



US00D971284S

(12) **United States Design Patent** (10) **Patent No.:** **US D971,284 S**
Zell et al. (45) **Date of Patent:** **** Nov. 29, 2022**

(54) **OPERATING-MODE SELECTING ASSEMBLY OF READER UNIT, SELECTOR, AND KEY**

(71) Applicant: **PILZ GMBH & CO. KG**, Ostfildern (DE)

(72) Inventors: **Christoph Zell**, Ostfildern (DE); **Daniel Schurr**, Ostfildern (DE); **Juergen Fleiner**, Ostfildern (DE); **Peter Schuster**, Ostfildern (DE); **Lydia Wegerer**, Ostfildern (DE); **Lothar Merz**, Ostfildern (DE); **Georg Kunz**, Ostfildern (DE); **Hannah Katzler**, Ostfildern (DE)

(73) Assignee: **PILZ GMBH & CO. KG**, Ostfildern (DE)

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

(21) Appl. No.: **29/725,915**

(22) Filed: **Feb. 27, 2020**

(30) **Foreign Application Priority Data**

Aug. 27, 2019 (DE) 40 2019 100 919.1

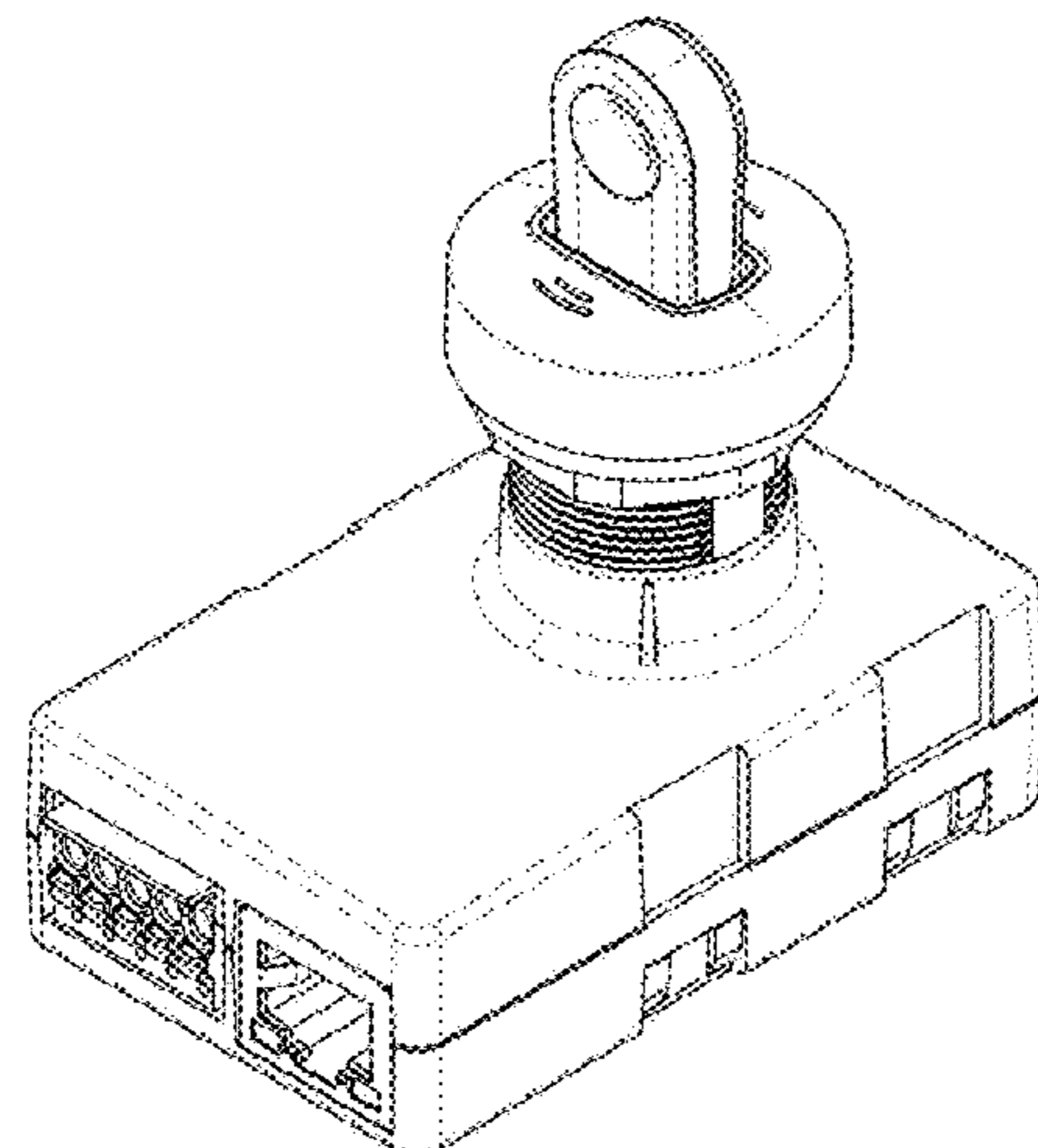
(51) **LOC (13) Cl.** **15-99**

(52) **U.S. Cl.**
USPC **D15/199**; D13/162.1; D14/383

(58) **Field of Classification Search**
USPC D14/356, 357, 358, 388, 218, 454, 299, D14/496, 400, 401, 203.1, 203.3, 203.6, D14/432, 420, 421, 453, 344, 137, 138 R, D14/155, 168, 383; D10/46, 65, 70, 74, D10/75, 80, 104.1, 104.2, 106.6, 114.1, D10/114.2, 114.3, 114.9, 121; D24/165, D24/167, 168, 186; D12/317, 174, 177; D3/215, 218; D13/123, 158, 162, 162.1, D13/168, 173, 174, 177; D8/347; D15/138, 199

CPC G07C 2009/00174; G07C 2009/00761; G07C 2009/00944; G07C 2009/00952; G07C 2009/0096; G07C 2009/00984; G07C 2009/00992; G07C 2009/00301;

(Continued)



(56) **References Cited**

U.S. PATENT DOCUMENTS

D210,284 S * 2/1968 Kerwin D15/199
D217,253 S * 4/1970 Daggart D13/171
D243,960 S * 4/1977 Roch D15/138

(Continued)

OTHER PUBLICATIONS

Das Universaltalent—Electronic-Key-System EKS, Euchner GmbH + Co. KG; May 31, 2017; 8 pages.

