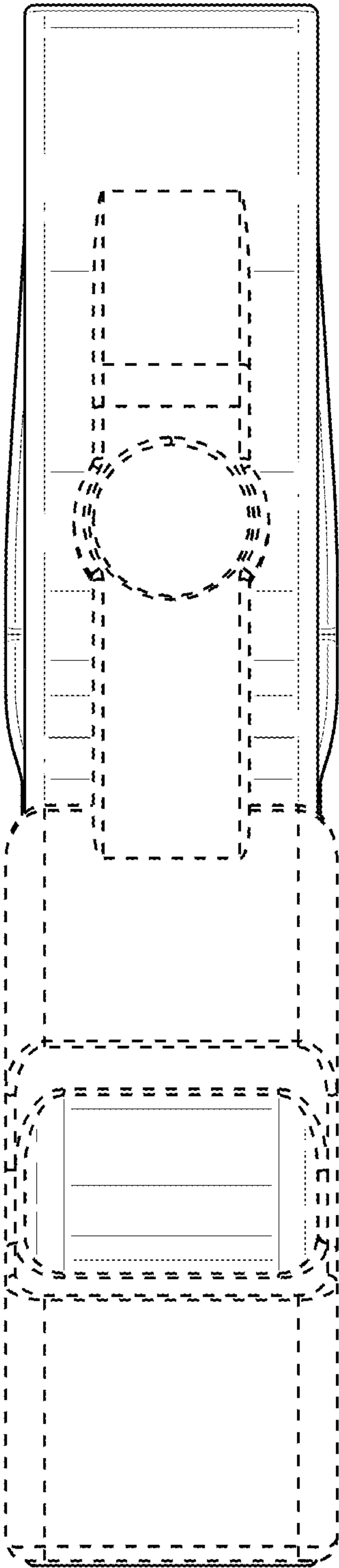
**FIG. 1**



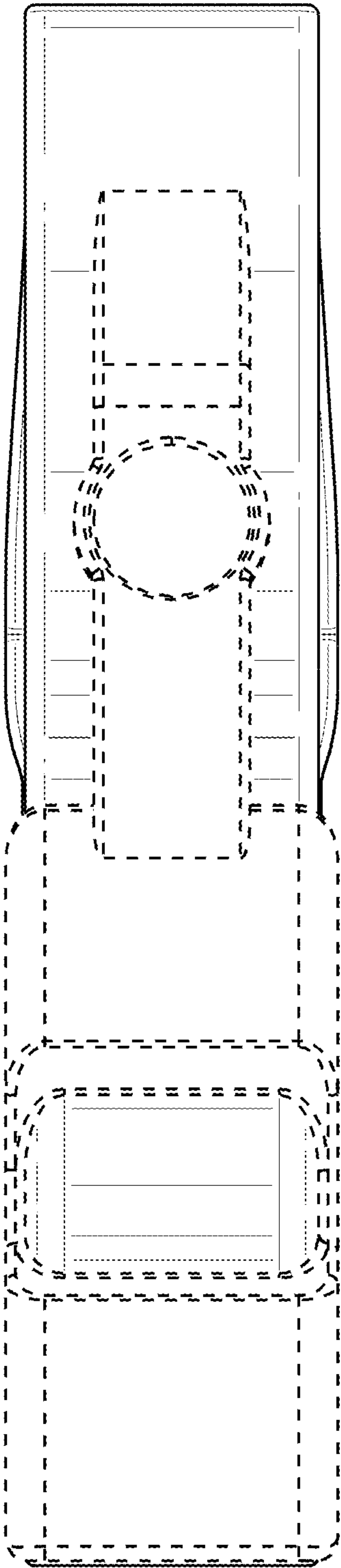
**FIG. 2**



