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(12) **United States Design Patent**  
**Yeh et al.**

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(54) **DOCKING STATION WITH KEYBOARD**

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

(21) Appl. No.: **29/623,054**

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(51) **LOC (12) Cl.** ..... **14-02**

(52) **U.S. Cl.**  
USPC ..... **D14/455; D14/447**

(58) **Field of Classification Search**  
USPC ..... D14/434, 432, 433, 440, 447, 454, 455,  
D14/251–253, 451, 217, 299, 496, 331,  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D325,393 S \* 4/1992 Schertz ..... 281/19.1  
D356,120 S \* 3/1995 Allen ..... D21/335  
(Continued)

**FOREIGN PATENT DOCUMENTS**

TW D151318 1/2013  
TW D178153 9/2016

**OTHER PUBLICATIONS**

Reviewing the Microsoft Universal Foldable Keyboard—A device filled with good intentions. digitalcitizen.life. (online) published

Apr. 5, 2016. [Retrieved on Apr. 3, 2019] <https://www.digitalcitizen.life/reviewing-microsoft-universal-foldable-keyboard-device-filled-good-intentions>.\*

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(57) **CLAIM**

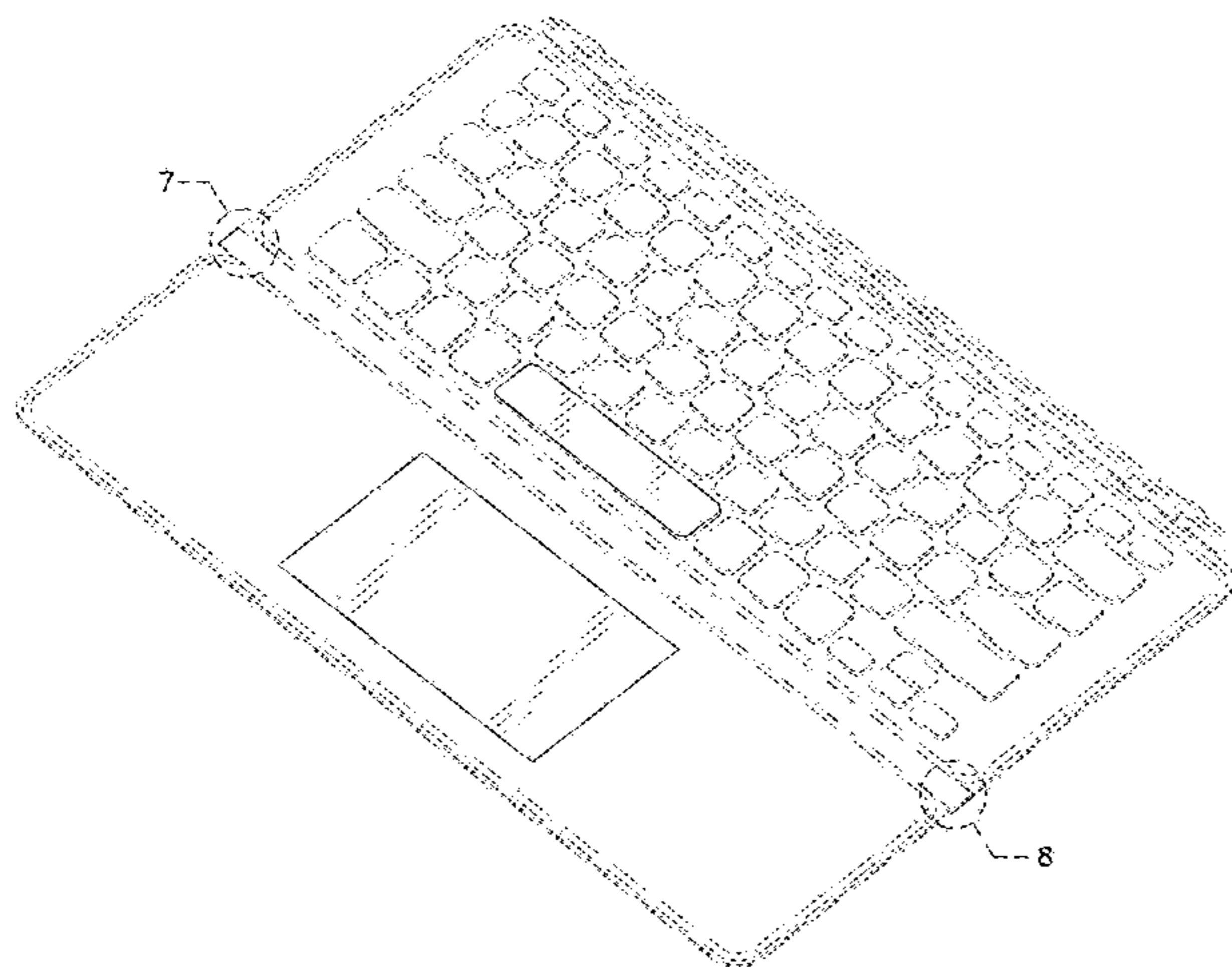
The ornamental design for a docking station with keyboard, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a docking station with keyboard showing our new design, the front and rear views thereof being plain and unornamented; FIG. 2 is another perspective view thereof; FIG. 3 is a left side view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a top view thereof; FIG. 6 is a bottom view thereof; FIG. 7 is an enlarged view of encircled portion of FIG. 1; FIG. 8 is an enlarged view of encircled portion of FIG. 1; FIG. 9 is an enlarged view of encircled portion of FIG. 2; FIG. 10 is an enlarged view of encircled portion of FIG. 2; FIG. 11 is an enlarged view of encircled portion of FIG. 3; FIG. 12 is an enlarged view of encircled portion of FIG. 4; FIG. 13 is an enlarged view of encircled portion of FIG. 5; FIG. 14 is an enlarged view of encircled portion of FIG. 5; FIG. 15 is an enlarged view of encircled portion of FIG. 6; FIG. 16 is an enlarged view of encircled portion of FIG. 6; FIG. 17 is a perspective view thereof in a folded state; and, FIG. 18 is another perspective view thereof.

The dashed broken line portions of the docking station with keyboard represent unclaimed portions of the claimed design and form no part thereof. The dot-dash broken lines define the bounds of the claimed design and form no part thereof. The broken lines consisting of large dashes in FIGS. 1-16 depict reference to the enlargements as shown in FIGS. 7-16 and form no part of the claim.

**1 Claim, 17 Drawing Sheets**





(58) **Field of Classification Search**  
 USPC ... D14/345, 392, 393, 394, 356, 357, 203.4,  
 D14/138 AB, 168, 315, 318, 320, 327,  
 D14/389, 390; D21/330, 333, 335;  
 D13/107, 108  
 CPC ..... G06F 1/1616; G06F 1/1618; G06F 1/162;  
 G06F 1/1632; G06F 1/1662; G06F  
 1/1664; G06F 1/1666; G06F 1/1669;  
 G06F 1/1673  
 See application file for complete search history.

(56) **References Cited**  
 U.S. PATENT DOCUMENTS

D364,191 S \* 11/1995 Allen ..... D21/335  
 D389,129 S \* 1/1998 Guintoli ..... D14/454  
 D437,612 S \* 2/2001 Verdicchio ..... D19/26  
 D470,493 S \* 2/2003 Tritschler ..... D14/393  
 D475,709 S \* 6/2003 Tritschler ..... D14/396  
 D491,176 S \* 6/2004 Shimano ..... D14/318  
 D519,559 S \* 4/2006 Mehta ..... D19/26  
 D582,405 S \* 12/2008 Andre ..... D3/299  
 7,492,891 B2 \* 2/2009 Eldon ..... G06F 1/1616  
 379/433.12  
 D603,398 S \* 11/2009 Watson ..... D14/345  
 D604,730 S \* 11/2009 Shih ..... D14/345  
 D621,396 S \* 8/2010 Lee ..... D14/252  
 D625,284 S \* 10/2010 Cha ..... D14/138 AB  
 D631,878 S \* 2/2011 Jensen ..... D14/315  
 D648,334 S \* 11/2011 Andre ..... D14/315  
 D658,188 S \* 4/2012 Diebel ..... D14/440  
 D663,262 S \* 7/2012 Cheung ..... D13/102  
 D665,799 S \* 8/2012 Massaro ..... D14/315  
 D673,158 S \* 12/2012 Yang ..... D14/440  
 D678,885 S \* 3/2013 Gengler ..... D14/447  
 D681,000 S \* 4/2013 Koh ..... D14/203.4  
 D681,054 S \* 4/2013 Koh ..... D14/496  
 D682,839 S \* 5/2013 Sampson ..... D14/447  
 D687,438 S \* 8/2013 Lu ..... D14/440  
 D689,497 S \* 9/2013 Park ..... D14/434  
 D691,143 S \* 10/2013 Diebel ..... D14/440  
 D691,145 S \* 10/2013 Nam-Su ..... D14/440  
 D691,611 S \* 10/2013 Kirzinger ..... D14/440  
 D692,434 S \* 10/2013 Kim ..... D14/440  
 D692,886 S \* 11/2013 Bates ..... D14/392  
 D693,821 S \* 11/2013 Bates ..... D14/440  
 D693,822 S \* 11/2013 Bates ..... D14/440  
 D696,256 S \* 12/2013 Piedra ..... D14/440  
 D696,669 S \* 12/2013 Akana ..... D14/440  
 D697,069 S \* 1/2014 Tak ..... D14/447  
 D700,184 S \* 2/2014 Boldetti ..... D14/440  
 D700,611 S \* 3/2014 Boldetti ..... D14/440  
 D701,200 S \* 3/2014 Chen ..... D14/318  
 D703,209 S \* 4/2014 Marcus ..... D14/440  
 D708,174 S \* 7/2014 Andre ..... D14/315  
 8,766,921 B2 \* 7/2014 Ballagas ..... G06F 1/1626  
 345/168  
 D713,847 S \* 9/2014 Su ..... D14/440  
 8,896,202 B2 \* 11/2014 Oh ..... H01L 51/5237  
 313/511  
 D719,956 S \* 12/2014 Akana ..... D14/440  
 D720,355 S \* 12/2014 Akana ..... D14/440  
 D720,756 S \* 1/2015 Stavrakakis ..... D14/440  
 D723,541 S \* 3/2015 Sohn ..... D14/315  
 D725,097 S \* 3/2015 Ashcroft ..... D14/315  
 D725,118 S \* 3/2015 Hong ..... D14/440  
 D726,731 S \* 4/2015 Kim ..... D14/440  
 D729,253 S \* 5/2015 Nyholm ..... D14/440  
 D732,524 S \* 6/2015 Mehandjiysky ..... D14/315  
 D733,150 S \* 6/2015 Sirichai ..... D14/440  
 D733,152 S \* 6/2015 Sirichai ..... D14/440  
 D734,340 S \* 7/2015 Kim ..... D14/440  
 D736,199 S \* 8/2015 Hirano ..... D14/315  
 D740,296 S \* 10/2015 Itano ..... D14/318  
 D744,489 S \* 12/2015 Sirichai ..... D14/440  
 D744,491 S \* 12/2015 Lee ..... D14/440