Primary Examiner — Marie D. Fast Horse

(74) *Attorney, Agent, or Firm* — Harness, Dickey & Pierce, P.L.C.

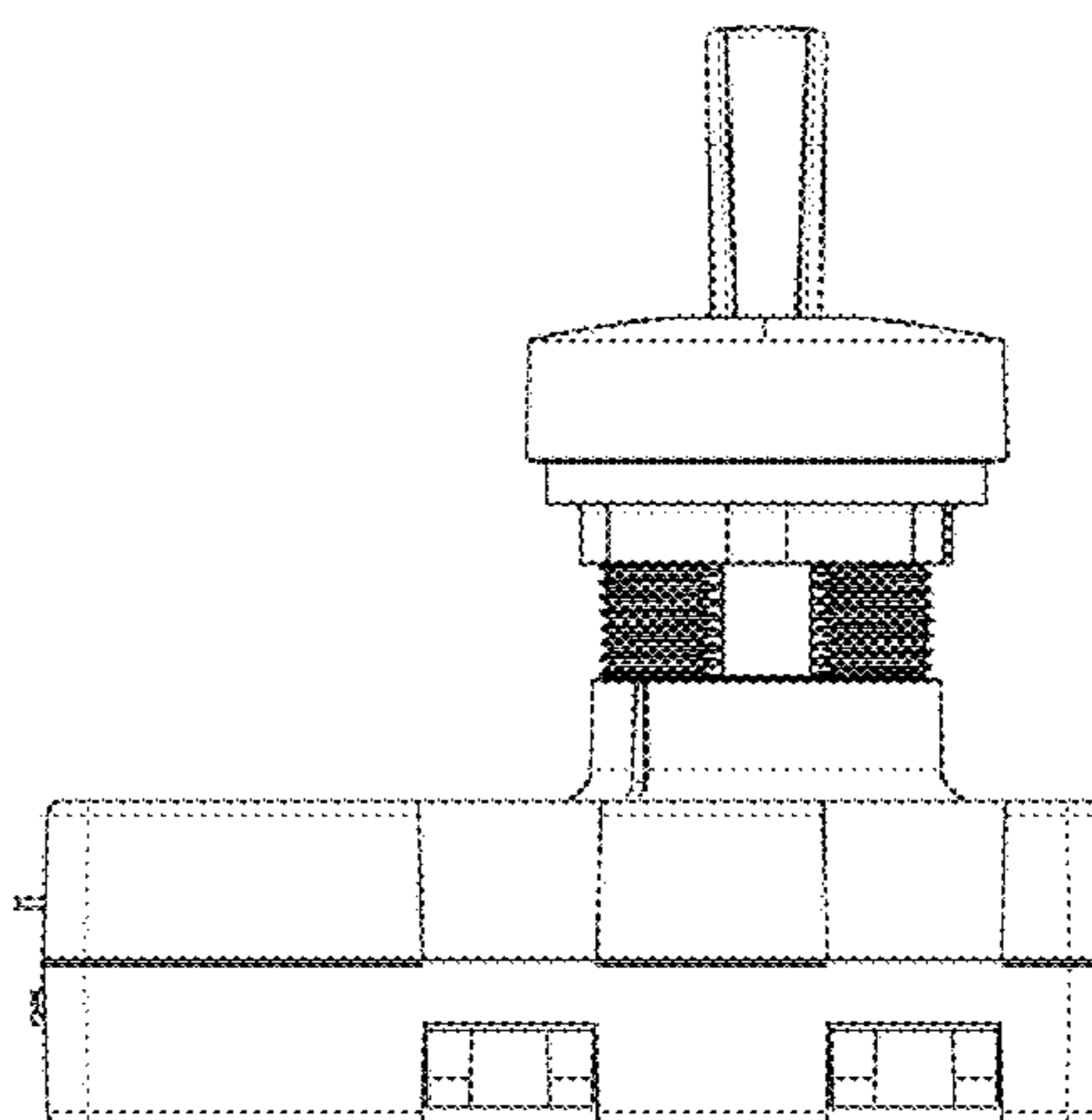
(57) **CLAIM**

The ornamental design for an operating-mode selecting assembly of a reader unit, selector, and key, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an operating-mode selecting assembly of reader unit, selector, and key showing our new design;
FIG. 2 is an enlarged front view thereof;
FIG. 3 is an enlarged rear view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is an enlarged top view thereof; and,
FIG. 7 is an enlarged bottom view thereof.
The broken lines in the figures are for the purpose of illustrating portions of the operating-mode selecting assembly of reader unit, selector, and key that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(58) **Field of Classification Search**
 CPC G07C 9/00857; E05B 49/00; G06K 7/00;
 G06K 9/00; H03K 17/00
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D300,528 S * 4/1989 Drane D13/171
 D317,005 S * 5/1991 Wickrema D14/358
 D331,060 S * 11/1992 Emmons D14/218
 D337,993 S * 8/1993 Garthwaite D13/184
 D357,906 S * 5/1995 Fukushima D14/358
 D371,793 S * 7/1996 Patton D14/218
 D391,943 S * 3/1998 Han D14/356
 D414,476 S * 9/1999 Hibino D14/358
 5,982,888 A * 11/1999 Luckeneder G07C 9/00857
 380/52
 D453,329 S * 2/2002 Muramatsu D14/230
 D461,701 S * 8/2002 Kang D8/347
 D464,630 S * 10/2002 Woodworth D13/171
 D467,892 S * 12/2002 Lewis D14/203.6
 D469,411 S * 1/2003 Decosse D13/171
 D479,254 S * 9/2003 Kalen D15/199
 D497,882 S * 11/2004 Huang D13/168
 D515,580 S * 2/2006 Boswell D14/412
 D516,073 S * 2/2006 Boswell D14/399
 D518,030 S * 3/2006 Lin D14/218
 D525,586 S * 7/2006 Blake D13/162
 D550,297 S * 9/2007 Luciano, Jr. D13/171
 D550,299 S * 9/2007 Luciano, Jr. D13/171
 D550,303 S * 9/2007 Luciano, Jr. D13/174
 D550,305 S * 9/2007 Luciano, Jr. D13/174
 D555,605 S * 11/2007 Parnell D13/171
 D556,198 S * 11/2007 Blankenship D14/480.5
 D556,268 S * 11/2007 Luciano, Jr. D13/171
 D568,304 S * 5/2008 Park D14/357
 D576,562 S * 9/2008 Kaluza D13/162
 D579,318 S * 10/2008 Davis D8/347
 D589,044 S * 3/2009 Yoshida D14/358
 D607,852 S * 1/2010 Riede D13/174
 D610,097 S * 2/2010 Gandini D13/171
 D619,117 S * 7/2010 Unruh D14/203.6
 D632,265 S * 2/2011 Choi D13/168
 D633,447 S * 3/2011 Schaal D13/168
 D635,841 S * 4/2011 Lindley D8/347
 D644,209 S * 8/2011 Nardin D14/218
 D659,093 S * 5/2012 Schmid D13/108
 D659,652 S * 5/2012 Wong D13/162.1
 D683,251 S * 5/2013 Dumas D10/104.2
 D689,827 S * 9/2013 Mayer D13/171
