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(54) **BANGLE ACCESSORY**

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See application file for complete search history.

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(56) **References Cited**

U.S. PATENT DOCUMENTS

128,447	A *	6/1872	Yeiser	A44B 11/266 2/271
134,735	A *	1/1873	Cornell	A44C 5/0092 63/7
D44,545	S *	8/1913	Robbins	D11/36
1,120,961	A	12/1914	Morse	
1,135,409	A	4/1915	Simmons	
1,403,600	A	1/1922	Grand et al.	
1,621,325	A	3/1927	Kraemer	
1,709,179	A	4/1929	Lederer	
D82,186	S	9/1930	Speidel	
2,106,540	A	1/1938	Smith	
2,211,698	A	8/1940	Kreisler et al.	
D141,753	S	7/1945	Du Bois	
2,650,398	A	9/1953	Bangs	
2,871,592	A	2/1959	Polzin	
2,901,806	A	9/1959	Henshel	
2,986,794	A	6/1961	Boots	
3,030,686	A	4/1962	Burkhardt	
3,237,395	A	3/1966	Bennett	
3,675,284	A	7/1972	Rieth	
3,740,804	A	6/1973	Levinger	
RE28,793	E	5/1976	Bert	
D249,455	S	9/1978	Tilley	
4,348,000	A	9/1982	Hanner	
4,382,318	A	5/1983	Takimoto	
D272,759	S	2/1984	Koziol	
D281,405	S	11/1985	Bulgari	
D291,423	S *	8/1987	Lajoie	D11/26
D299,718	S	2/1989	Steer et al.	
D305,422	S	1/1990	Steer et al.	
D311,706	S	10/1990	Zaugg et al.	
D315,111	S	3/1991	Rogalski	
D323,787	S	2/1992	Moorman	
D331,020	S	11/1992	Ishii et al.	
D333,994	S	3/1993	Mesnard	
D383,073	S	9/1997	Miller	
D387,692	S	12/1997	Hanagata	
D400,112	S	10/1998	Rider	
D405,381	S *	2/1999	Perrin	D11/4
D407,341	S	3/1999	Oshita	
5,951,193	A	9/1999	Yamamoto et al.	

