



US00D863567S

(12) **United States Design Patent** (10) **Patent No.:** **US D863,567 S**
Sigurdsson et al. (45) **Date of Patent:** **** Oct. 15, 2019**

(54) **ORTHOPEDIC DEVICE**
(71) Applicant: **Ossur Iceland ehf**, Reykjavik (IS)
(72) Inventors: **Sindri Pall Sigurdsson**, Reykjavik (IS);
Bjorn Omarsson, Reykjavik (IS);
Marcel Jansen, Reykjavik (IS); **Liza A. Boon**, Reykjavik (IS)

4,870,956 A 10/1989 Fatool et al.
5,036,837 A 8/1991 Mitchell et al.
5,139,477 A 8/1992 Peters
5,277,697 A 1/1994 France et al.
5,334,135 A 8/1994 Grim et al.
5,385,538 A 1/1995 Mann

(Continued)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **OSSUR ICELAND EHF**, Reykjavik (IS)

CN 1354643 A 6/2002
CN 2604894 A1 3/2004

(Continued)

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

OTHER PUBLICATIONS

(21) Appl. No.: **29/627,400**

(22) Filed: **Nov. 27, 2017**

Product Information, "BORT AsymmetricPlus, No. 114900, Unit PCE", downloaded Mar. 31, 2014, 3 pages. Retrieved at <http://shop.bort.de/en/produkt-details.aspx?ProductNo=114900>.

(51) **LOC (12) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/190**

(Continued)

(58) **Field of Classification Search**
USPC D24/188-192; D29/121.1
CPC A61F 2005/0172; A61F 5/0109; A61F 5/0123; A61F 13/085; A61F 2002/30024; A61F 2002/5055; A61F 2002/5056; A61F 2002/7818; A61F 2002/785; A61F 2005/0137; A61F 2005/0169

Primary Examiner — Jennifer L Watkins

(74) *Attorney, Agent, or Firm* — Workman Nydegger

See application file for complete search history.

(57) **CLAIM**

The ornamental design for an orthopedic device, as shown and described.