 D692,397 S * 10/2013 Liu D13/162.1
 D708,611 S * 7/2014 Burmeister-Brown D14/356
 D708,974 S * 7/2014 Dauwalter, III D10/104.1
 D716,803 S * 11/2014 Neumann D14/358
 D716,804 S * 11/2014 Neumann D14/356
 D725,098 S * 3/2015 Neumann D14/358
 D725,099 S * 3/2015 Neumann D14/358
 D729,179 S * 5/2015 Cheung D13/171
 D732,530 S * 6/2015 Hermansson D14/358
 D739,359 S * 9/2015 Creasman D13/165

D749,666 S * 2/2016 Ahdoot D14/218
 D760,221 S * 6/2016 Maruyama D14/357
 D764,460 S * 8/2016 Veja D14/358
 D767,510 S * 9/2016 Zheng D13/168
 D767,568 S * 9/2016 McWilliam D14/358
 D768,746 S * 10/2016 Liu D15/199
 D776,113 S * 1/2017 Bierach D14/383
 D782,987 S * 4/2017 Gassner D13/171
 D784,287 S * 4/2017 Murray D14/168
 D788,046 S * 5/2017 Oksengendler D13/162
 D788,776 S * 6/2017 Marzette, Jr. D14/358
 D794,577 S * 8/2017 Hoffknecht D13/162
 D794,578 S * 8/2017 Oksengendler D13/162
 D803,280 S * 11/2017 Suzuki D15/138
 D803,281 S * 11/2017 Suzuki D15/138
 D803,911 S * 11/2017 Suzuki D15/138
 D804,533 S * 12/2017 Mangum D14/496
 D805,040 S * 12/2017 Oksengendler D13/162
 D806,042 S * 12/2017 Oksengendler D13/162
 D812,054 S * 3/2018 Bierach D14/383
 D814,425 S * 4/2018 Stray D13/162.1
 D815,967 S * 4/2018 Ramasarma D10/104.1
 D815,968 S * 4/2018 Ramasarma D10/104.1
 D815,969 S * 4/2018 Ramasarma D10/104.1
 D816,047 S * 4/2018 Stray D13/162.1
 D829,714 S * 10/2018 Robinson D14/356
 D830,358 S * 10/2018 Wietzke D14/358
 D831,646 S * 10/2018 Kusano D14/358
 D832,796 S * 11/2018 Seidl D13/162
 D832,797 S * 11/2018 Seidl D13/162
 D832,798 S * 11/2018 Seidl D13/162
 D832,801 S * 11/2018 Dorn D13/174
 D833,403 S * 11/2018 Seidl D13/162
 D838,678 S * 1/2019 Seidl D13/171
 D838,679 S * 1/2019 Seidl D13/171
 D839,715 S * 2/2019 Osumi D8/347
 D839,843 S * 2/2019 Seidl D13/162
 D849,004 S * 5/2019 Bierach D14/383
 D849,005 S * 5/2019 Bierach D14/383
 D857,636 S * 8/2019 Ueda D13/162.1
 D858,463 S * 9/2019 Nien D13/168
 D860,958 S * 9/2019 Lewis D13/184
 D868,006 S * 11/2019 Ueda D13/162.1
 D881,677 S * 4/2020 Weiland D8/347
 D882,533 S * 4/2020 Fujino D13/174
 D882,534 S * 4/2020 Fujino D13/174
 D883,239 S * 5/2020 Fujino D13/174
 D885,163 S * 5/2020 Lofberg D8/347
 D885,355 S * 5/2020 Fujino D13/174
 D886,750 S * 6/2020 Andersson D13/174
 D887,376 S * 6/2020 Andersson D13/174
 D889,288 S * 7/2020 Lange D10/70
 D895,465 S * 9/2020 Loew D10/106.6
 D900,812 S * 11/2020 Friedman D14/357
 D910,598 S * 2/2021 Kass G06F 1/1656
 D914,016 S * 3/2021 Steffen D14/218
 D930,600 S * 9/2021 Zhuang D13/171
 D934,092 S * 10/2021 Luebeck D10/104.1
 D939,926 S * 1/2022 Lofberg D8/347