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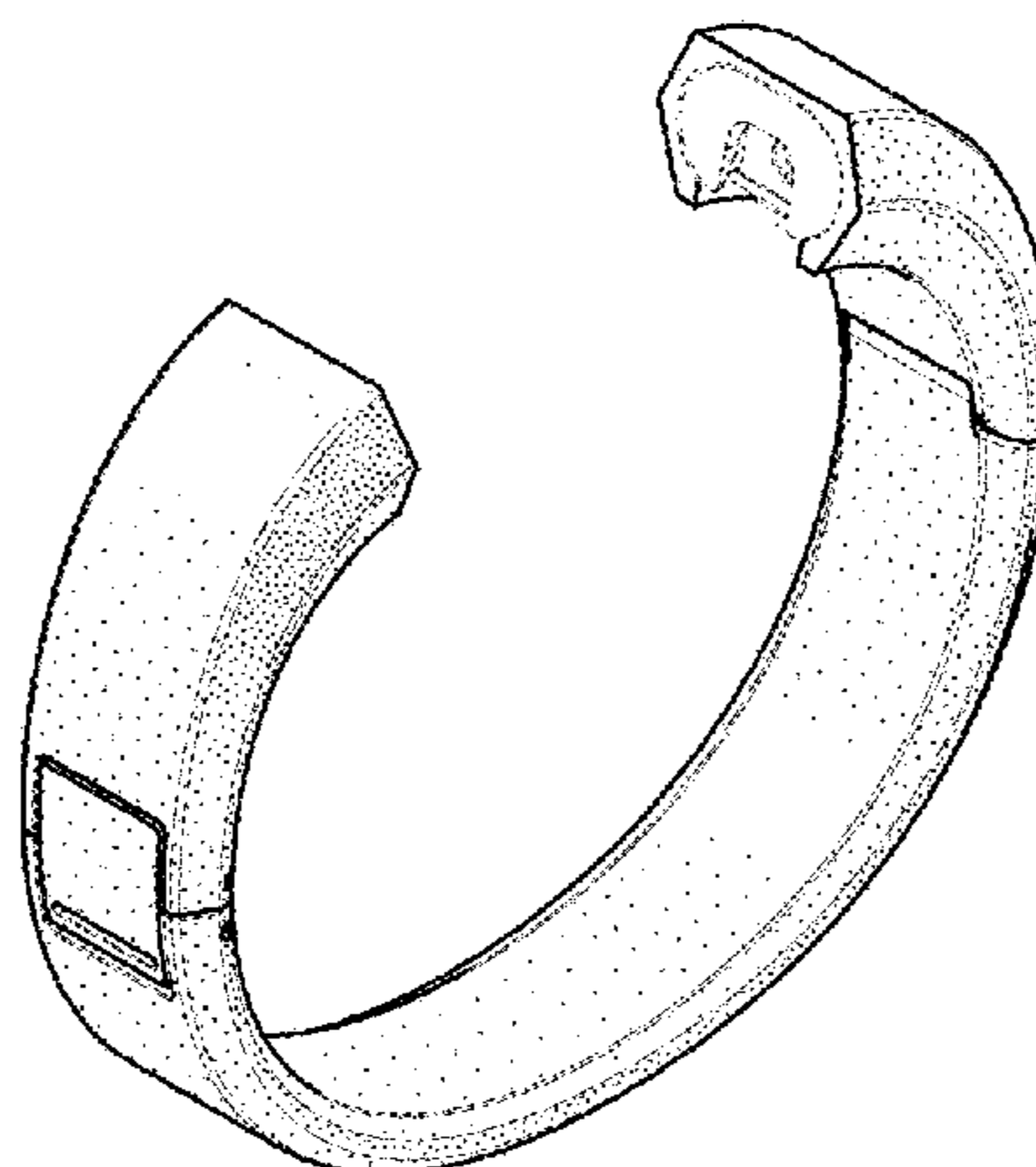
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CPC A44C 5/0069; A44C 5/00; A44C 5/10; A44C 5/022; A44C 5/025; A44C 5/142; A44C 5/145; A44C 5/0007; A44C 5/0061; A44C 5/0076; A44C 5/0084; A44C 5/0092; A44C 5/2071; A44C 5/2085; A44C 9/0038; A44C 9/0053; A44C 15/005; A44C 15/0005; A44C 17/001; A44C 17/003; A44C 17/005; A44C 17/02; A44C 11/006; A44C 11/24;