(56) **References Cited**

DESCRIPTION

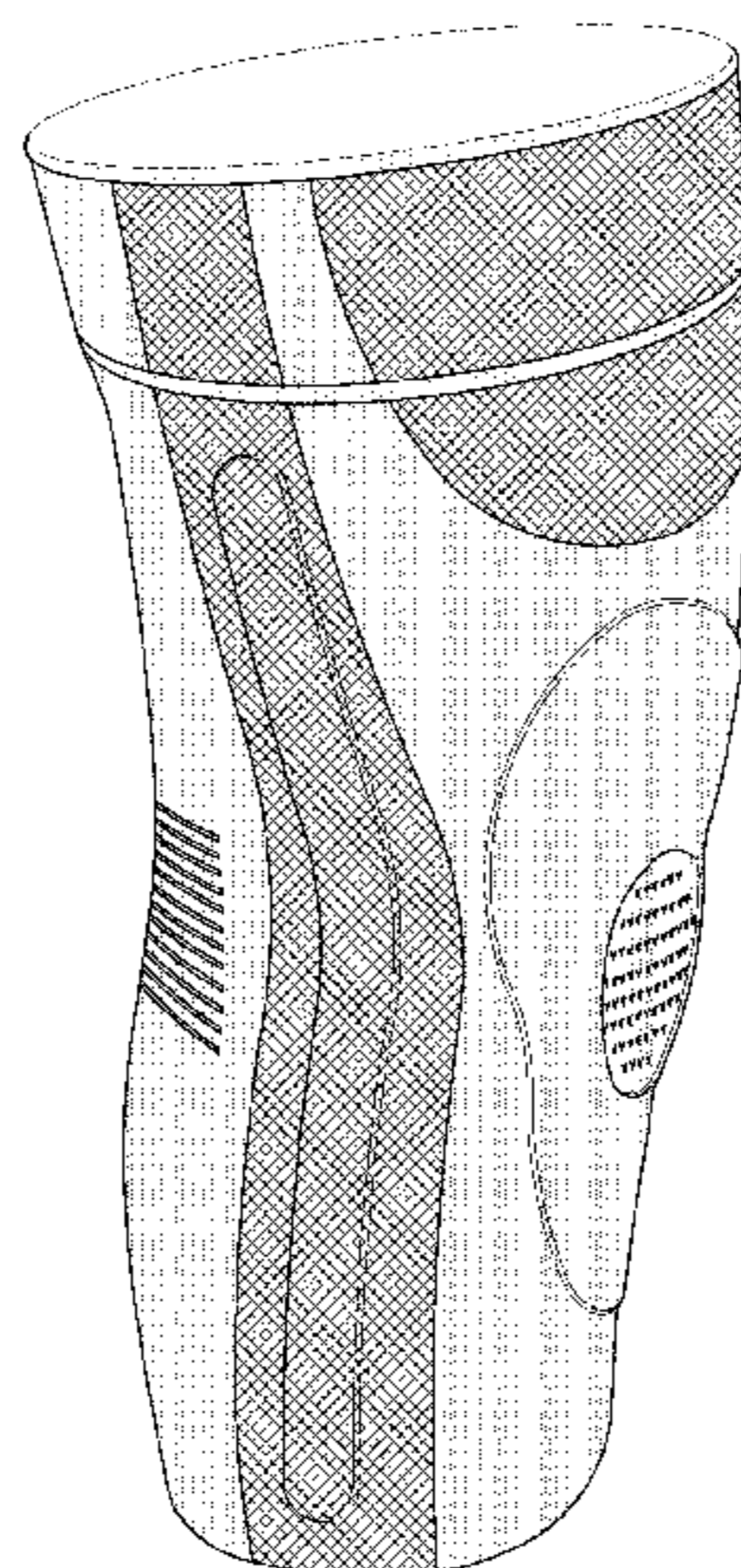
U.S. PATENT DOCUMENTS

1,529,928 A 3/1925 Schuster
1,965,314 A 7/1934 Henderson
2,186,572 A 1/1940 Boepple
3,306,081 A 2/1967 Miles et al.
3,975,929 A 8/1976 Fregeolle
4,176,665 A 12/1979 Terpening
4,201,203 A 5/1980 Applegate
4,379,463 A 4/1983 Meier et al.
4,466,428 A * 8/1984 McCoy A61F 13/062
602/26
4,492,227 A 1/1985 Senn et al.

This application incorporates by reference U.S. patent application Ser. No. 15/672,593, filed on Aug. 9, 2017.

FIG. 1 is a perspective view of an orthopedic device;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a first side elevational view thereof;
FIG. 5 is a second side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines in the various views depict portions of an orthopedic device and form no part of the claim.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,520,622 A * 5/1996 Bastyr A61F 5/012
602/13

5,538,488 A 7/1996 Villepigue

5,695,452 A 12/1997 Grim et al.

5,711,029 A 1/1998 Visco et al.

5,728,057 A 3/1998 Ouellette et al.

5,728,058 A 3/1998 Ouellette et al.

5,730,710 A 3/1998 Eichhorn et al.

5,769,809 A 6/1998 Witzel

5,865,776 A 2/1999 Springs

6,059,834 A 5/2000 Springs

6,149,616 A 11/2000 Szlema et al.

6,371,933 B1 4/2002 Gardon-Mollard

6,412,311 B1 7/2002 Nakai

6,430,970 B1 8/2002 Gardon-Mollard et al.

6,523,729 B1 2/2003 Gardon-Mollard

6,592,539 B1 7/2003 Einarsson et al.

6,634,190 B2 10/2003 Didier-Laurent

6,838,402 B2 1/2005 Harris et al.

7,017,376 B2 3/2006 Meckley et al.

7,025,738 B2 4/2006 Hall

7,076,973 B1 7/2006 Chesebro, Jr. et al.

7,083,586 B2 * 8/2006 Simmons A61F 5/0109
602/23

7,198,610 B2 4/2007 Ingimundarson

7,273,464 B2 9/2007 Reinhardt

D572,827 S * 7/2008 Reinhardt D24/190

D574,084 S 7/2008 Reinhardt

7,473,236 B1 1/2009 Mathewson

7,517,331 B2 4/2009 Reinhardt et al.

7,625,350 B2 12/2009 Hunter et al.

7,749,181 B2 7/2010 Simmons et al.

7,819,830 B2 10/2010 Sindel et al.

D630,333 S * 1/2011 Chiang D24/190

7,871,388 B2 1/2011 Brown

D635,266 S * 3/2011 Chiang D24/190

D635,267 S * 3/2011 Chiang D24/190

7,896,827 B2 3/2011 Ingimundarson et al.

7,943,219 B2 5/2011 Krueger

7,959,590 B2 6/2011 Scott

8,025,632 B2 9/2011 Einarsson

8,043,242 B2 10/2011 McSpadden et al.

8,048,014 B2 11/2011 Brown

8,066,654 B2 11/2011 Sandifer et al.

D654,182 S * 2/2012 Chiang D24/190

8,118,765 B2 2/2012 Magnusson

D665,950 S * 8/2012 Rokitta D29/121.1

8,328,747 B2 12/2012 Matsunaga

9,113,998 B2 * 8/2015 Romo A61F 5/0125

9,173,763 B2 11/2015 Gilmer et al.

9,393,147 B2 7/2016 Scheuermann et al.

9,545,328 B2 * 1/2017 Hess A61F 5/30

9,744,063 B2 8/2017 Huffa et al.

2003/0114782 A1 6/2003 Chiang et al.

2003/0216676 A1 11/2003 Gardon-Mollard

2004/0153017 A1 8/2004 Simmons et al.

2005/0020951 A1 1/2005 Gaylord et al.

2006/0151550 A1 7/2006 Chevalier

2006/0246802 A1 11/2006 Hughes et al.

2007/0060853 A1 3/2007 Sindel et al.

2007/0197944 A1 8/2007 Bruce et al.

2008/0139982 A1 6/2008 Magnusson

2009/0156973 A1 6/2009 Scott

2010/0036303 A1 2/2010 Bauerfeind et al.

2011/0172582 A1 7/2011 Darian

2012/0165713 A1 6/2012 Forbes et al.

2012/0277649 A1 11/2012 Matsuo et al.

2013/0022794 A1 1/2013 Ng et al.

