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Cranney et al.

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(54) **BRACKET**

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(52) **U.S. Cl.**

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D6/681.1, 692.4, 709.2, 718.23, 718.29,
D6/702; D8/349, 354, 363, 374, 380,
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CPC A47C 1/143; A47C 7/70; A47C 17/04;
A47C 19/021; A47C 19/025; A47C
19/124; A47C 19/027; A47C 20/04; A47C
20/027; A47C 20/043; A47C 21/026;
A47C 21/06; A47C 23/005; A47C
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,490,475 A * 4/1924 Lowy F16B 12/56
5/290
3,408,665 A * 11/1968 Harris F16B 12/60
403/375
D248,275 S * 6/1978 Gilb D8/380
D253,162 S * 10/1979 Sheehan D8/380
D267,699 S * 1/1983 Prawl D8/380
D270,572 S * 9/1983 Black D25/68
D275,264 S * 8/1984 Wegener, II 248/300

4,620,336 A * 11/1986 Miller A47C 23/005
5/261
D299,809 S * 2/1989 Hagedorn D8/349
D309,560 S * 7/1990 Warlick D8/355
D345,099 S * 3/1994 Oakes D8/380
D357,398 S * 4/1995 Osbern D8/349
D375,718 S * 11/1996 Lazzeroni D12/114

(Continued)

FOREIGN PATENT DOCUMENTS

CN 302501524 * 12/2012
CN 302449973 * 6/2013

(Continued)

OTHER PUBLICATIONS

Amazon, Folding Box Spring, Jun. 3, 2015 https://www.amazon.com/Mattress-Foundation-structure-assembly-required/product-reviews/B00X6HZ932/ref=cm_cr_ap_d_viewopt_mdrvw?ie=UTF8&reviewerType=all_reviews&mediaType=media_reviews_only&pageNumber=1 (Year: 2015).*

(Continued)

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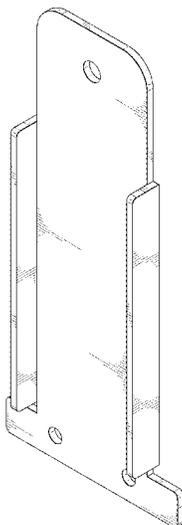
(57) **CLAIM**