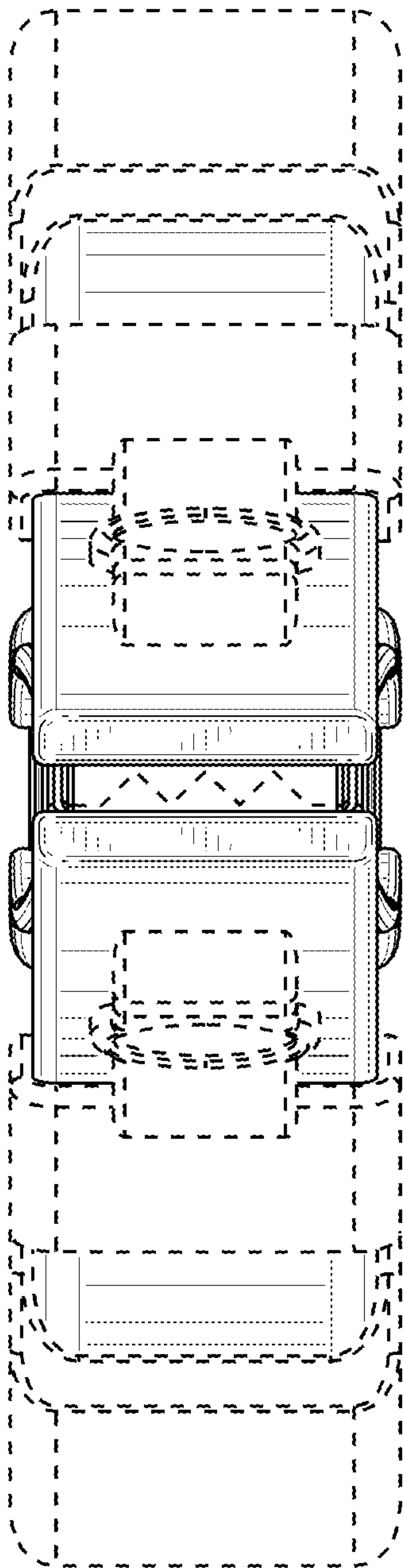
**FIG. 3**



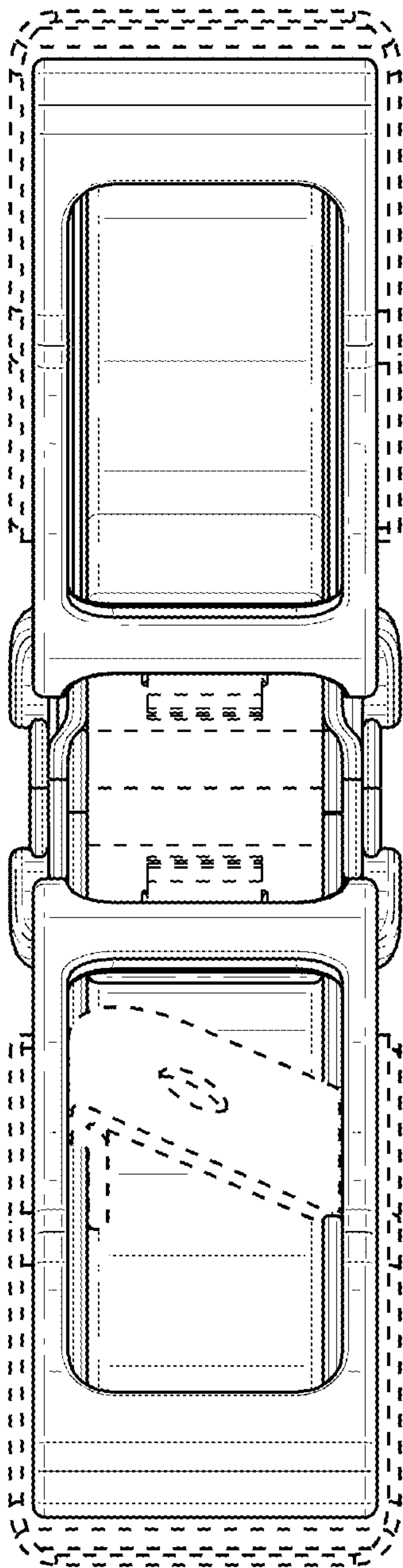
**FIG. 4**



**FIG. 5**



**FIG. 6**



**FIG. 7**