D744,492 S \* 12/2015 Lin ..... G06F 1/1632  
 D14/440  
 D745,006 S \* 12/2015 Hirakata ..... D14/341  
 D748,089 S \* 1/2016 Shi ..... D14/315  
 D748,637 S \* 2/2016 Hsu ..... D14/440  
 D750,085 S \* 2/2016 Hsu ..... D14/440  
 D750,632 S \* 3/2016 Diebel ..... D14/440  
 D753,125 S \* 4/2016 Hsu ..... D14/440  
 D753,648 S \* 4/2016 Shyu ..... D14/315  
 D756,364 S \* 5/2016 Hong ..... D14/440  
 D761,267 S \* 7/2016 Chen ..... D14/345  
 D761,798 S \* 7/2016 Lee ..... D14/440  
 D762,654 S \* 8/2016 O'Sullivan ..... D14/455  
 D767,578 S \* 9/2016 Wong ..... D14/455  
 D770,448 S \* 11/2016 Endo ..... D14/341  
 D772,188 S \* 11/2016 Kim ..... D14/138 AB  
 D772,835 S \* 11/2016 Kim ..... D14/138 AB  
 D775,602 S \* 1/2017 Lee ..... D14/138 AB  
 D775,630 S \* 1/2017 Starrett ..... D14/455  
 D777,131 S \* 1/2017 Lee ..... D14/138 AB  
 D778,918 S \* 2/2017 Sauvage ..... D14/455  
 D779,485 S \* 2/2017 Akana ..... D14/345  
 D780,173 S \* 2/2017 Matsuoka ..... D14/315  
 D784,348 S \* 4/2017 Zhang ..... D14/440  
 D786,248 S \* 5/2017 Roberts ..... D14/392  
 D787,505 S \* 5/2017 Kim ..... D14/341  
 D788,726 S \* 6/2017 Lee ..... D14/138 AB  
 D789,941 S \* 6/2017 Sauvage ..... D14/455  
 D790,537 S \* 6/2017 Bae ..... D14/138 AB  
 D791,725 S \* 7/2017 Lee ..... D14/138 AB  
 D791,753 S \* 7/2017 Bae ..... D14/248  
 D791,780 S \* 7/2017 Bailey ..... D14/455  
 D792,393 S \* 7/2017 Akana ..... D14/341  
 D795,826 S \* 8/2017 Yoon ..... D14/138 AB  
 D795,873 S \* 8/2017 Jiang ..... D14/393  
 D797,111 S \* 9/2017 Sauvage ..... D14/455  
 D797,112 S \* 9/2017 Sauvage ..... D14/455  
 D800,112 S \* 10/2017 Park ..... D14/345  
 D802,597 S \* 11/2017 Park ..... D14/455  
 D806,067 S \* 12/2017 Cheng ..... D14/315  
 D807,365 S \* 1/2018 Liu ..... D14/440  
 D808,394 S \* 1/2018 Lakraa ..... D14/440  
 D810,068 S \* 2/2018 Shi ..... D14/315  
 RE46,801 E \* 4/2018 Sohn ..... D14/315  
 D814,455 S \* 4/2018 Kwon ..... D14/341  
 RE46,812 E \* 5/2018 Sohn ..... D14/315  
 D819,038 S \* 5/2018 Diebel ..... D14/440  
 9,983,688 B2 \* 5/2018 Ko ..... G06F 3/0202  
 D820,838 S \* 6/2018 Akana ..... D14/345  
 D820,839 S \* 6/2018 Akana ..... D14/345  
 D828,321 S \* 9/2018 Yeom ..... D14/138 AB  
 D828,360 S \* 9/2018 Moore ..... D14/440  
 D828,842 S \* 9/2018 Mecchella ..... D14/440  
 D829,681 S \* 10/2018 Han ..... D14/138 AB  
 D829,708 S \* 10/2018 Wu ..... D14/315  
 D832,268 S \* 10/2018 Mecchella ..... D14/440  
 D832,851 S \* 11/2018 Mecchella ..... D14/440  
 D832,853 S \* 11/2018 Jinkinson ..... D14/440  
 D832,856 S \* 11/2018 Jinkinson ..... D14/440  
 D834,514 S \* 11/2018 Zhang ..... D13/102  
 D839,267 S \* 1/2019 Park ..... D14/345  
 D840,996 S \* 2/2019 Lambert ..... D14/253  
 D841,088 S \* 2/2019 Weir ..... D19/1  
 2001/0030850 A1 \* 10/2001 Ditzik ..... G06F 1/1616  
 361/679.3  
 2004/0159762 A1 \* 8/2004 Ghosh ..... G06F 1/1632  
 248/351  
 2013/0048517 A1 \* 2/2013 Mecchella ..... A45C 11/00  
 206/216  
 2014/0139989 A1 \* 5/2014 Mori ..... G06F 1/1628  
 361/679.09  
 2014/0355190 A1 \* 12/2014 Yeh ..... G06F 1/1669  
 361/679.17  
 2015/0296068 A1 \* 10/2015 Chin ..... G06F 1/1628  
 455/575.8

(56)

**References Cited**

U.S. PATENT DOCUMENTS

2016/0011628 A1\* 1/2016 Sato ..... G06F 1/1656  
361/679.3  
2016/0349794 A1\* 12/2016 Yeh ..... G06F 1/1632

OTHER PUBLICATIONS

247869\_02\_2018\_if\_design\_award\_hybrid\_convertible\_02.ifdesign.  
de. (online) 1 pg. Uploaded Jan. 2018. [Retrieved on Aug. 6, 2019]  
[https://uploads.ifdesign.de/award\\_img\\_330/oex\\_large/247869\\_02\\_2018\\_if\\_design\\_award\\_hybrid\\_convertible\\_02.jpg](https://uploads.ifdesign.de/award_img_330/oex_large/247869_02_2018_if_design_award_hybrid_convertible_02.jpg).\*

Introducing the Laptab Yanko Design. yankodesign.com. (online) 5  
pgs. Posted Apr. 2018. [Retrieved on Aug. 6, 2019] <https://www.yankodesign.com/2018/04/11/introducing-the-laptab/>.\*

2017 Logitech iPad Pro Slim Combo Keyboard and Case Unboxing.  
(online) 1 pg. Published Jun. 13, 2017. [Retrieved on Aug. 6, 2019]  
<https://www.youtube.com/watch?v=6KGNb5li-5Q>.\*