US D805,418 S

D445,041 S	7/2001	Tan et al.		D718,647 S	12/2014	Roush et al.
D449,008 S	10/2001	Sargent		D720,248 S	12/2014	Law
D455,093 S	4/2002	Fitzgerald		D720,249 S	12/2014	Park et al.
D471,471 S	3/2003	Fu et al.		D720,635 S	1/2015	Park et al.
D480,653 S	10/2003	Lo		D721,609 S *	1/2015	Duddy D11/3
6,738,317 B2	5/2004	Nussbaum		D721,701 S *	1/2015	Al-Nasser D14/344
D500,688 S	1/2005	Schwarz		8,942,070 B1	1/2015	Shah
D517,441 S	3/2006	Heatherly et al.		D722,316 S *	2/2015	Seaberg D14/388
D528,439 S	9/2006	Burton		D724,453 S	3/2015	Ogihara et al.
D528,928 S	9/2006	Burton		D724,479 S	3/2015	Cerrato
D535,055 S	1/2007	Been et al.		D725,510 S	3/2015	Henning
D536,265 S	2/2007	Reynoso		D725,528 S	3/2015	Parmigiani
D538,687 S	3/2007	Komulainen		D726,052 S	4/2015	Henning
D545,220 S	6/2007	Leung		D726,062 S	4/2015	Silverstein
D548,128 S	8/2007	Andren et al.		D726,572 S *	4/2015	Walters D11/3
D549,602 S	8/2007	Oberrieder et al.		D727,183 S	4/2015	Park et al.
D550,105 S	9/2007	Oberrieder et al.		D727,759 S	4/2015	Martinez et al.
D550,112 S	9/2007	Andren et al.		D729,237 S	5/2015	Fagnot
D553,512 S	10/2007	Tang		D729,453 S	5/2015	Provost et al.
D556,194 S	11/2007	Rambosek et al.		D729,646 S	5/2015	Phillips et al.
7,293,332 B2	11/2007	Maillard		D729,648 S	5/2015	Phillips et al.
7,311,526 B2	12/2007	Rohrbach et al.		D729,649 S	5/2015	Phillips et al.
D559,723 S	1/2008	Kraus et al.		D730,210 S	5/2015	Song
D560,520 S	1/2008	Oberrieder et al.		D731,482 S	6/2015	Song
D562,713 S	2/2008	Hurlimann		D731,898 S	6/2015	Squires
D564,367 S	3/2008	Molyneux		D732,022 S	6/2015	Song
D567,227 S	4/2008	Hada		9,064,391 B2	6/2015	Vardi et al.
D567,676 S	4/2008	Tang		D733,706 S	7/2015	Song
D569,282 S	5/2008	Daniel		D735,191 S	7/2015	Song
D573,905 S	7/2008	Poirier		D735,587 S	8/2015	Squires
D581,826 S	12/2008	Molyneux		D737,699 S	9/2015	Chang et al.
D584,974 S	1/2009	Fukuda et al.		D738,236 S	9/2015	Song
D586,673 S	2/2009	Kobayakawa		D738,237 S	9/2015	Song
D586,674 S	2/2009	Solarewicz		D738,372 S	9/2015	Song
D589,375 S	3/2009	Tang		9,122,250 B2	9/2015	Hoffman et al.
7,529,155 B2	5/2009	Fasciano		D740,693 S	10/2015	Carmichael
D595,163 S	6/2009	Kim et al.		D740,807 S	10/2015	Daniel
D595,858 S	7/2009	Kazel		D741,726 S	10/2015	Akana et al.
D602,386 S	10/2009	Ueda et al.		D742,373 S	11/2015	Ji et al.
D610,476 S	2/2010	Daniel		D742,875 S	11/2015	Ji et al.
D621,808 S *	8/2010	Kim D14/138 R		D743,820 S	11/2015	Song
D630,582 S	1/2011	Dai et al.		9,189,023 B2	11/2015	Lim
D635,873 S	4/2011	Ogihara et al.		D744,869 S	12/2015	Dallmeyer et al.
D637,094 S	5/2011	Cobbett et al.		D745,009 S	12/2015	Jensen
D637,506 S	5/2011	Toyoshima et al.		D745,513 S	12/2015	Jung et al.
D640,367 S	6/2011	Lin et al.		D745,514 S	12/2015	Jung et al.
D643,772 S	8/2011	Mikkelsen		D745,868 S	12/2015	Choi et al.
D645,360 S	9/2011	Kiser et al.		D746,477 S	12/2015	Cha et al.
D656,856 S	4/2012	Kleinberg		D746,702 S	1/2016	Galli
D664,880 S	8/2012	Cobbett et al.		D746,776 S	1/2016	Park et al.
D664,881 S	8/2012	Cobbett et al.		D747,313 S	1/2016	Song
D664,882 S	8/2012	Cobbett et al.		D747,714 S	1/2016	Erbeus
D667,126 S	9/2012	Cho et al.		D749,002 S	2/2016	Park et al.
8,275,327 B2	9/2012	Yi et al.		D749,569 S	2/2016	Ji et al.
D669,382 S	10/2012	Alvarez et al.		D750,622 S	3/2016	Chen et al.
D669,383 S	10/2012	Cobbett et al.		D751,069 S	3/2016	Choi et al.
D669,384 S	10/2012	Alvarez et al.		D751,452 S	3/2016	Henning
8,296,983 B2	10/2012	Padgett et al.		D751,549 S	3/2016	Park et al.
D670,583 S	11/2012	Shaanan		D752,043 S	3/2016	Ji et al.
D671,858 S	12/2012	Cobbett et al.		D752,046 S	3/2016	Jun
D672,667 S	12/2012	Mix		D752,578 S	3/2016	Ji et al.
8,370,549 B2	2/2013	Burton et al.		D756,250 S	5/2016	Lee
D677,190 S	3/2013	Cobbett et al.		D757,583 S	5/2016	Roush et al.
D680,020 S	4/2013	Cobbett et al.		D757,721 S	5/2016	Dallmeyer et al.
8,408,436 B2	4/2013	Berry et al.		D759,516 S	6/2016	Ling et al.
D682,718 S	5/2013	Azuma		D759,523 S	6/2016	Ling et al.
D684,082 S	6/2013	Alvarez et al.		D759,622 S	6/2016	Dahlberg
D684,497 S	6/2013	Cobbett et al.		D759,826 S	6/2016	Martinez et al.
8,568,313 B2	10/2013	Sadhu		D761,675 S	7/2016	Thaveprungriporn et al.
D693,251 S	11/2013	Anderssen et al.		D762,210 S	7/2016	Lee et al.
D693,708 S	11/2013	Brigham		9,391,307 B2	7/2016	Ishibashi
D700,083 S	2/2014	Brigham		D763,107 S	8/2016	Nielsen et al.
D703,069 S *	4/2014	Adams D10/31		D763,719 S	8/2016	Nielsen et al.
D707,583 S	6/2014	Kalemos		D765,537 S	9/2016	Hembo et al.
8,776,418 B1	7/2014	Martinez et al.		D766,758 S	9/2016	Park et al.
D714,179 S *	9/2014	Park D11/3		D768,028 S	10/2016	Ling et al.
D715,167 S	10/2014	Busse		D770,321 S	11/2016	Murphy et al.
D715,666 S	10/2014	Park et al.		D772,869 S	11/2016	Iizuka et al.
D715,668 S	10/2014	Roush et al.		9,498,161 B1	11/2016	Sunden et al.