The ornamental design for a bracket, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a T-bracket that forms a portion of a collapsible folding box spring assembly; FIG. 2 is a front elevation of the T-bracket of FIG. 1; FIG. 3 is a rear elevation of the T-bracket of FIG. 1; FIG. 4 is a right side view of the T-bracket of FIG. 1; FIG. 5 is a left side view of the T-bracket of FIG. 1; FIG. 6 is a top view of the T-bracket of FIG. 1; FIG. 7 is a bottom view of the T-bracket of FIG. 1; and, FIG. 8 is a rear perspective view of the T-bracket of FIG. 1.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D387,970 S * 12/1997 Enslin D8/349
 D394,377 S * 5/1998 Najewski D8/354
 D407,010 S * 3/1999 Sobczynski D8/354
 6,035,467 A * 3/2000 Lee A47C 17/70
 5/174
 D423,328 S * 4/2000 Burrows D8/354
 D442,471 S * 5/2001 Willett D8/354
 D468,998 S * 1/2003 Zadak D8/19
 D500,666 S * 1/2005 Murphy D8/354
 7,503,086 B2 * 3/2009 Wickstrom A47C 27/001
 5/174
 D610,444 S * 2/2010 Fisher D8/499
 D619,878 S * 7/2010 Sjoqvist D8/354
 D644,503 S * 9/2011 Crane D8/382
 D649,016 S * 11/2011 Rasmussen D8/354
 8,091,160 B2 * 1/2012 Jin A47C 19/126
 5/177
 D668,562 S * 10/2012 Madrack D15/138
 D670,996 S * 11/2012 Rogers D8/349
 8,312,576 B1 * 11/2012 Oh A47C 23/005
 5/177
 8,370,973 B1 * 2/2013 Oh A47C 19/122
 5/177
 8,769,740 B2 * 7/2014 Oh A47C 19/12
 5/177
 9,009,896 B2 * 4/2015 Suh A47C 19/122
 5/618
 D730,719 S * 6/2015 Sundberg D8/371
 9,226,590 B1 * 1/2016 Hull A47C 23/005
 D759,466 S * 6/2016 Tonthat D8/354
 D766,701 S * 9/2016 Snell D8/349
 D767,973 S * 10/2016 DeDios-Shirley D8/349
 9,456,699 B1 * 10/2016 Oh A47C 19/122
 D810,546 S * 2/2018 Shaw D8/363
 9,907,405 B2 * 3/2018 An A47C 19/12
 D822,458 S * 7/2018 Campbell D8/354
 D833,849 S * 11/2018 Harrier D8/349
 10,123,629 B2 * 11/2018 Choi A47C 19/025
 D839,078 S * 1/2019 Stahl D25/199
 D845,116 S * 4/2019 Wokutch D8/380
 10,285,506 B2 * 5/2019 Choi A47C 19/024
 10,321,767 B2 * 6/2019 Jin A47C 17/70
 D855,439 S * 8/2019 Schmonsees D8/349
 D863,040 S * 10/2019 DeDios-Shirley D8/354
 10,561,251 B2 * 2/2020 Choi A47C 19/22
 10,694,860 B2 * 6/2020 Jin A47C 17/70
 10,702,070 B2 * 7/2020 Oh A47C 19/005
 D899,912 S * 10/2020 O'Halloran D8/382
 10,813,467 B2 * 10/2020 Jin A47C 19/122
 D909,422 S * 2/2021 Carter D15/28
 10,952,538 B2 * 3/2021 Choi A47C 19/122
 D924,665 S * 7/2021 DeDios-Shirley D8/349
 11,278,123 B2 * 3/2022 Choi A47C 19/122
 D947,650 S * 4/2022 Dedios-Shirley D8/349
 D959,237 S * 8/2022 Mantenido D8/349
 D959,960 S * 8/2022 Witherbee D8/354
 D966,867 S * 10/2022 Smith D8/354
 D969,787 S * 11/2022 Lehmann D8/349
 2005/0251912 A1 * 11/2005 Wickstrom A47C 23/005
 5/249
 2011/0099712 A1 * 5/2011 Jin A47C 19/122
 5/174
 2011/0126352 A1 * 6/2011 Choi A47C 19/122
 5/174
 2012/0042449 A1 * 2/2012 Hull A47C 23/005
 5/246
 2012/0222216 A1 * 9/2012 Jin A47C 19/122
 5/400

2013/0067659 A1 * 3/2013 Oh A47C 19/12
 5/400
 2013/0276228 A1 * 10/2013 Hsieh A47C 19/122
 5/400
 2013/0276229 A1 * 10/2013 Hsieh A47C 19/122
 5/400
 2015/0320225 A1 * 11/2015 Boyd A47C 19/122
 5/200.1
 2016/0081484 A1 * 3/2016 Hull F16B 12/56
 5/202
 2016/0143447 A1 * 5/2016 Hull A47C 23/005
 5/202
 2016/0157621 A1 * 6/2016 Oh A47C 19/12
 5/202
 2016/0302582 A1 * 10/2016 Oh F16B 12/56
 2016/0302583 A1 * 10/2016 Oh A47C 19/12
 2016/0316921 A1 * 11/2016 Choi A47C 19/025
 2016/0316922 A1 * 11/2016 Choi A47C 19/122
 2017/0119166 A1 * 5/2017 An A47C 17/40
 2017/0215598 A1 * 8/2017 Choi A47C 19/04
 2017/0325592 A1 * 11/2017 Suh A47C 31/00
 2018/0014656 A1 * 1/2018 Guohong A47C 19/122
 2018/0055235 A1 * 3/2018 Choi A47C 19/12
 2018/0055236 A1 * 3/2018 Choi A47C 19/122
 2018/0110339 A1 * 4/2018 Moon A47C 19/122
 2018/0116412 A1 * 5/2018 Jin A47C 19/025
 2019/0045938 A1 * 2/2019 Skaggs A47C 19/122
 2020/0022502 A1 * 1/2020 Choi A47C 19/122
 2022/0007844 A1 * 1/2022 Kong A47C 19/025
 2022/0395106 A1 * 12/2022 Cranney A47C 23/005
 2023/0049345 A1 * 2/2023 Jung A47C 19/02