* cited by examiner

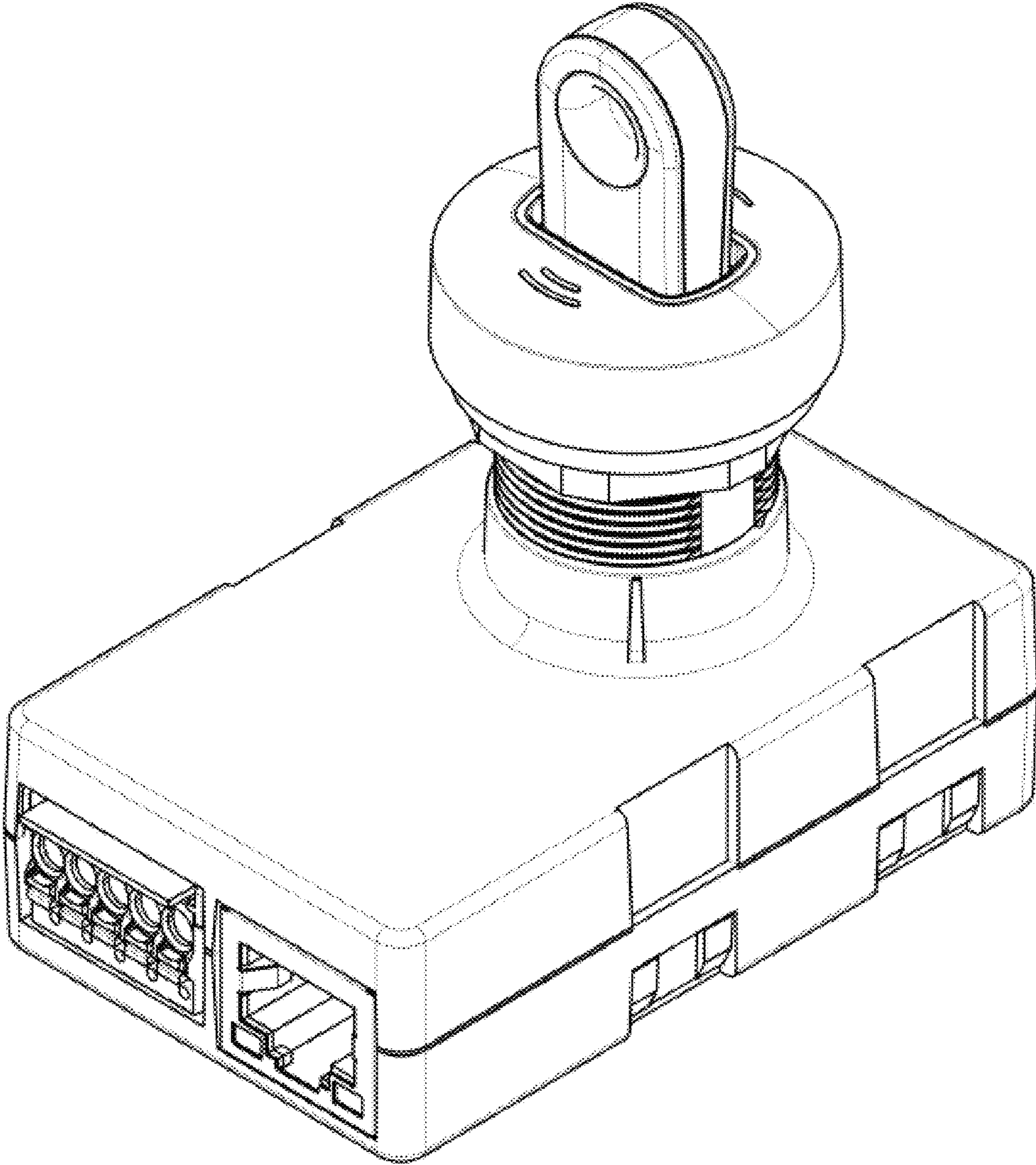


FIG. 1