2013/0053743 A1 2/2013 Reinhardt et al.

2013/0053744 A1 2/2013 Convert et al.

2013/0110023 A1 5/2013 Scheuermann et al.

2013/0211304 A1 8/2013 Romo et al.

2013/0251962 A1 9/2013 Reid, Jr.

2013/0333706 A1 12/2013 Bauerfeind

2014/0303534 A1 10/2014 Huffa et al.

2015/0032041 A1 1/2015 Ingimundarson et al.

2015/0038891 A1 2/2015 Lipton

2015/0121657 A1 5/2015 Ingimundarson et al.

2015/0272767 A1 10/2015 Field

2015/0290014 A1 10/2015 Anglada et al.

2016/0081835 A1 3/2016 Grange et al.

2017/0020707 A1 1/2017 Duport et al.

2017/0027719 A1 2/2017 Bache et al.

2017/0119568 A1 5/2017 Chiang et al.

2018/0042754 A1 2/2018 Ingimundarson et al.

2018/0078398 A1 3/2018 Ingimundarson et al.

2019/0037937 A1 2/2019 Ito et al.

FOREIGN PATENT DOCUMENTS

DE 102010019405 A1 8/2011

EP 2283795 A1 2/2011

EP 2536370 B1 1/2015

FR 2775431 A1 9/1999

FR 2807644 A1 10/2001

FR 2879405 A1 6/2006

WO 9105498 A1 5/1991

WO 9944548 A1 9/1999

WO 03096851 A1 11/2003

WO 2008006142 A1 1/2008

WO 2012003992 A1 1/2012

WO 2017135473 A1 8/2017

WO 2018031618 A1 2/2018

OTHER PUBLICATIONS

Product Information, "BORT AsymmetricPlus, No. 114700, Unit PCE", downloaded Mar. 31, 2014, 3 pages. Retrieved at <http://shop.bort.de/en/produkt-details.aspx?ProductNo=114700>.

Brochure, "BORT Asymmetric Plus, Die Mehrwert-Orthese bei Patella-Luxation", downloaded Aug. 2012. 16 pages. Retrieved at <http://www.bort.com>.

Catalog, "Bracing and Supports Catalog," Ottobock, 2015, pp. 1-100.

Catalog, "Continuum of Care for Orthopedic Clinics," BSNmedical, 2016, pp. 1-48.

Catalog, "Product Guide," Mueller Sports Medicine, 2016, pp. 1-92.

Catalog, "Aircast Procure Exos Product Catalog," DJO Global, 2014, pp. 1-144.

Brochure, "Action Reliever Active Pain Relief for Knee Osteoarthritis," Thuasne, 2017, 2 Pages.

Catalog, "Catalogue 2017," Bort Medical, 2017, pp. 1-196.

Catalog, "2017 International Product Catalog," BREG, 2017, pp. 1-100.

Catalog, "International Catalogue," Gibaud, Jun. 2014, pp. 1-92.

Product Information, "GenuForce," DJO Global, retrieved from www.djoglobal.com/products/donjoy/genuforce, downloaded Nov. 9, 2017, 3 Pages.

Product Information, "Genumedi & Genumedi Extra Wide," Medi, retrieved from <https://mediusa.com/portfolio-item/genumedi/>, downloaded Nov. 9, 2017, 5 Pages.

Product Information, "Genumedi pro," Medi, retrieved from <http://mediusa.com/portfolio-item/genumedi-pro/>, downloaded Nov. 9, 2017, 5 Pages.

Product Information, "Genumedi PT," Medi, retrieved from <http://mediusa.com/portfolio-item/genumedi-pt/>, downloaded Nov. 9, 2017, 5 Pages.

Product Information, "GenuTrain P3," Bauerfeind, downloaded Nov. 9, 2017, 3 Pages.

Product Information, "Lumbamed Basic," Medi, retrieved from <http://mediusa.com/portfolio-item/lumbamed-basic/>, downloaded Nov. 9, 2017, 5 Pages.

Product Information, "Lumbamed Plus," Medi, retrieved from <http://mediusa.com/portfolio-item/lumbamed-plus/>, downloaded Nov. 9, 2017, 7 Pages.

Product Information, "LumboTrain," Bauerfeind, downloaded Nov. 9, 2017, 3 Pages.

Product Information, "LumboTrain Lady," Bauerfeind, downloaded Nov. 9, 2017, 3 Pages.

(56)

References Cited

OTHER PUBLICATIONS

Product Information, "MalleoTrain," Bauerfeind, downloaded Nov. 9, 2017, 3 Pages.

Catalog, "OA & Injury Solutions Catalogue," OSSUR, 2017, pp. 1-121.

Catalog, "Product Catalog Supports and Orthoses," Bauerfeind, 2015, pp. 1-72.

Catalog, "Push for Freedom," Push Braces, pp. 1-28.

Product Information, "Sports Ankle Support Dynamic," Bauerfeind, downloaded Nov. 9, 2017, 2 Pages.

Product Information, "Sports Back Support," Bauerfeind, downloaded Nov. 9, 2017, 3 Pages.

Product Information, "Sports Elbow Support," Bauerfeind, downloaded Nov. 9, 2017, 4 Pages.