FOREIGN PATENT DOCUMENTS

CN 305247644 * 7/2019
 CN 306389126 * 3/2021
 CN 307456211 * 4/2022
 CN 307467599 * 7/2022
 CN 307515207 * 8/2022
 CN 307524794 * 9/2022
 CN 307903359 * 3/2023
 KR 302699633 * 1/2014
 KR 300960440 * 6/2018
 KR 300984778.0000 * 12/2018

OTHER PUBLICATIONS

Youtube, Simple Life Foundation Setup fold open box spring, 2014
<https://www.youtube.com/watch?v=u-sFY5Nqpcs> (Year: 2014).
 Zinus, "No Assembly 9" Metal Box Spring", first avail Jan. 15, 2015
https://www.amazon.ca/Mattress-Foundation-structure-assembly-required/dp/B0077UCFXG/ref=sr_1_25?crd=29XY0ROU97L9K&keywords=folding%2Bbed%2Bbox%2Bspring&qid=1689273160&srprefix=folding%2Bbed%2Bbox%2Bspring%2Caps%2C125&sr=8-25&t (Year: 2015).
 LukLoy, "Fence Bracket", first available Aug. 9, 2020 https://www.amazon.ca/Bracket-Repair-Brackets-Hanger-Galvanized/dp/B08BZ6SCRD/ref=sr_1_31?crd=U7M6M8D7DWVW&keywords=framing+bracket&qid=1689274813&srprefix=framing+bracket%2Caps%2C92&sr=8-31 (Year: 2020).
 Simpson, "Strong Tie Joist Hanger", first av Sep. 11, 2014 https://www.amazon.ca/dp/B003B6HQDE/ref=sspa_dk_detail_1?pd_rd_i=B003B6HQDE&pd_rd_w=OC9T0&content-id=amzn1.sym.d8c43617-c625-45bd-a63f-ad8715c2c055&pf_rd_p=d8c43617-c625-45bd-a63f-ad8715c2c055&pf_rd_r=Q0XT4W3JZRZW8NM1122J&pd_rd_wg=LiS7N&pd (Year: 2014).*