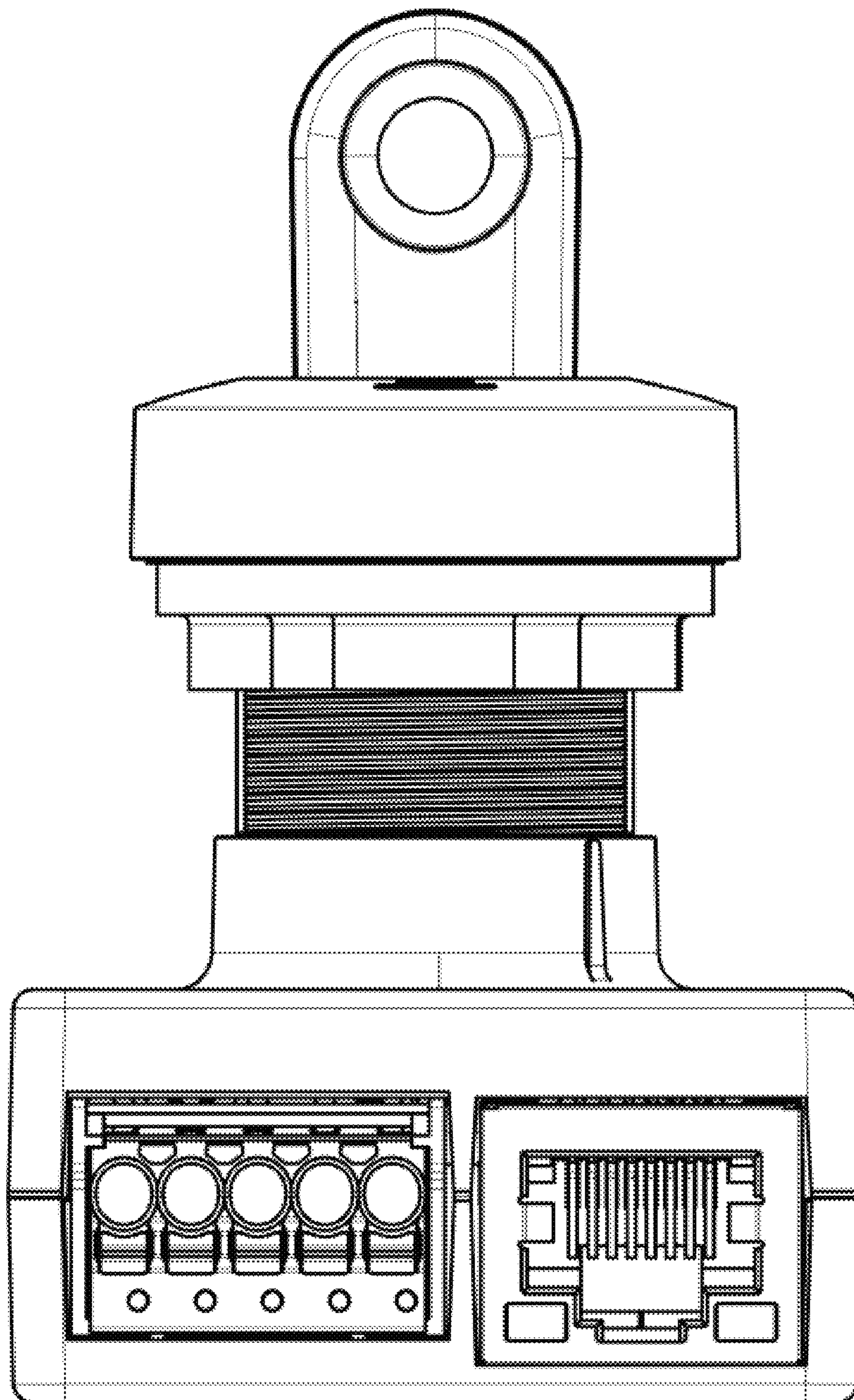


FIG. 2

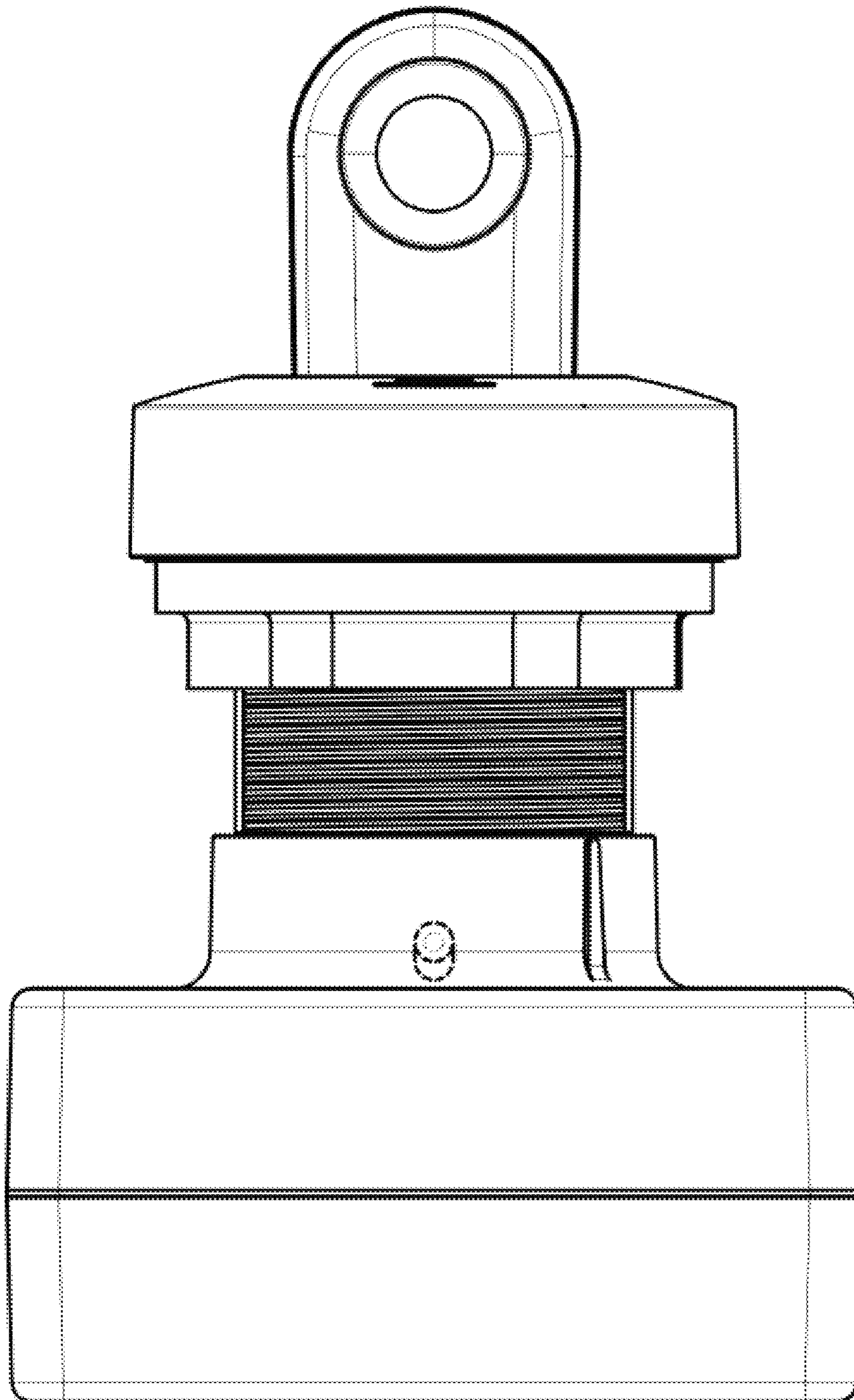