\* cited by examiner



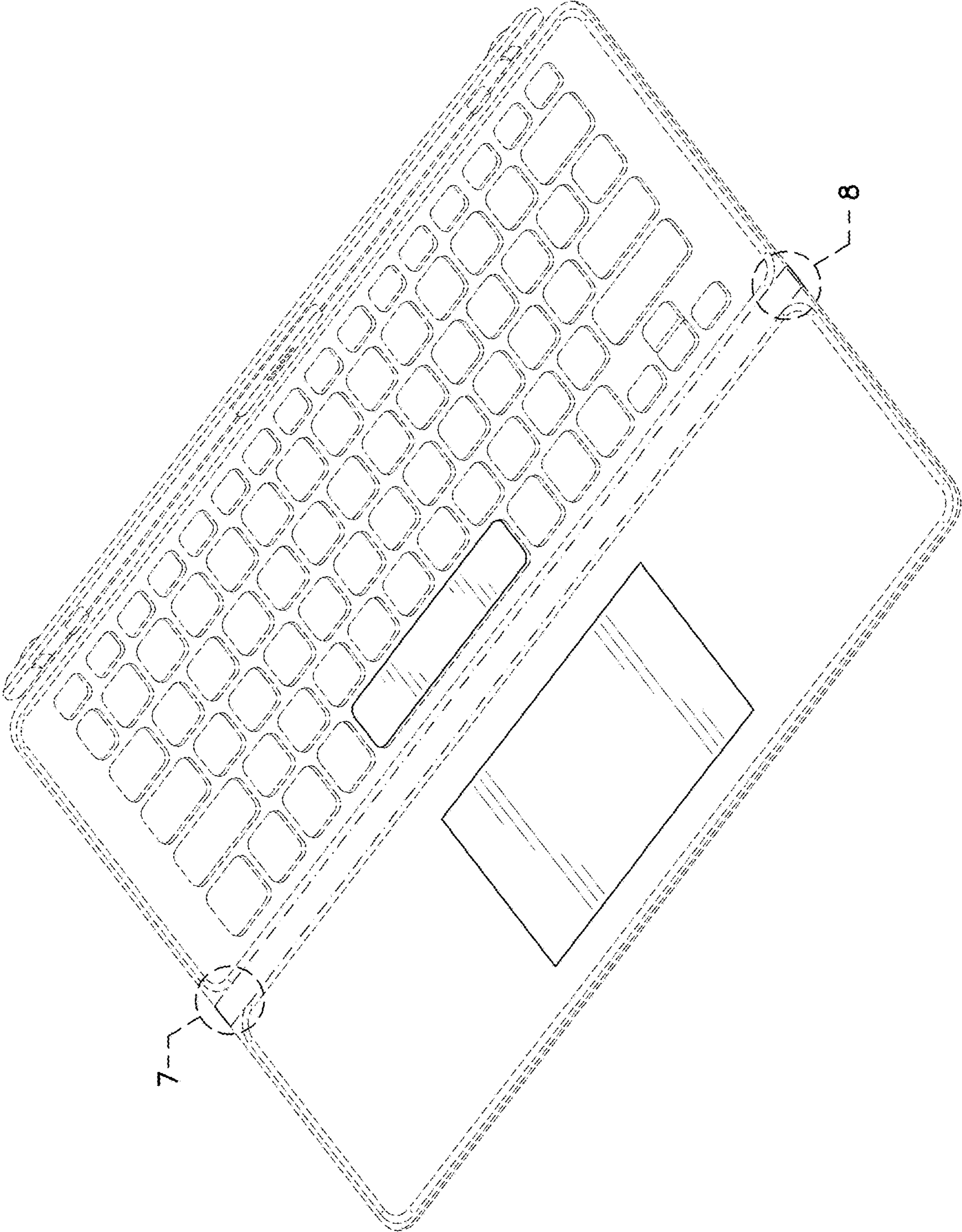


FIG. 1

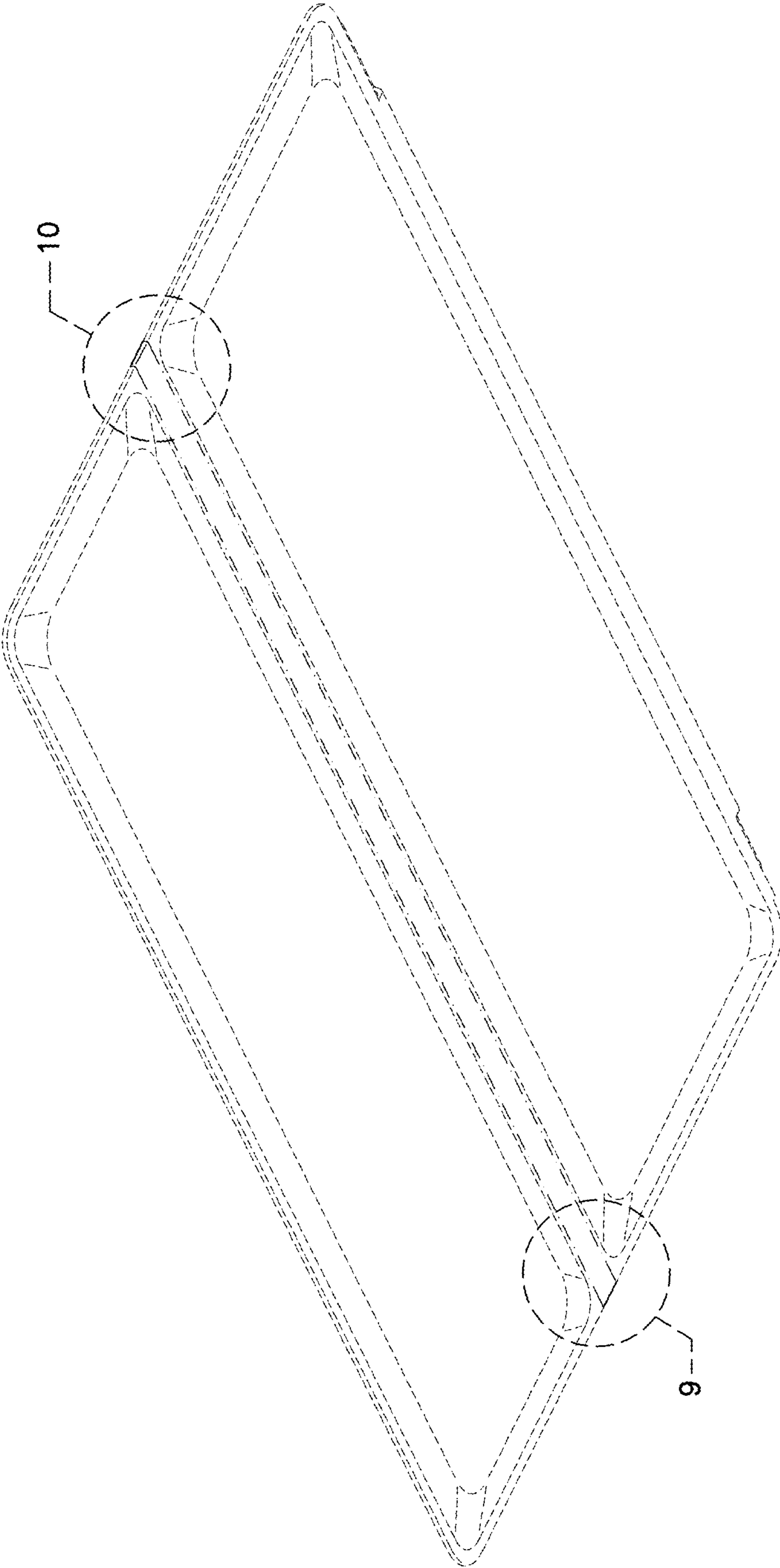


FIG. 2

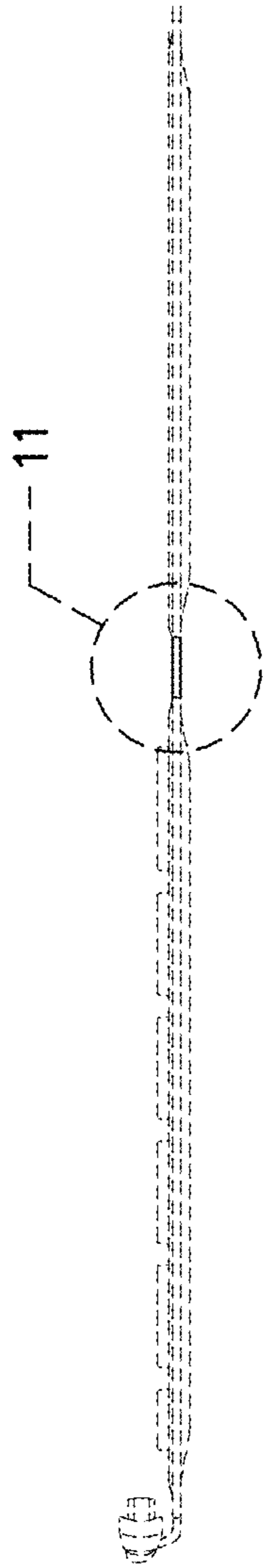