* cited by examiner

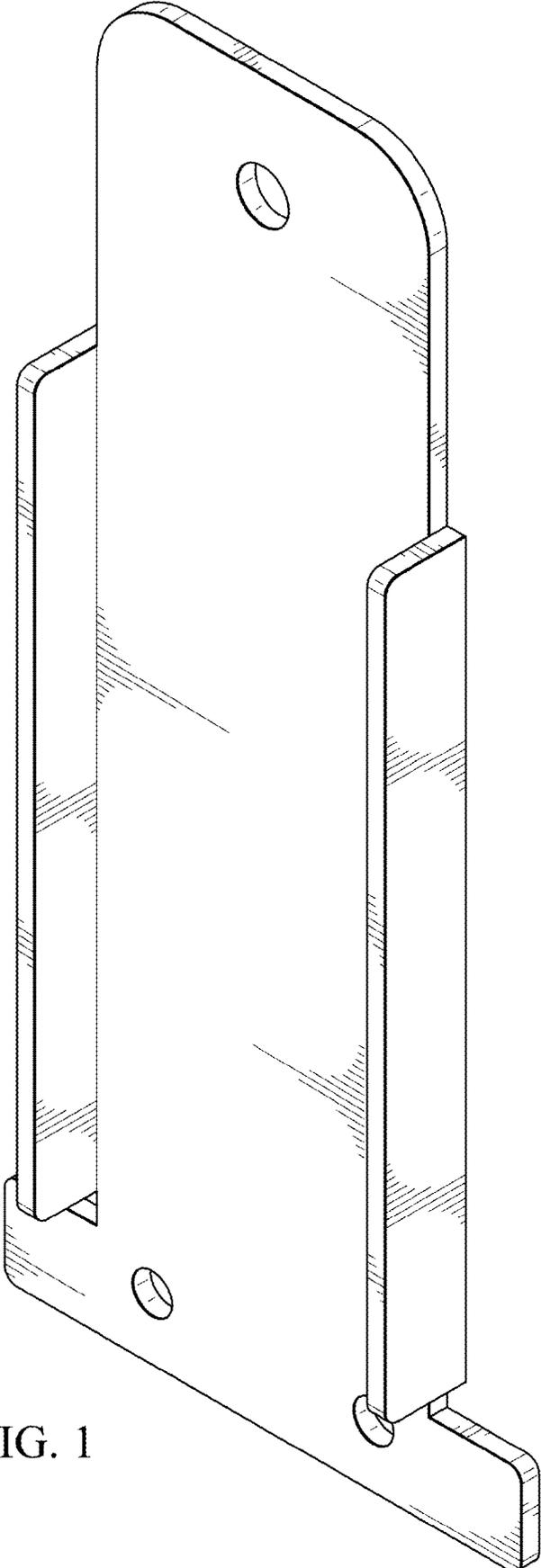


FIG. 1

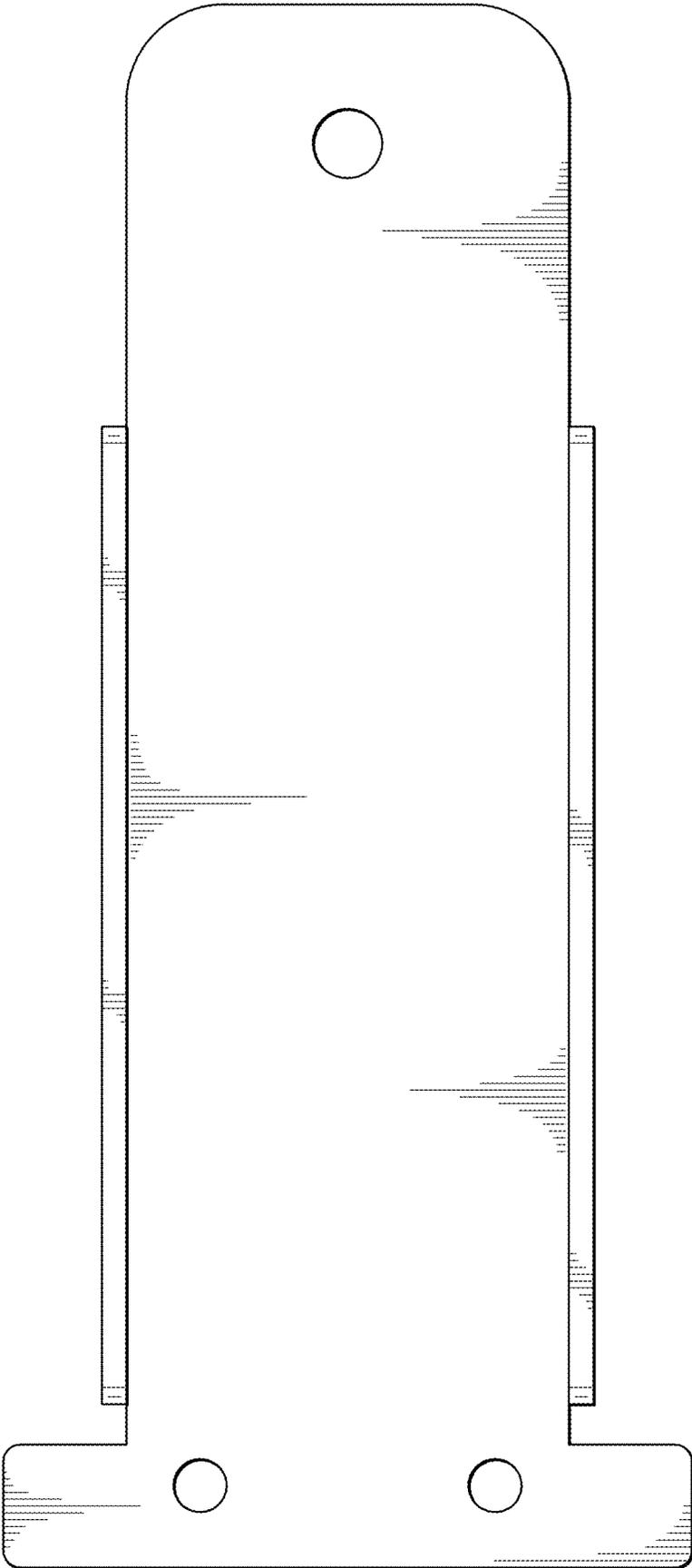