FIG. 3

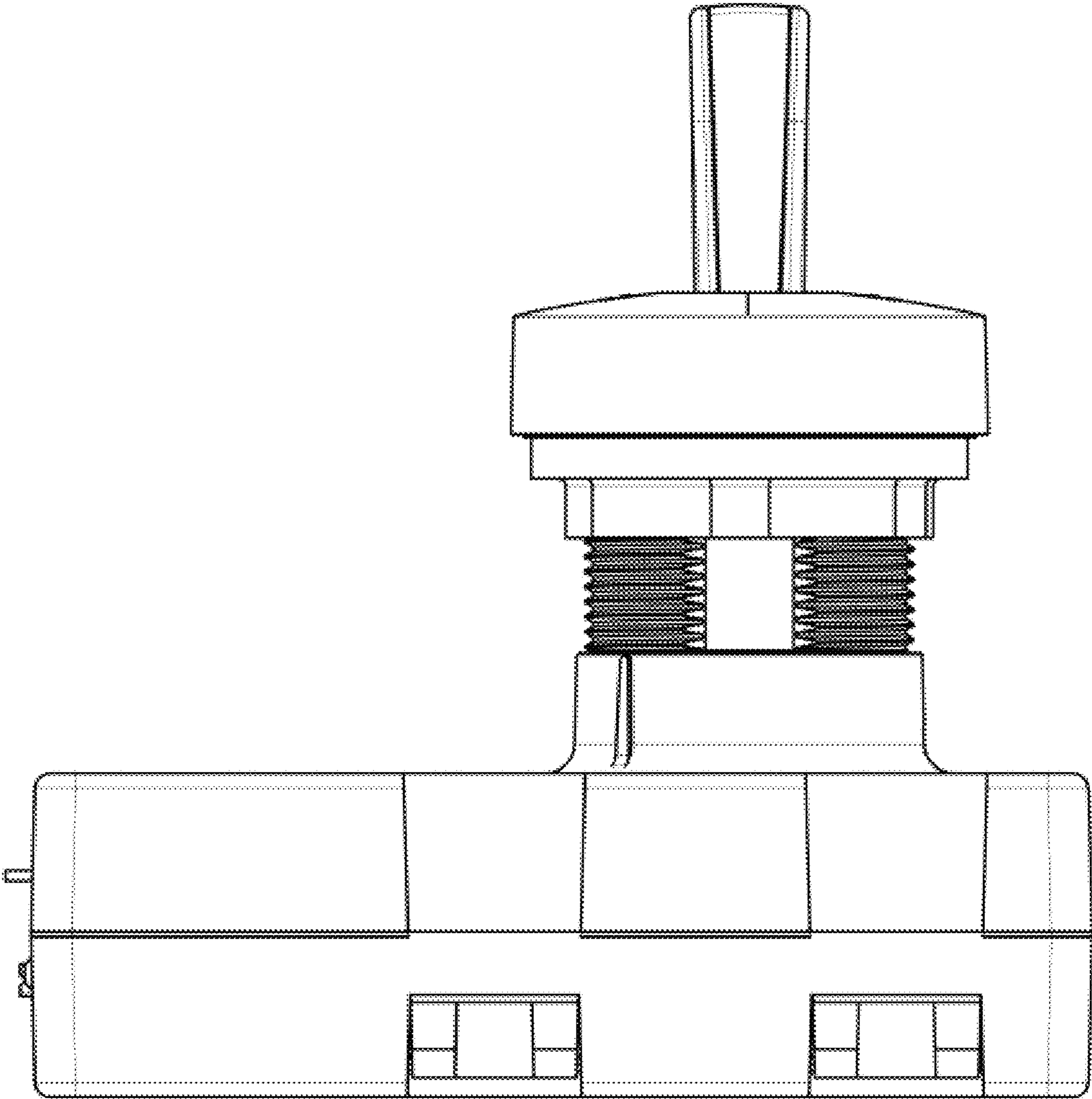


FIG. 4