Product Information, "Sports Knee Support," Bauerfeind, downloaded Nov. 9, 2017, 3 Pages.

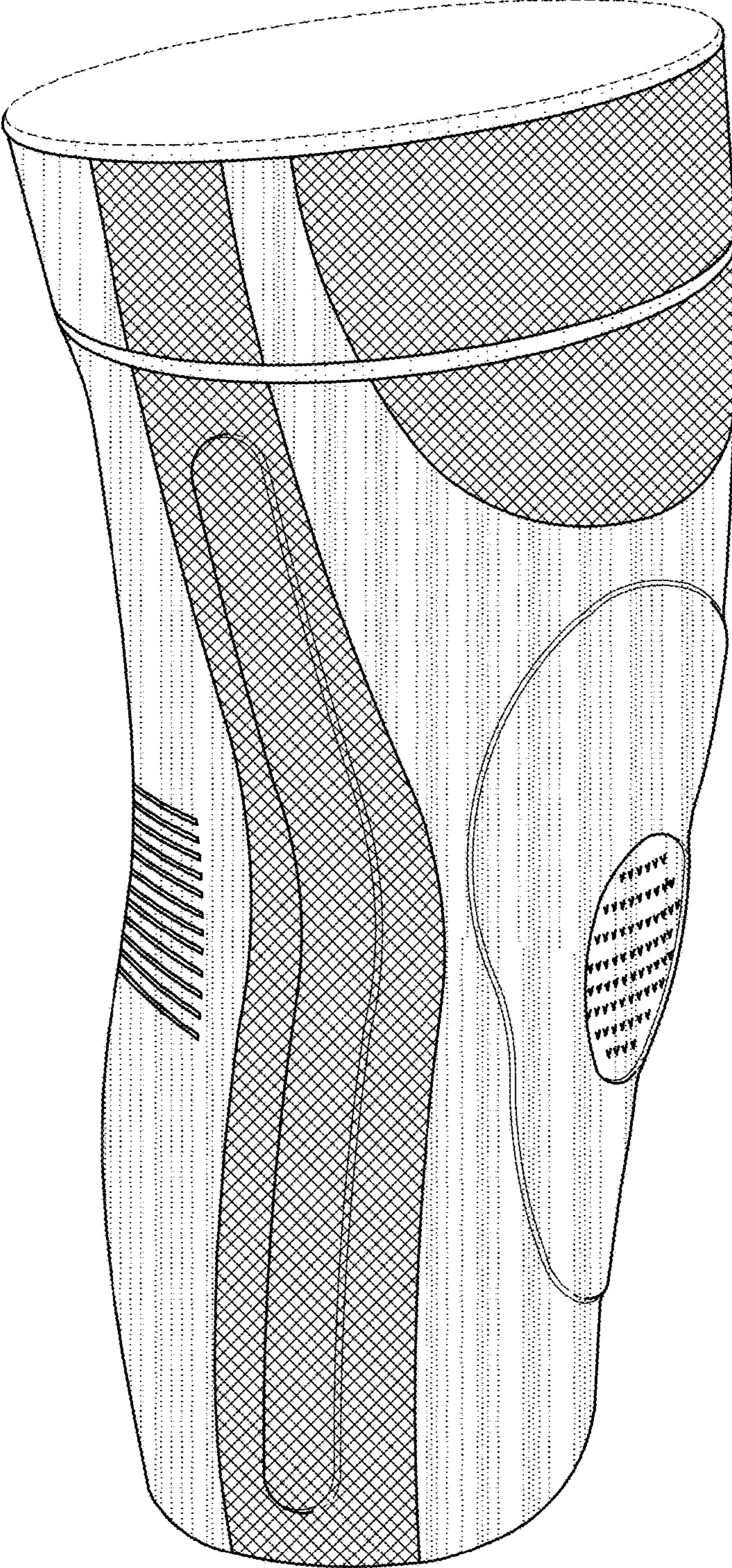
Catalog, "Orthopedic Products 2016," Thuasne, 2016, pp. 1-32.

International Search Report from PCT Application No. PCT/US2017/046028, dated Nov. 7, 2017.

International Search Report and Written Opinion from PCT Application No. PCT/US2018/062420, dated Mar. 14, 2019.