FIG. 3

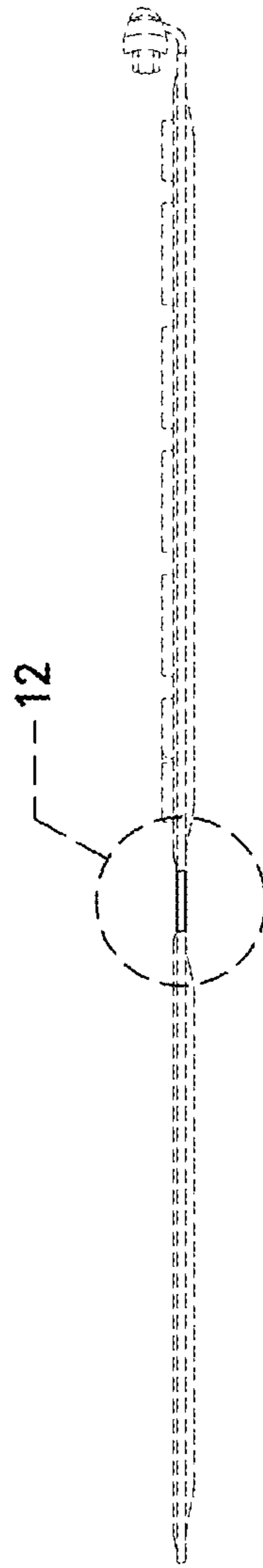


FIG. 4

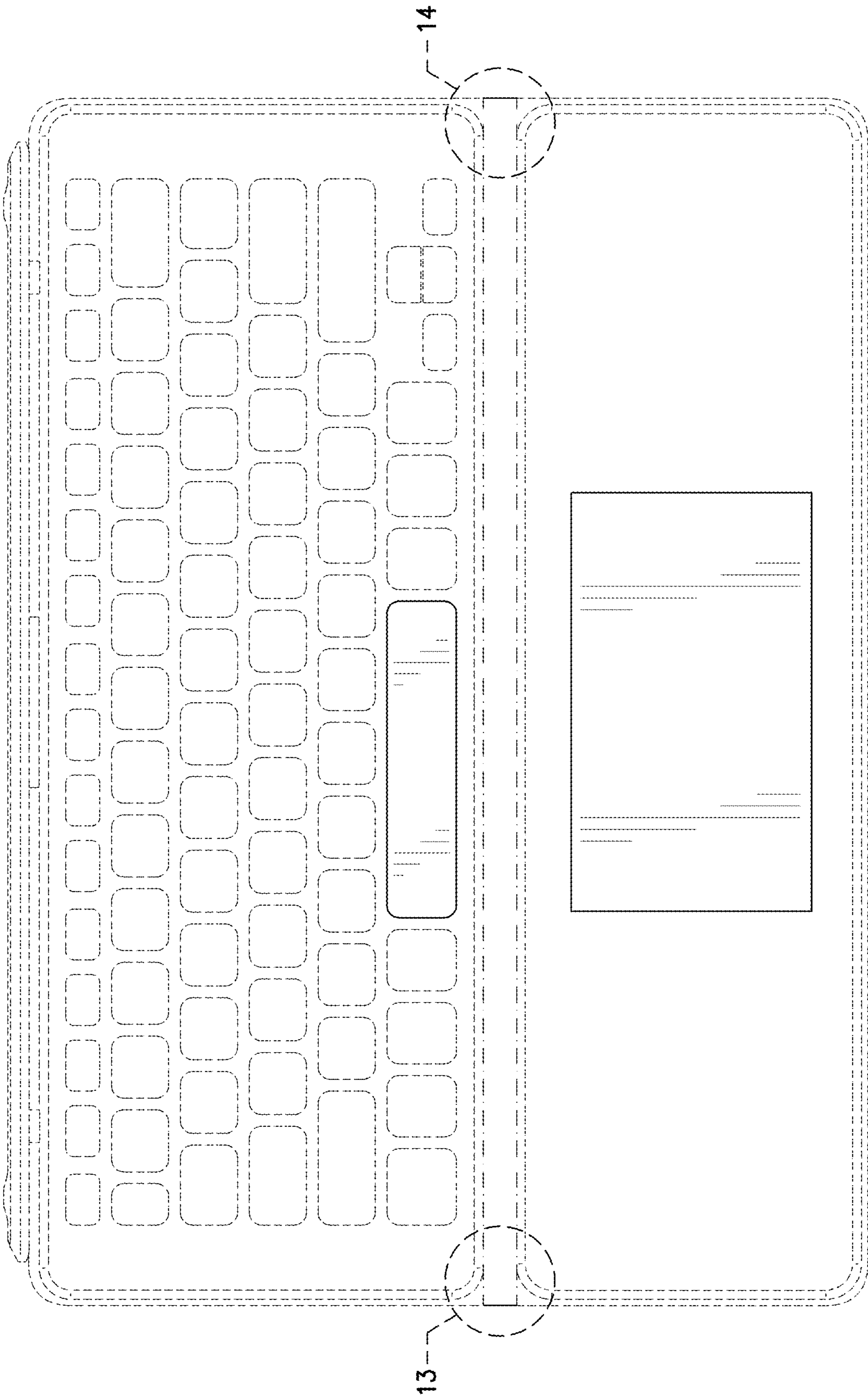


FIG. 5

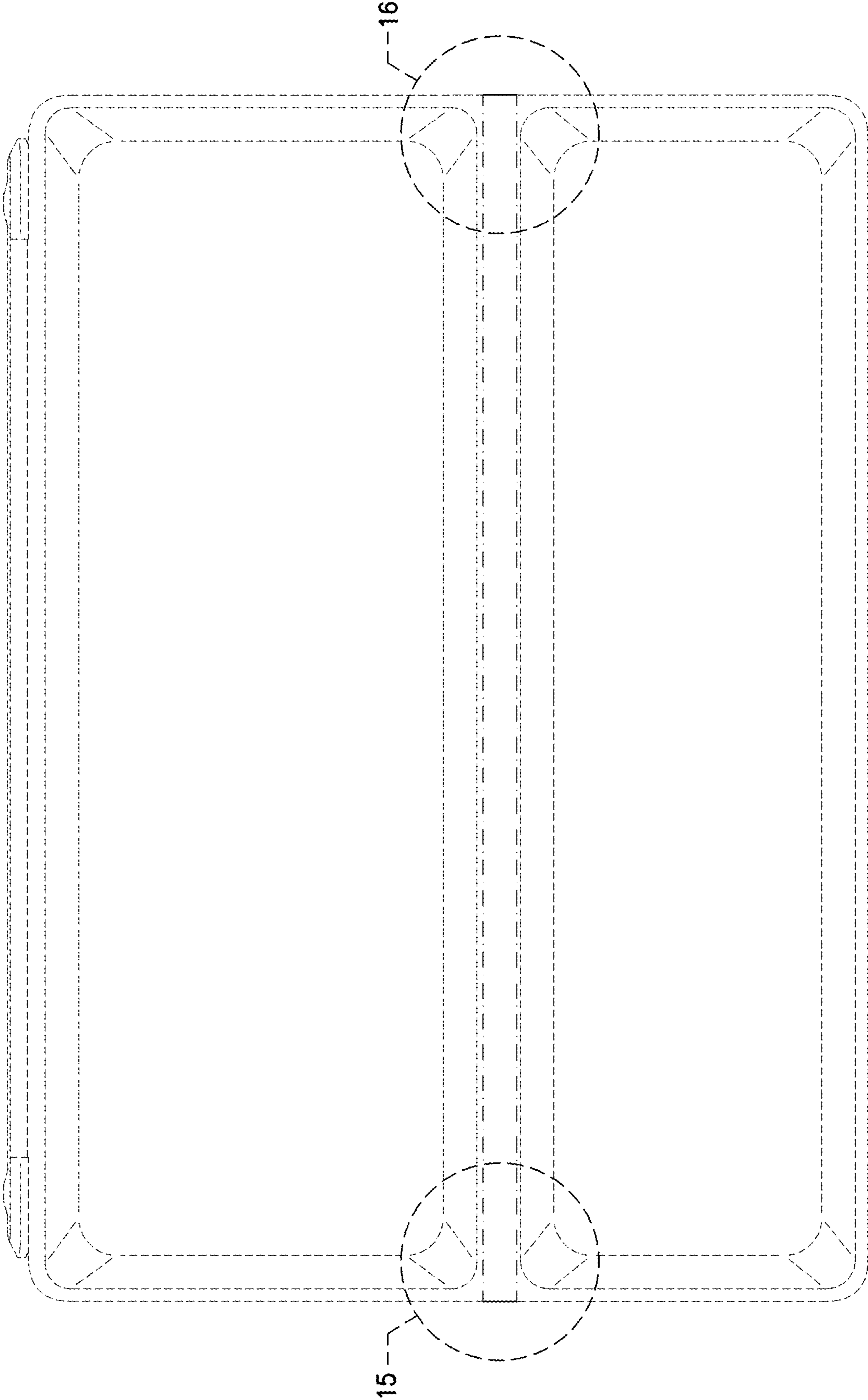