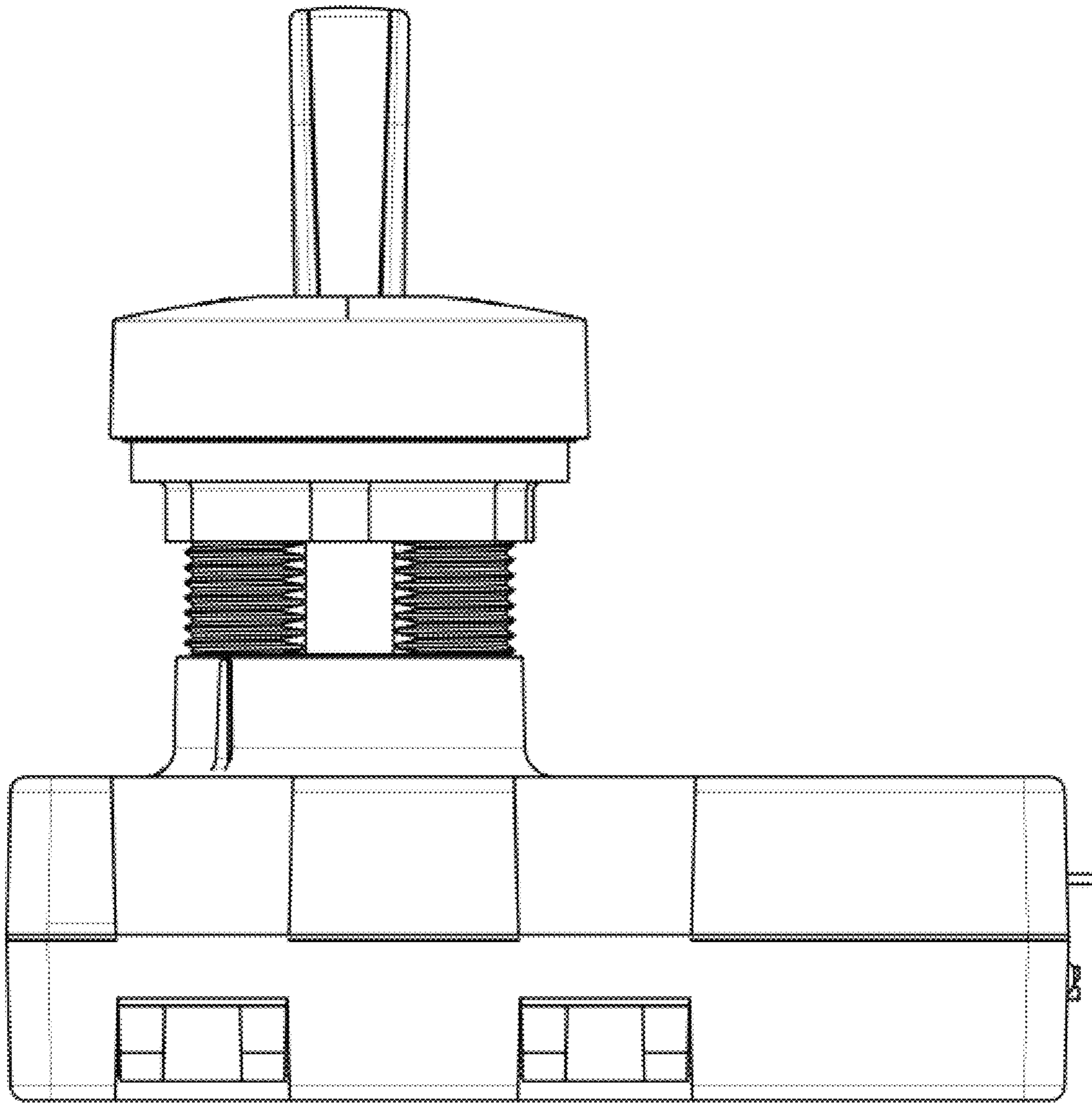


FIG. 5

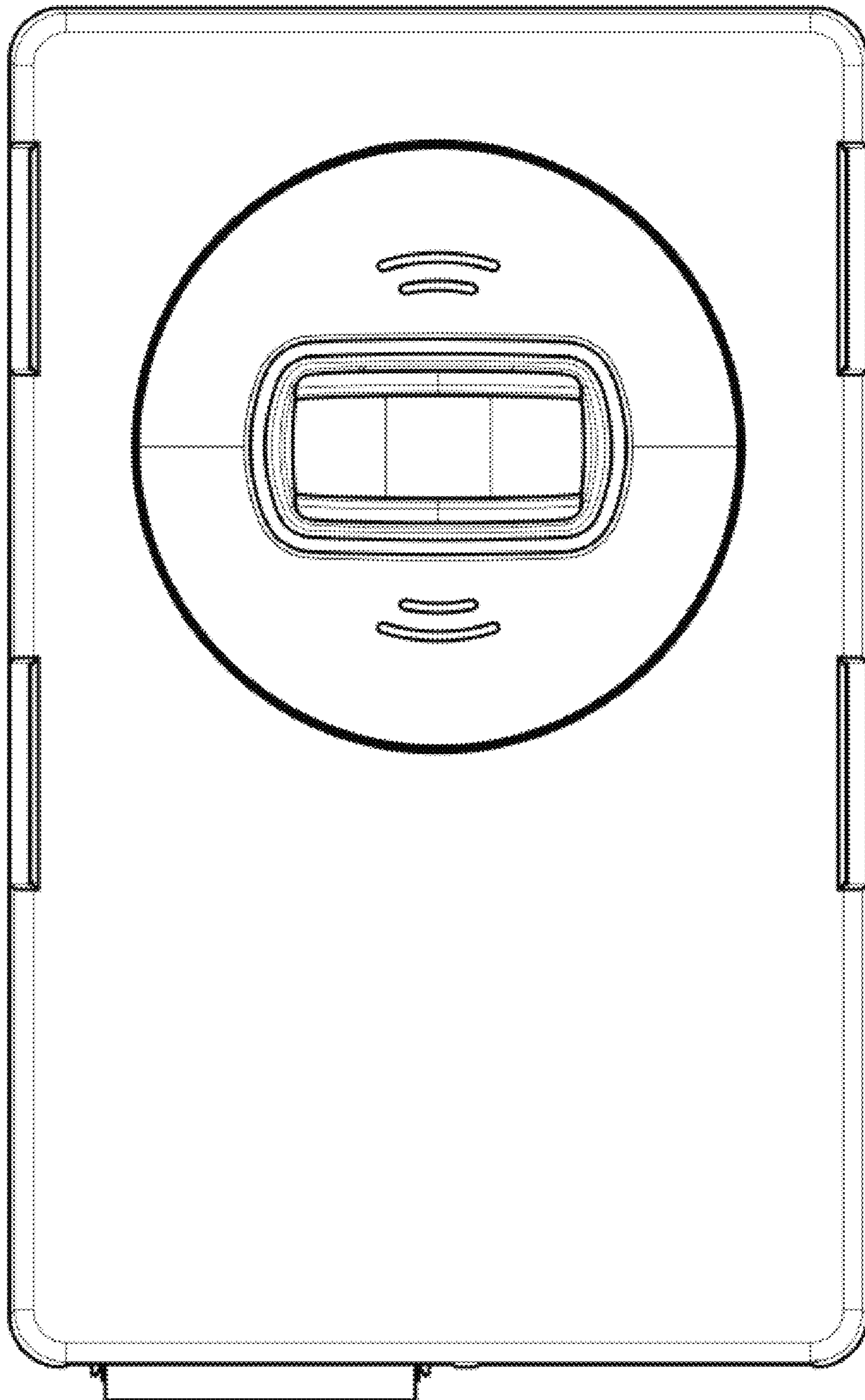