* cited by examiner

FIG. 1



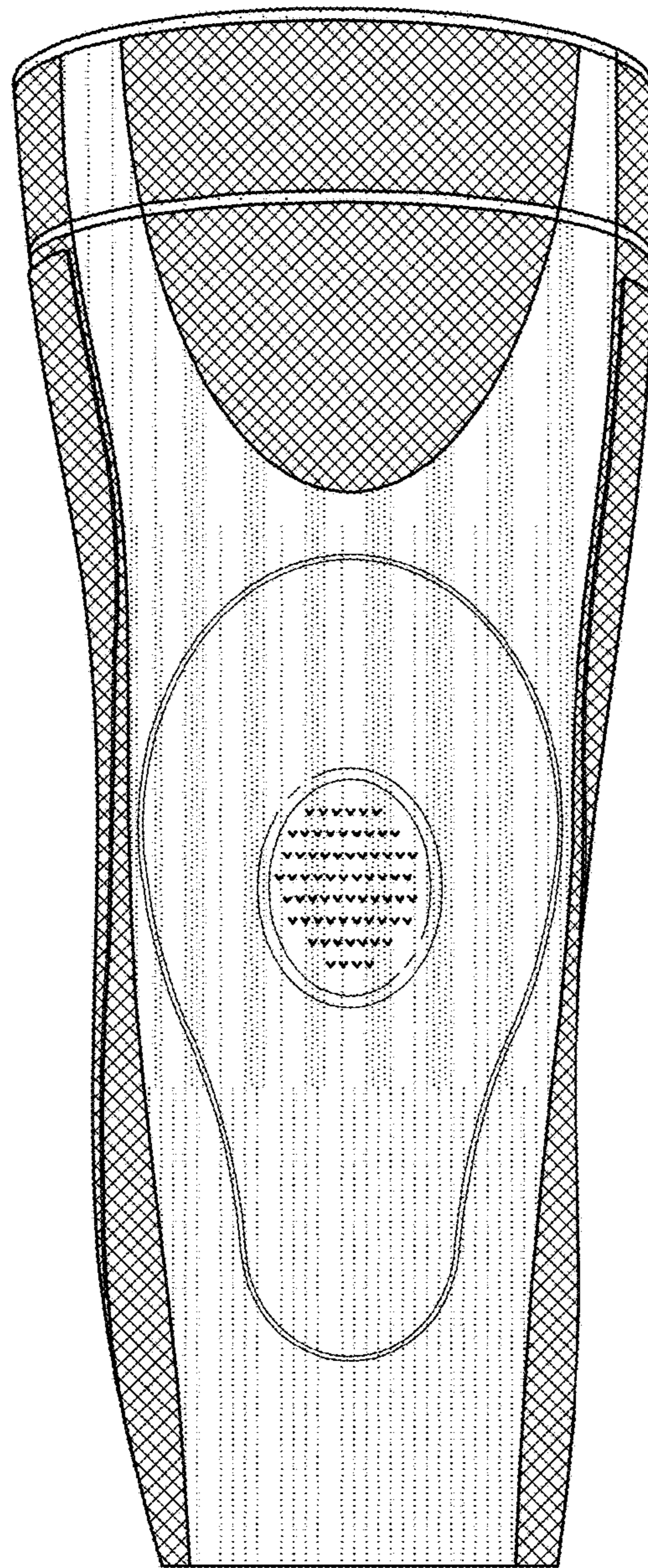


FIG. 2