FIG. 2

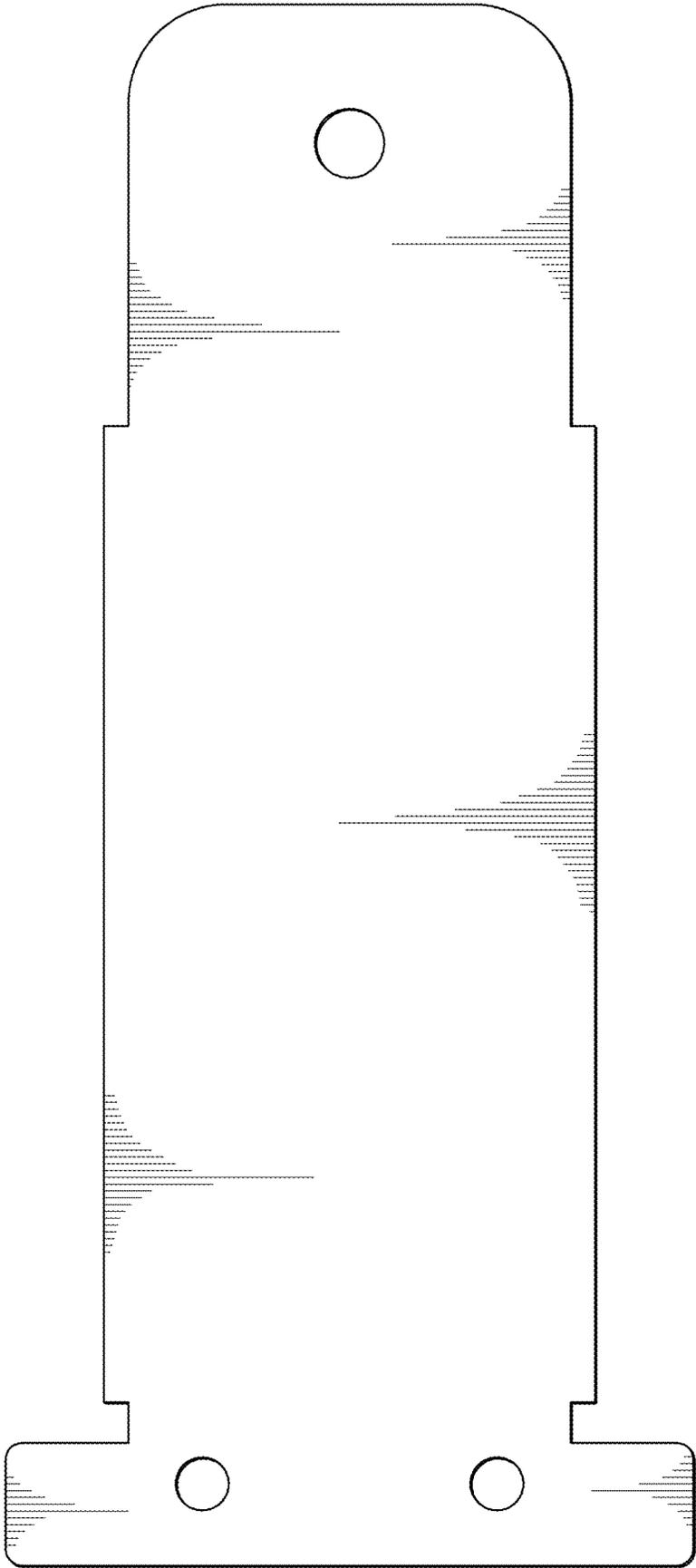


FIG. 3

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FIG. 4