FIG. 6



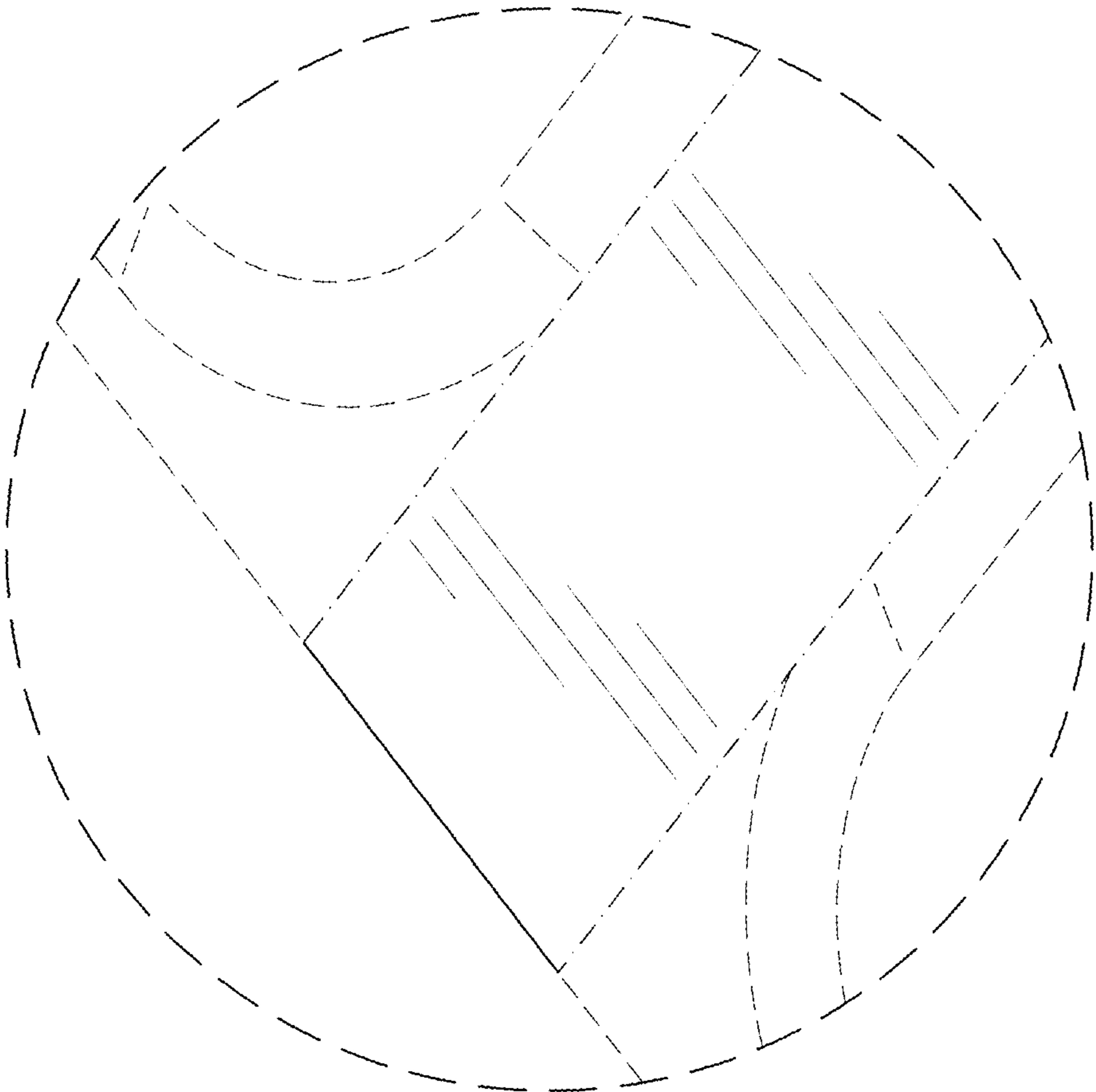


FIG. 7

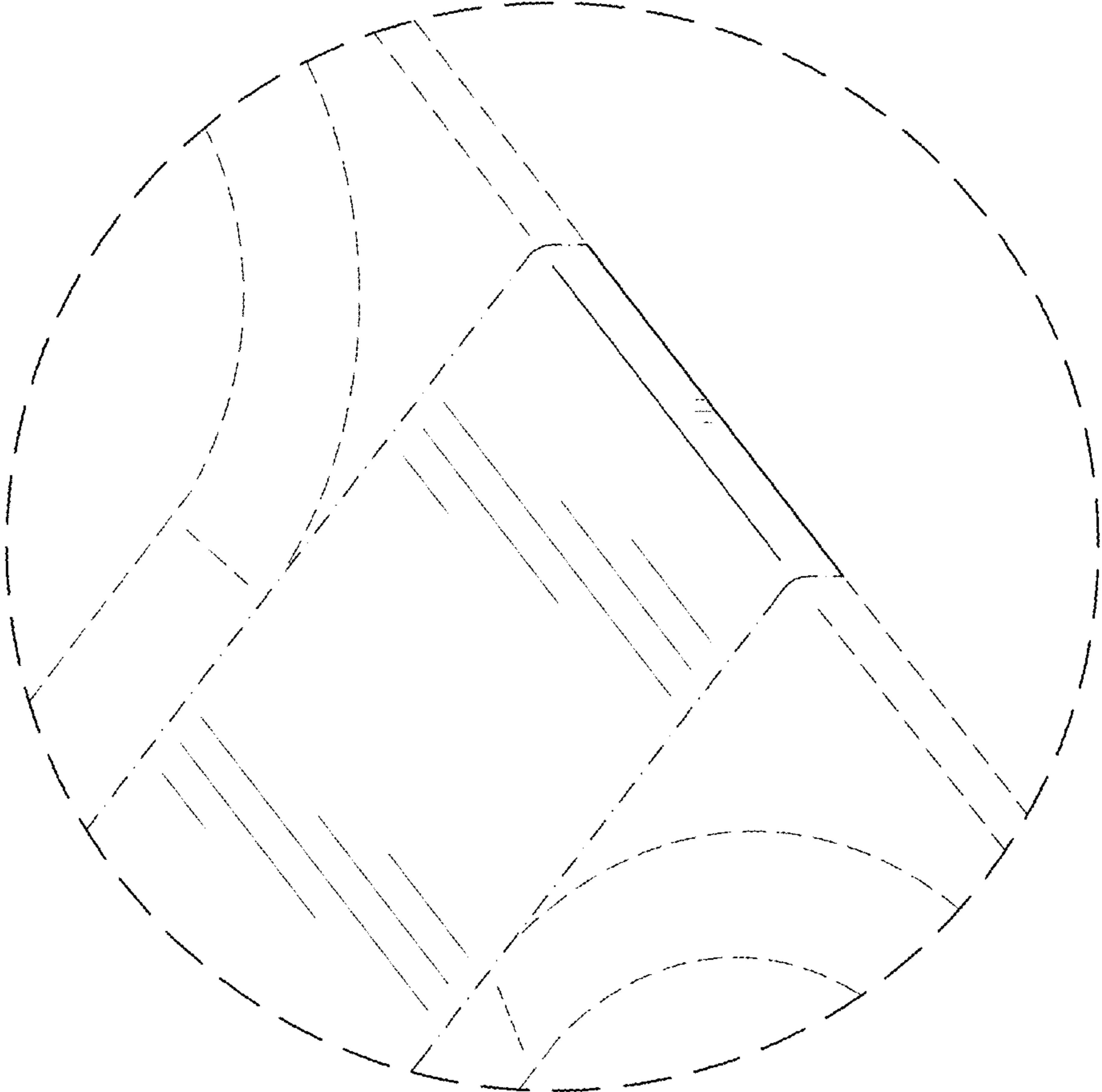


FIG. 8

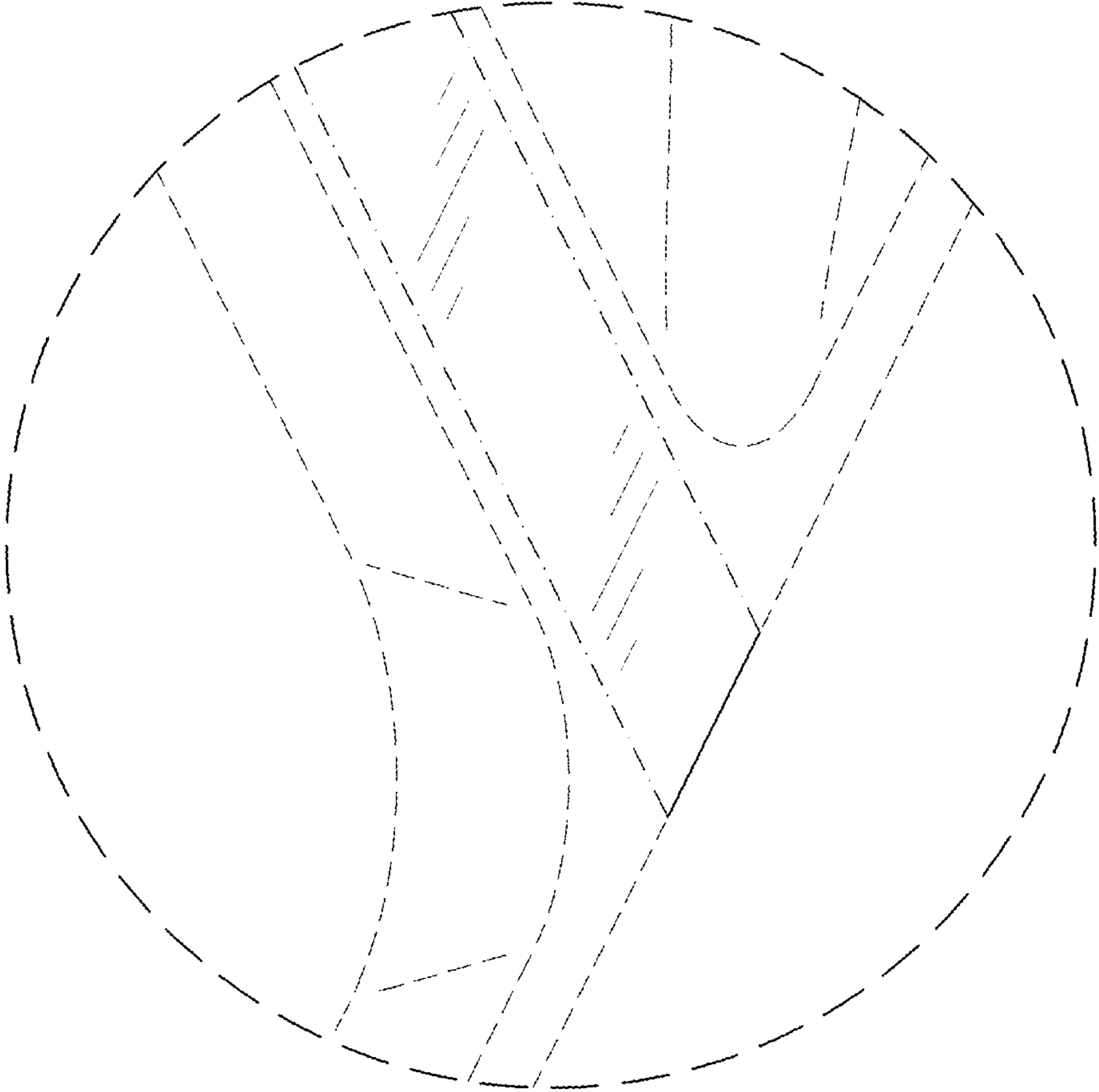