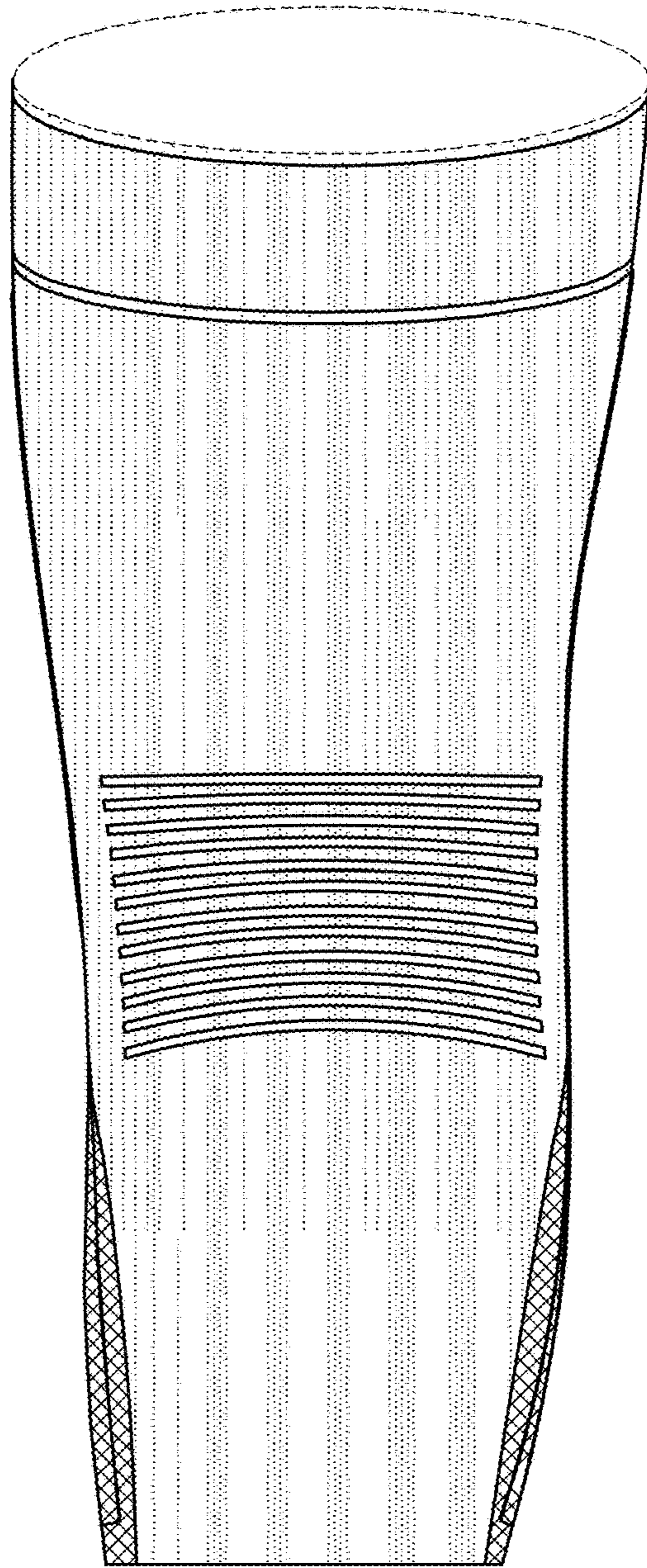


FIG. 3

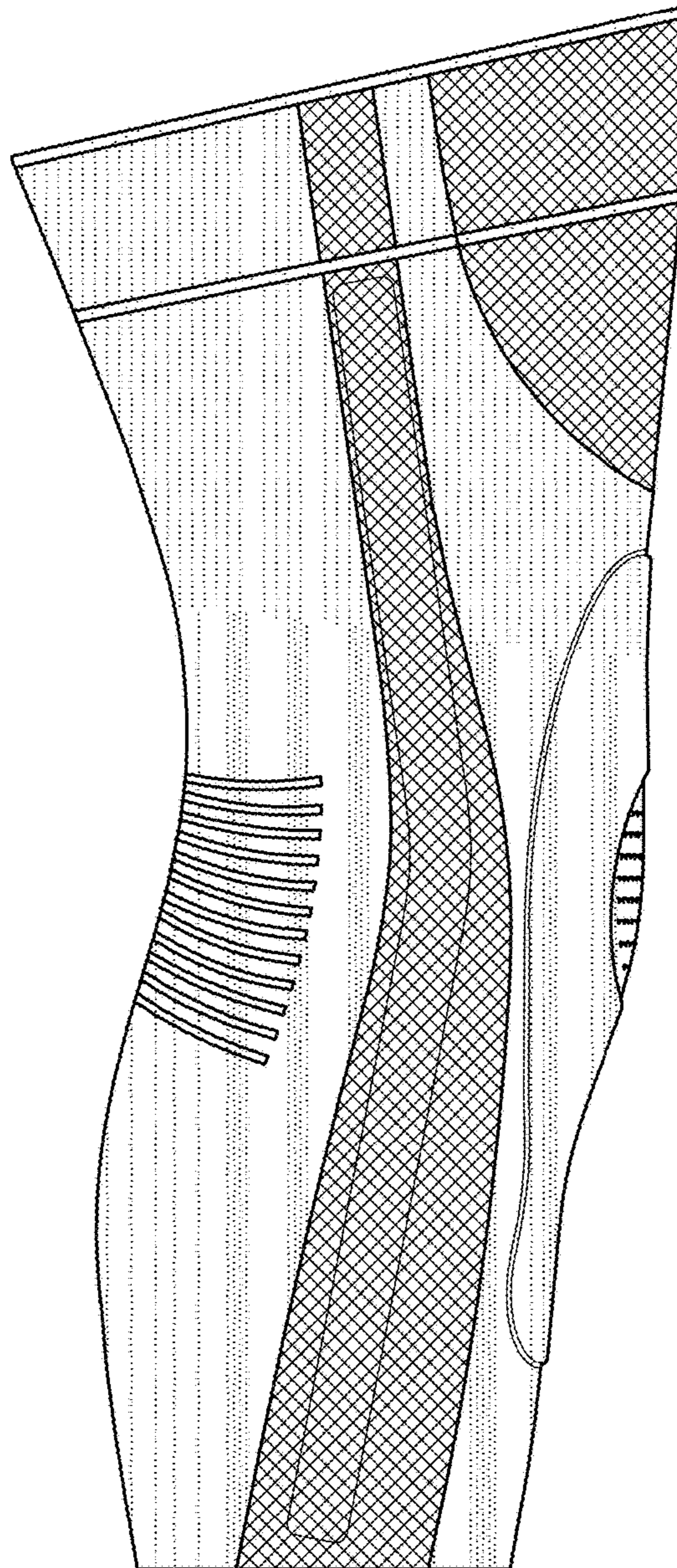