FIG. 5

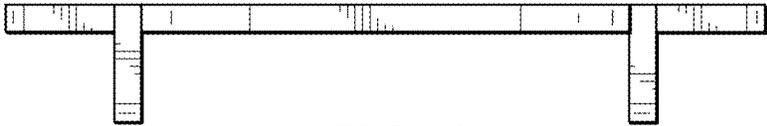


FIG. 6



FIG. 7

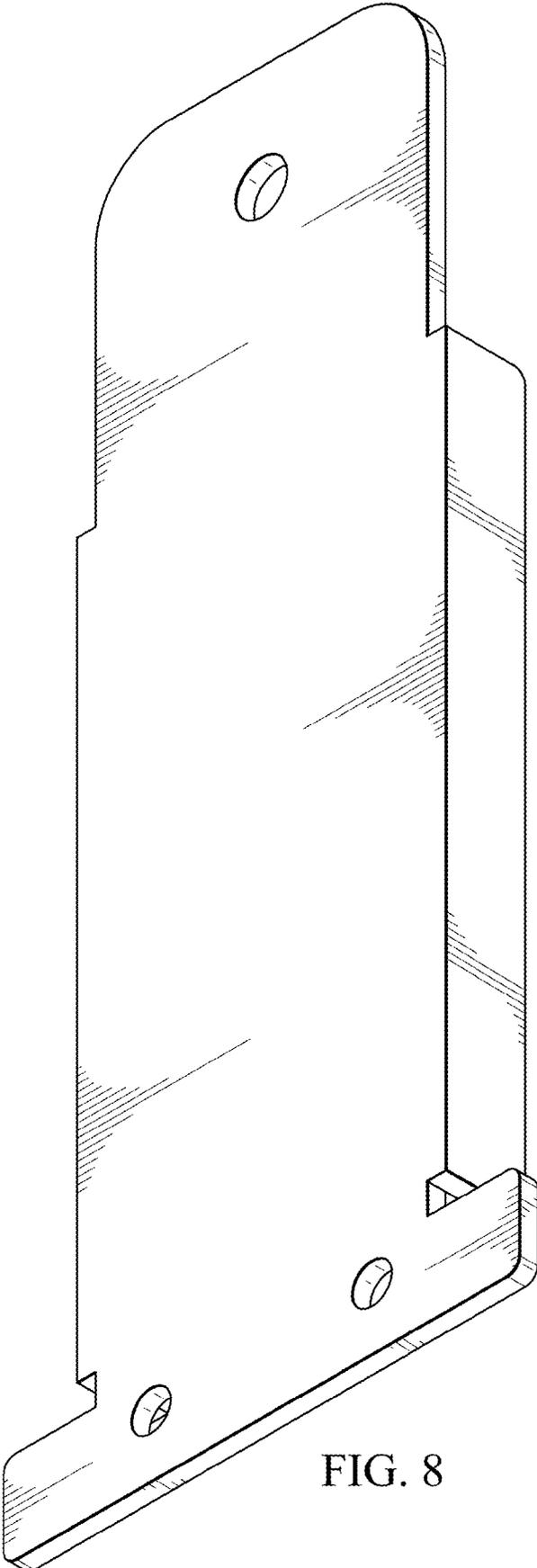


FIG. 8