FIG. 9



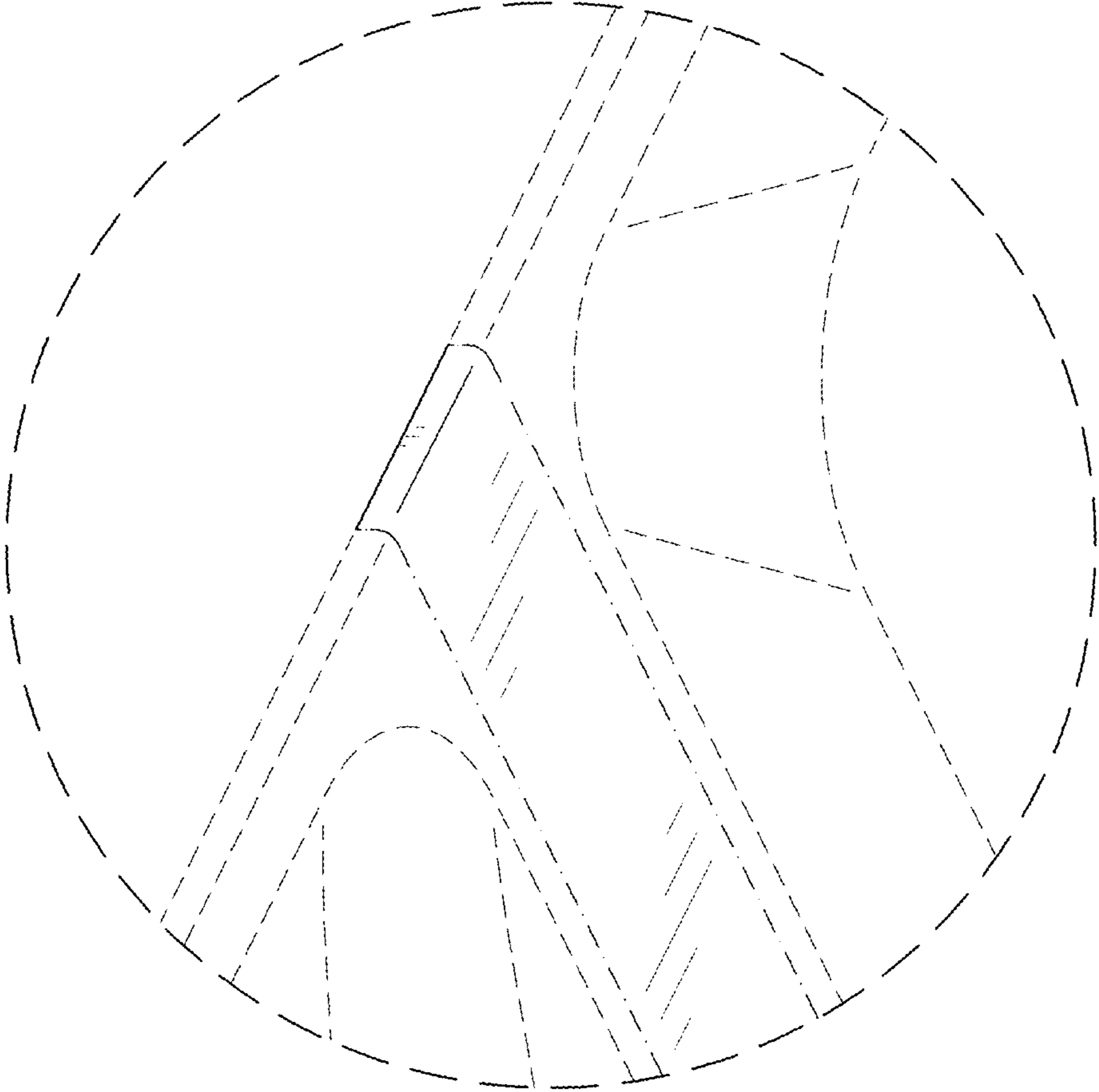


FIG. 10

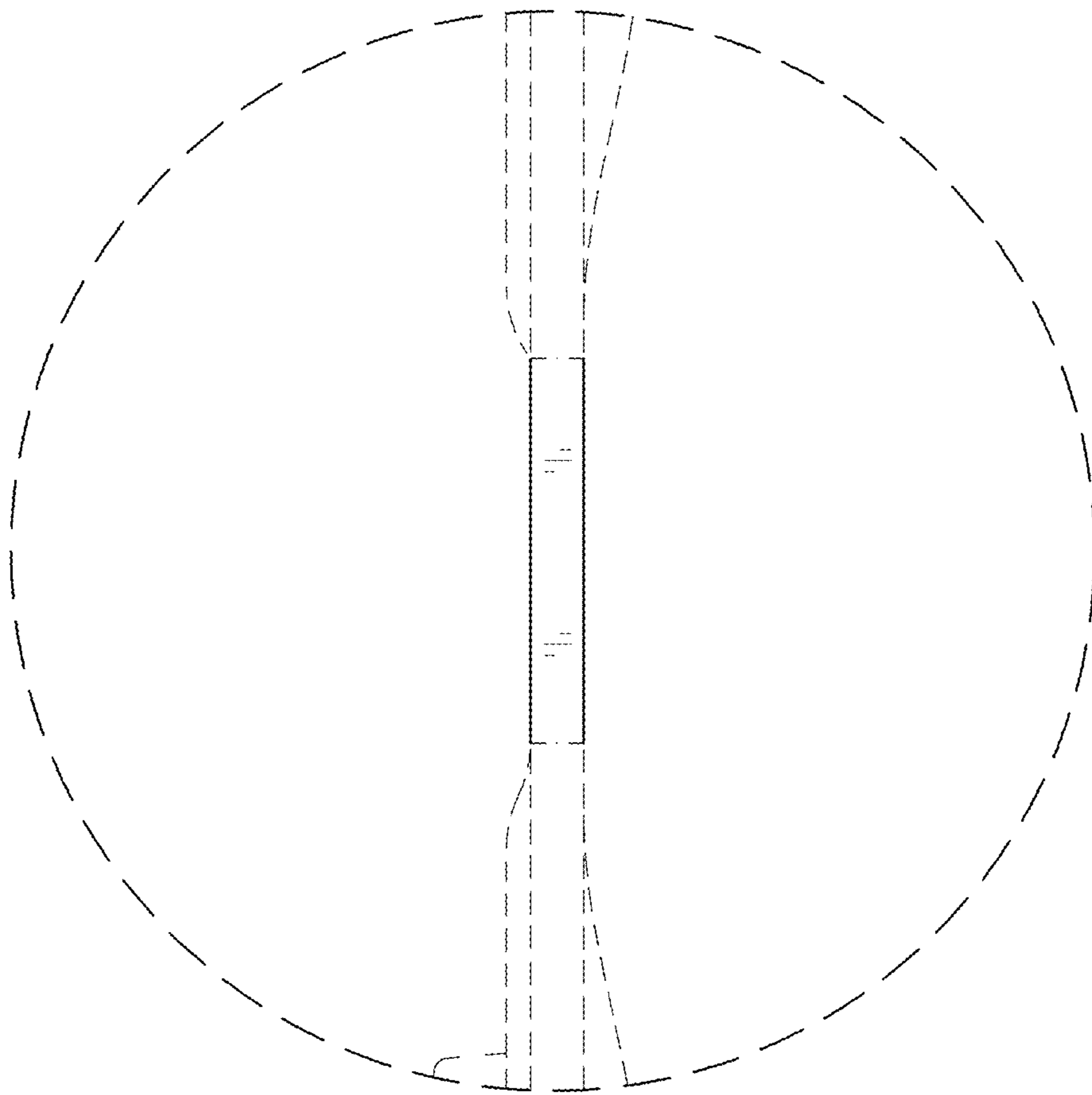


FIG. 11