FIG. 4

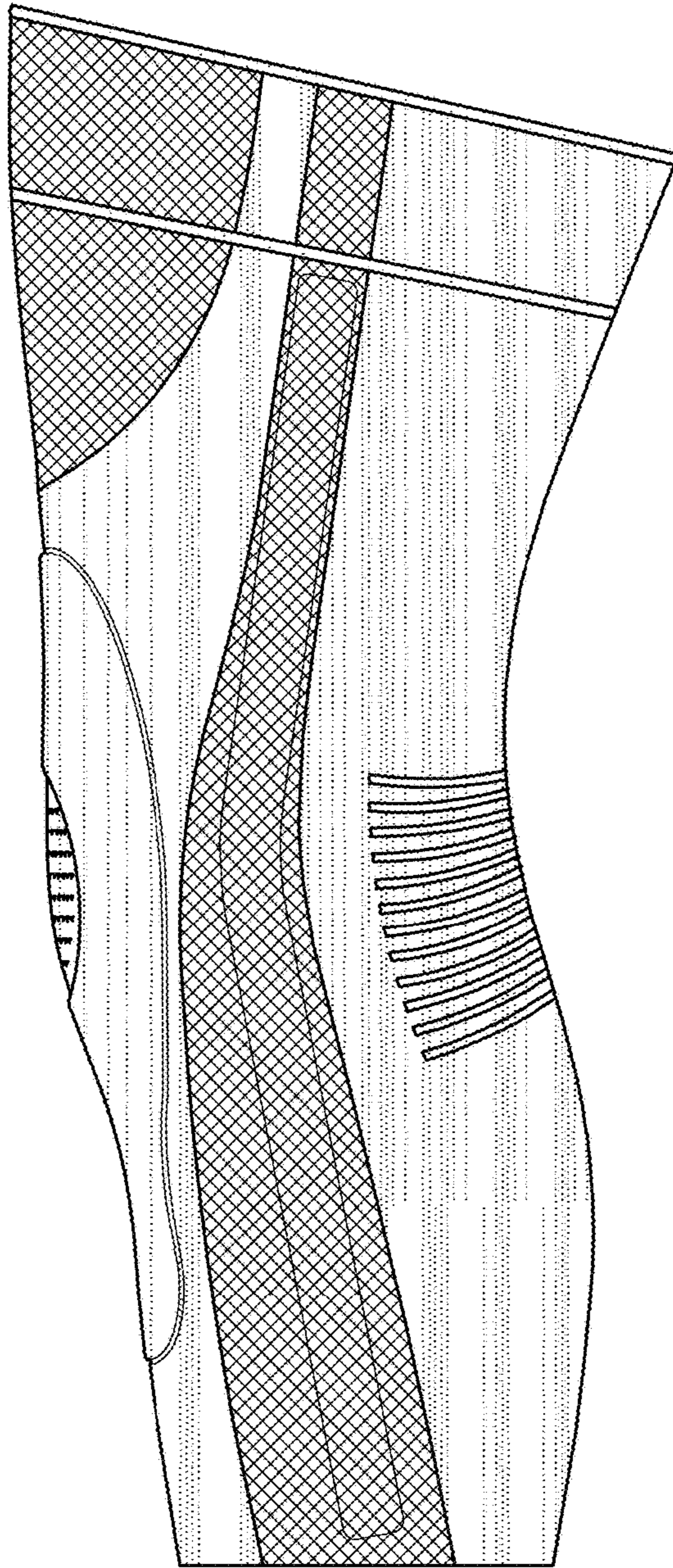


FIG. 5