FIG. 6

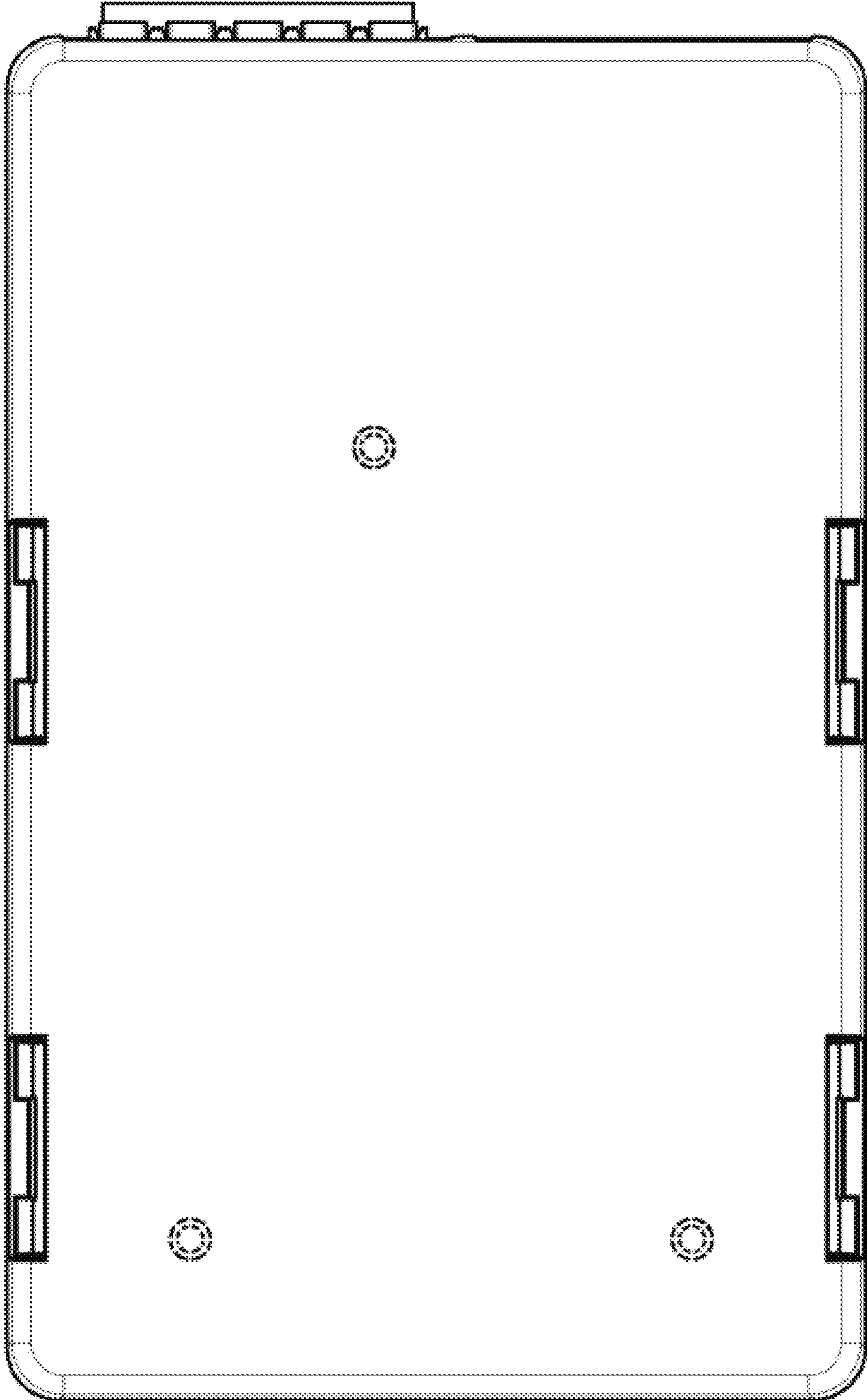


FIG. 7