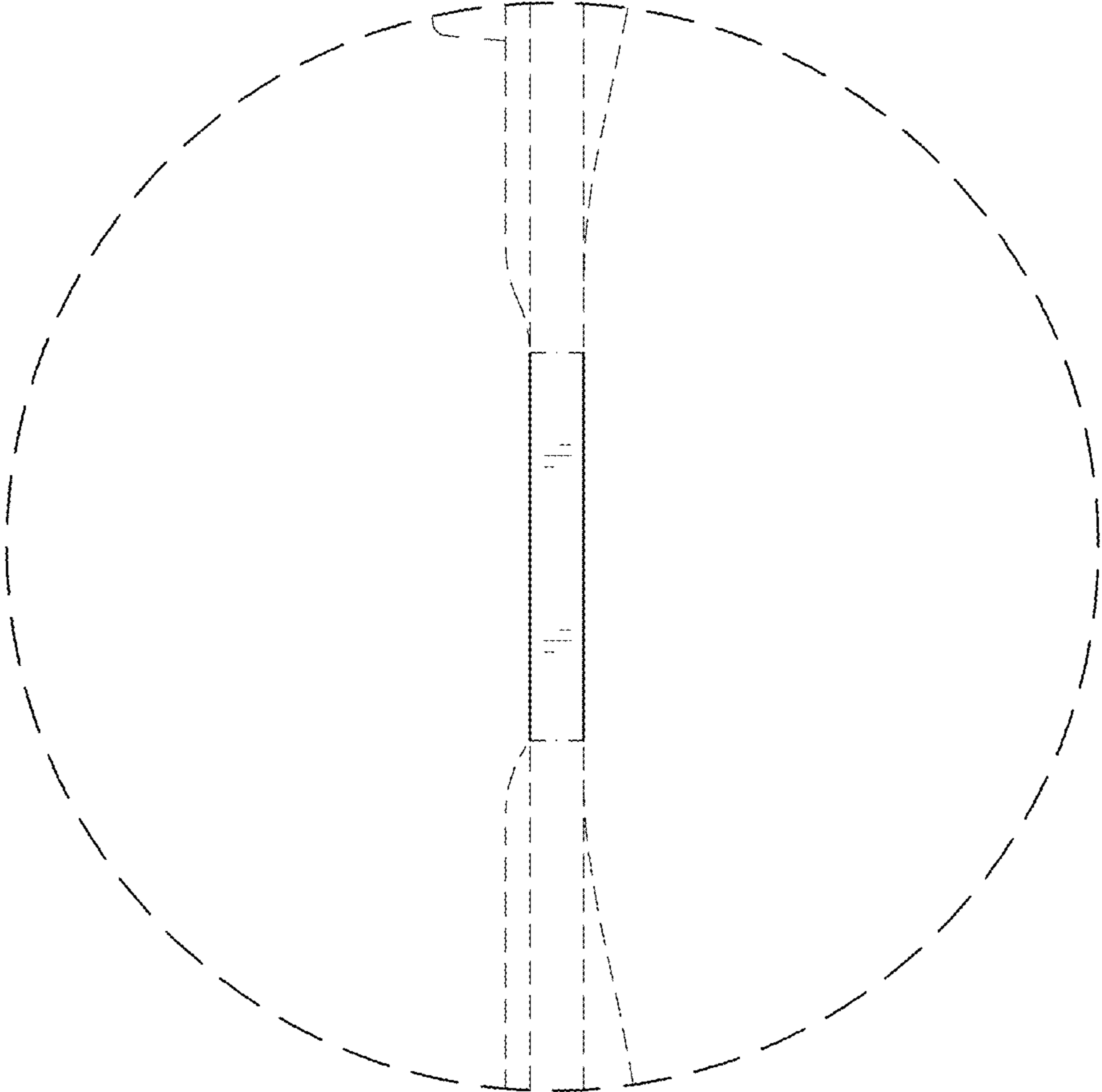


FIG. 12



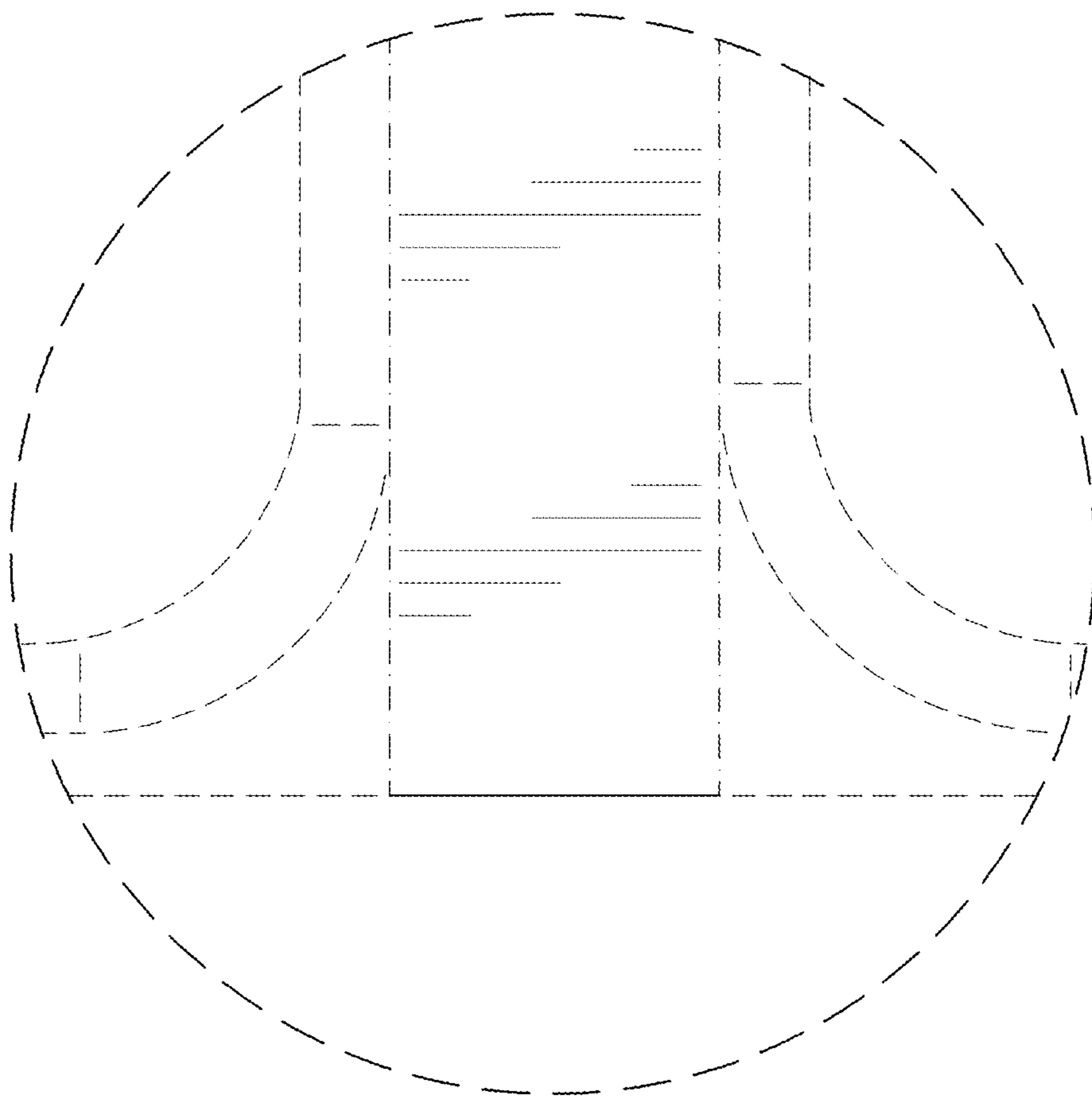


FIG. 13

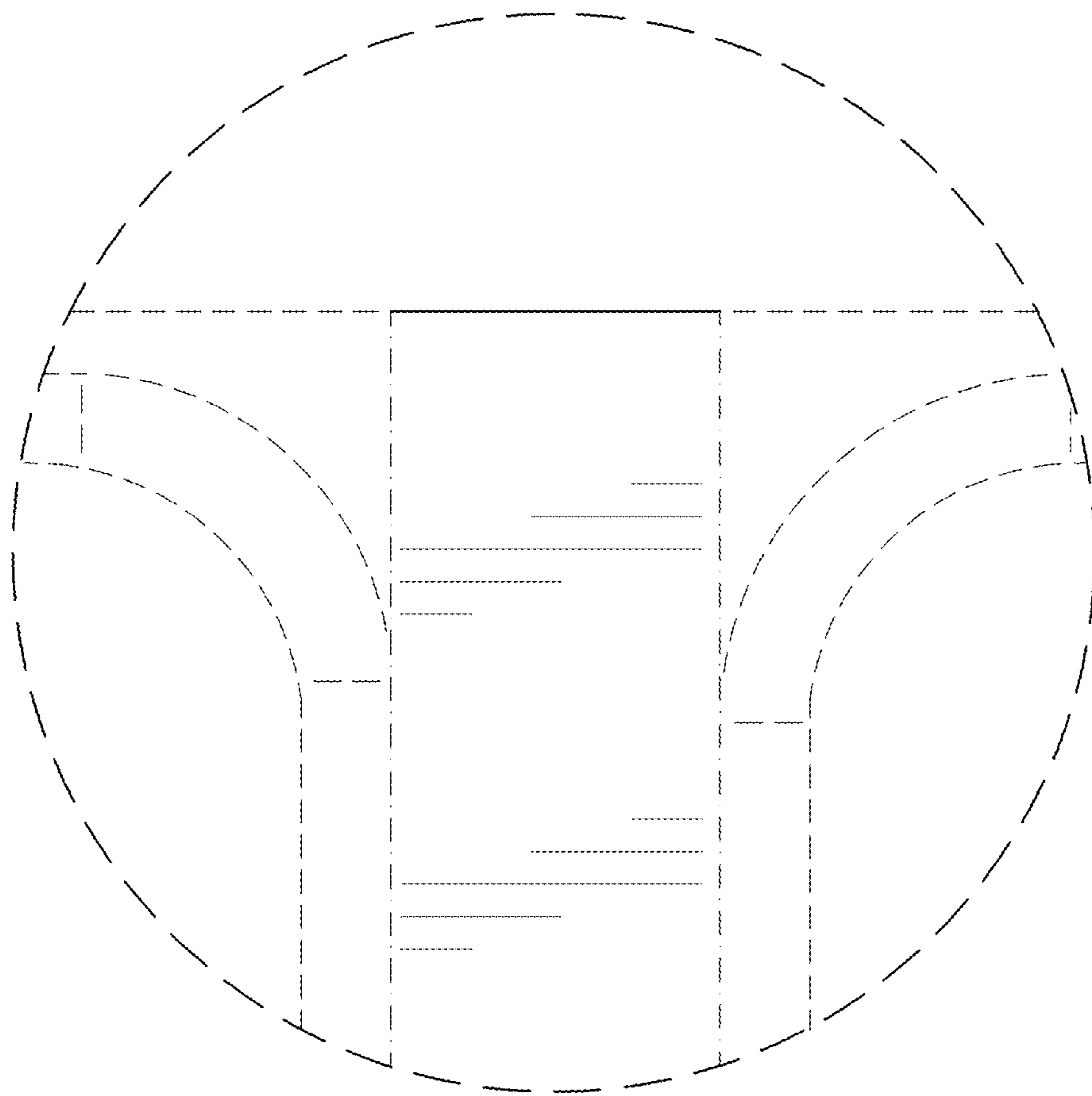


FIG. 14