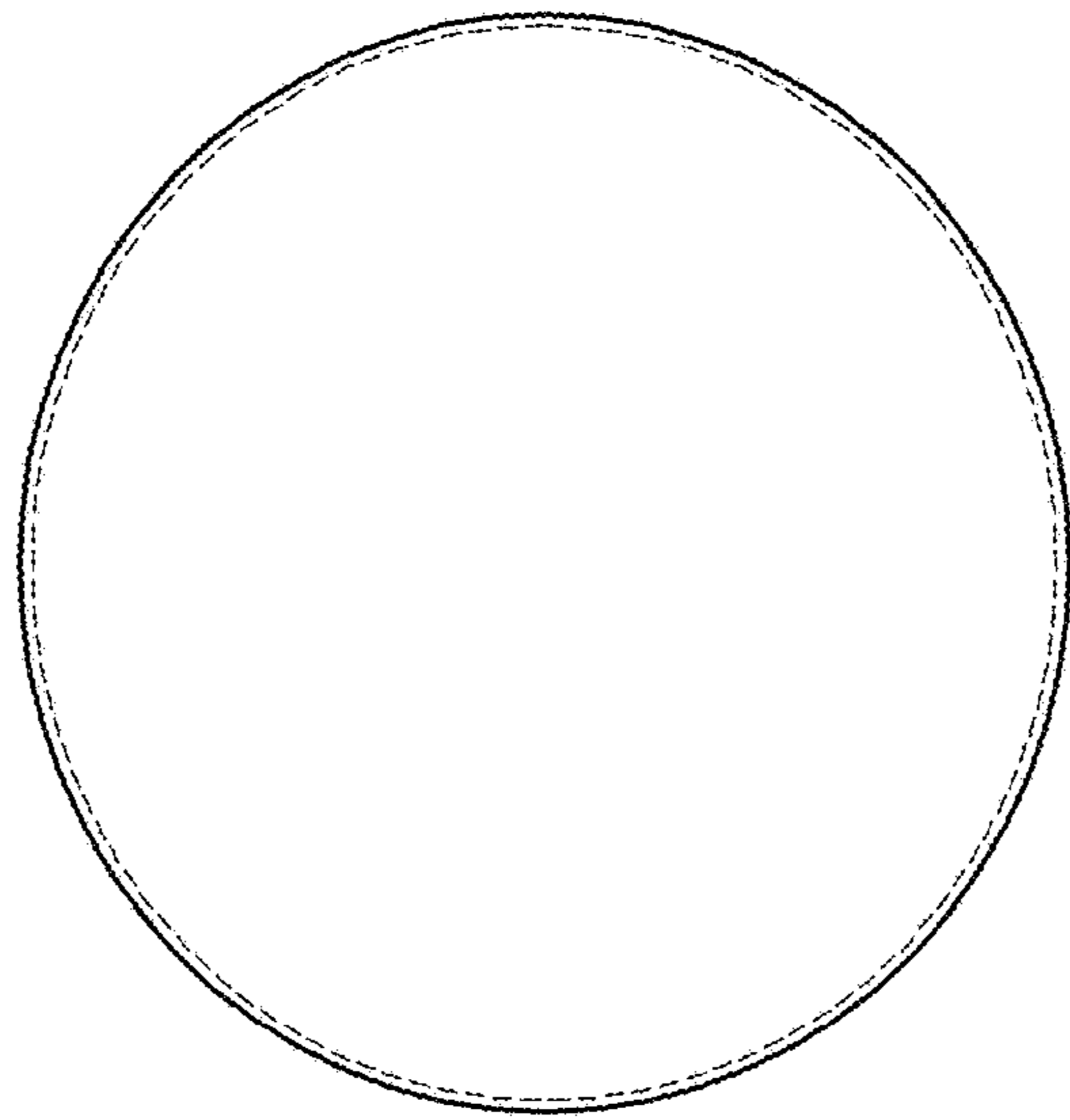


FIG. 6

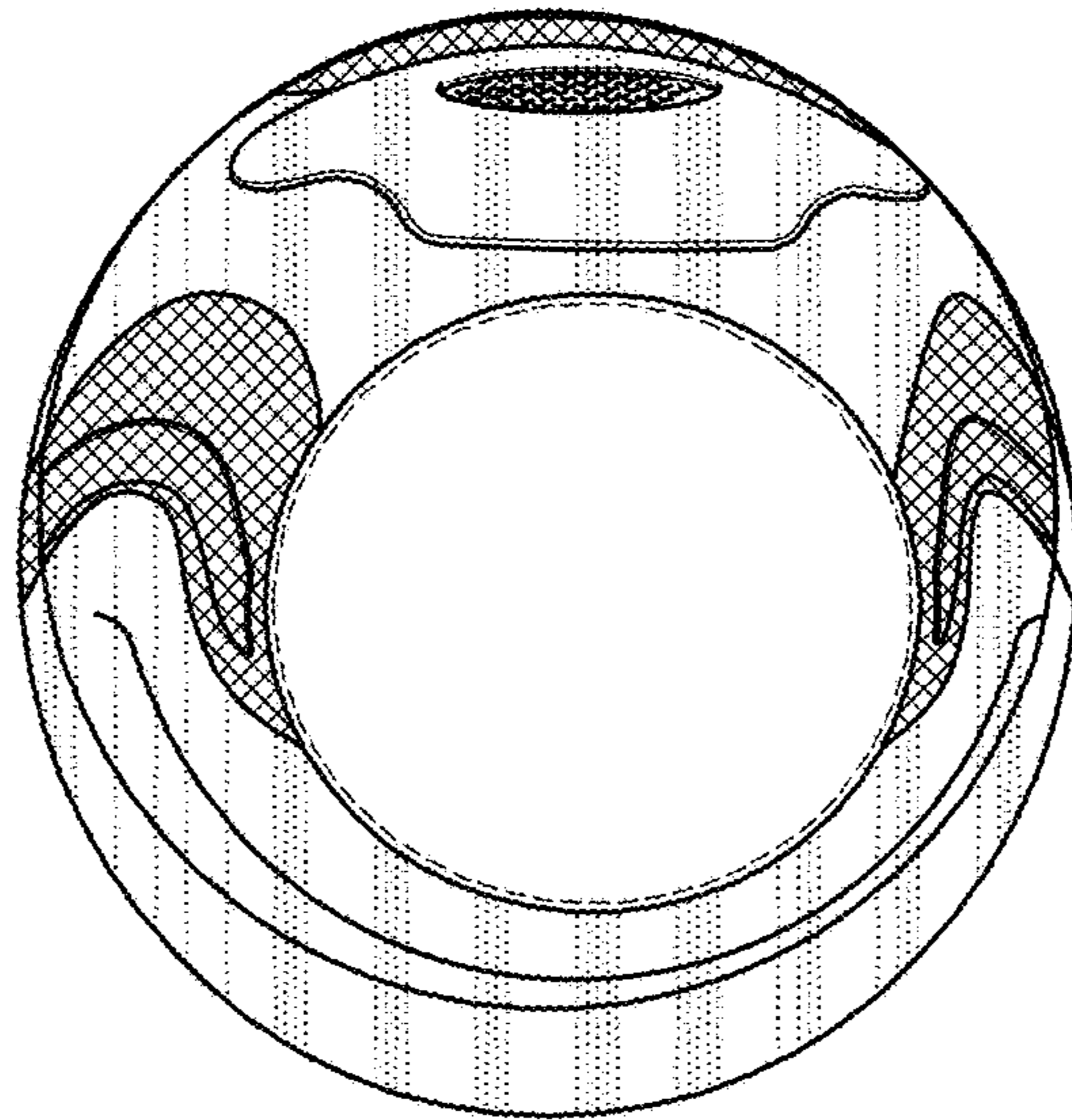


FIG. 7