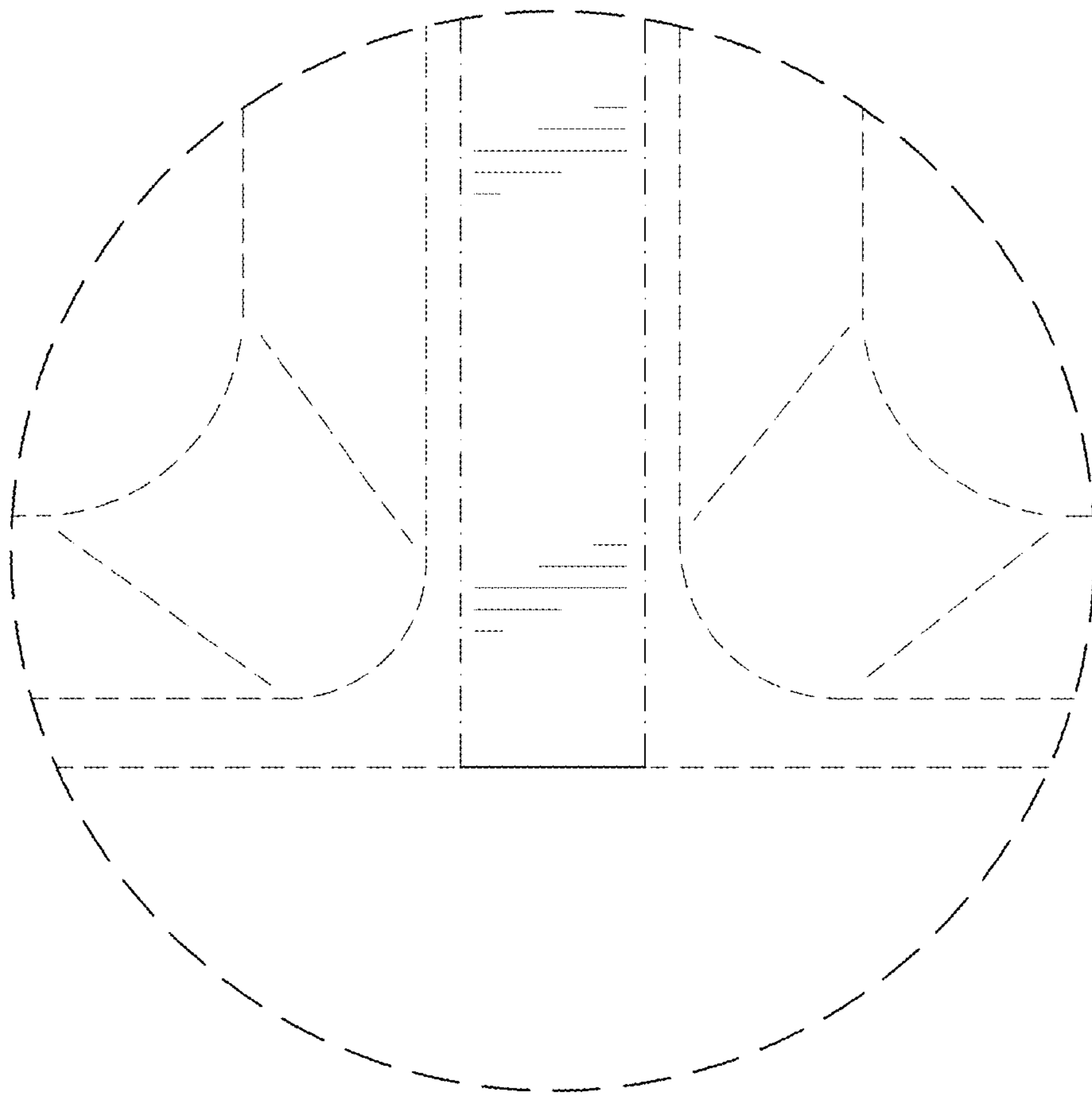


FIG. 15



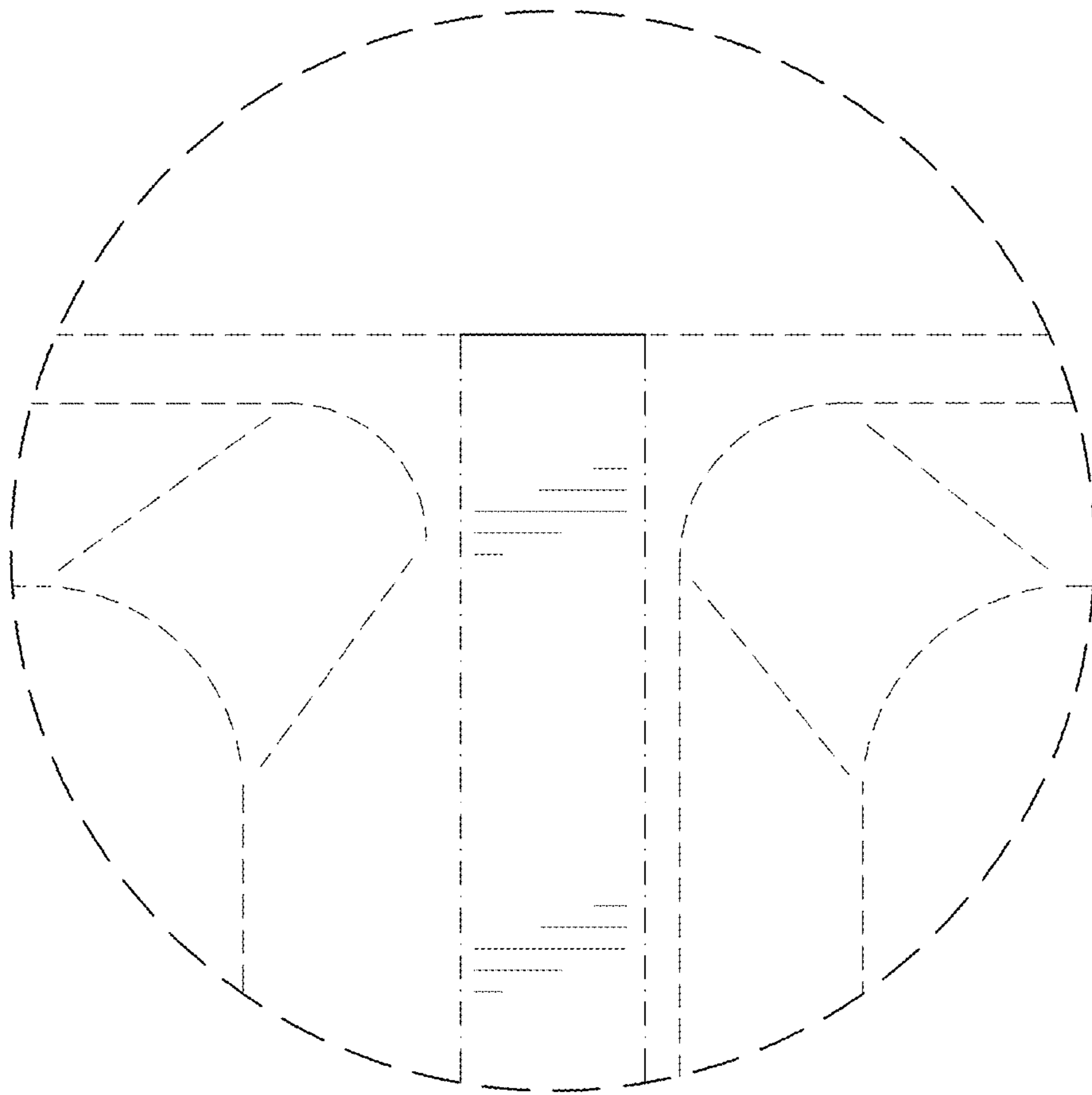


FIG. 16



FIG. 17

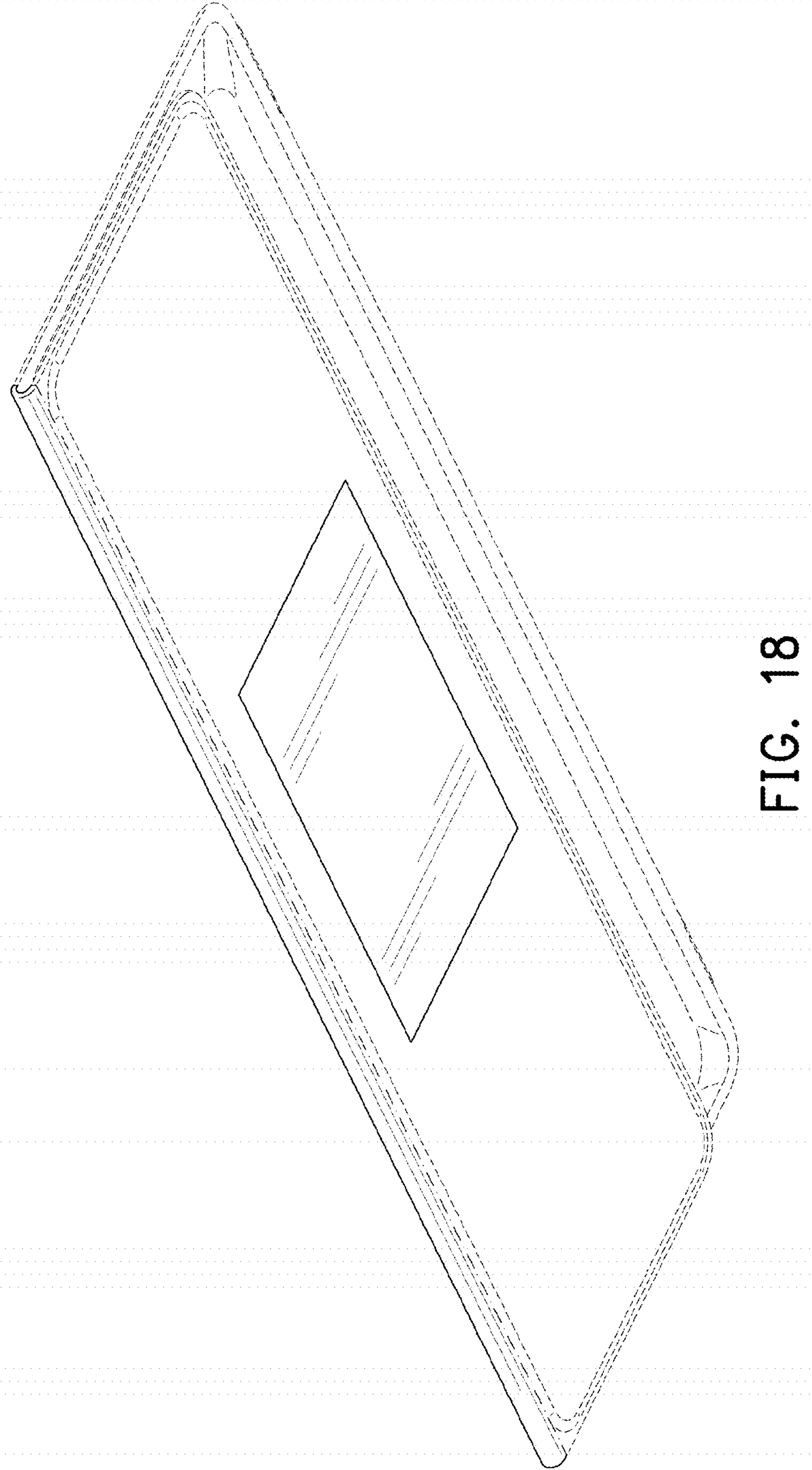


FIG. 18