9,508,241	B2	11/2016	DePascale
D777,590	S	1/2017	Nielsen et al.
2005/0237704	A1	10/2005	Ceresoli
2006/0203621	A1	9/2006	Brodmann
2010/0162472	A1	7/2010	Abraham
2010/0311544	A1	12/2010	Robinette et al.
2011/0032105	A1	2/2011	Hoffman et al.
2011/0209373	A1	9/2011	Padgett et al.
2013/0273770	A1	10/2013	Pong
2013/0329324	A1	12/2013	Tziviskos et al.
2014/0107493	A1	4/2014	Yuen et al.
2014/0156196	A1	6/2014	Martinez et al.
2014/0180019	A1	6/2014	Martinez et al.
2014/0275854	A1	9/2014	Venkatraman et al.
2014/0316305	A1	10/2014	Venkatraman et al.
2016/0015136	A1	1/2016	Yue et al.
2016/0072554	A1	3/2016	Sharma
2016/0223992	A1*	8/2016	Seo A44C 5/0007

FOREIGN PATENT DOCUMENTS

CN 302903439 S 8/2014

OTHER PUBLICATIONS

U.S. Notice of Allowance, dated Feb. 4, 2016, issued in U.S. Appl. No. 29/520,607.
 U.S. Notice of Allowance, dated Mar. 4, 2016, issued in U.S. Appl. No. 29/521,264.
 U.S. Notice of Allowance, dated Apr. 14, 2016, issued in U.S. Appl. No. 29/524,025.
 U.S. Notice of Allowance, dated Aug. 3, 2016, issued in U.S. Appl. No. 29/524,028.
 Chinese Office Action [Description in English] dated Feb. 14, 2016 issued in CN201530255881.7.
 Chinese Office Action [Description in English] dated Feb. 14, 2016 issued in CN201530256087.4.
 Chinese Office Action [Description in English] dated Feb. 14, 2016 issued in CN201530255977.3.
 Chinese Office Action [Description in English] dated Jul. 30, 2015 issued in CN201530134185.0.
 Chinese Office Action [Description in English] dated Dec. 18, 2015 issued in CN201530134185.0.
 U.S. Office Action, dated Aug. 4, 2014, issued in U.S. Appl. No. 29/468,506.
 U.S. Notice of Allowance, dated Oct. 24, 2014, issued in U.S. Appl. No. 29/468,506.
 U.S. Notice of Allowance, dated Aug. 15, 2014, issued in U.S. Appl. No. 29/468,517.
 U.S. Office Action, dated Jun. 5, 2015, issued in U.S. Appl. No. 29/468,522.
 U.S. Notice of Allowance, dated Oct. 9, 2015, issued in U.S. Appl. No. 29/468,522.
 U.S. Notice of Allowance, dated Oct. 9, 2015 issued in U.S. Appl. No. 29/497,740.
 U.S. Office Action [*Ex Parte Quayle*], dated May 10, 2016 issued in U.S. Appl. No. 29/549,341.
 U.S. Notice of Allowance [Notice of Allowability], dated Jul. 22, 2016 issued in U.S. Appl. No. 29/549,341.
 U.S. Notice of Allowance, dated Jan. 7, 2015, issued in U.S. Appl. No. 29/498,195.
 U.S. Notice of Allowance [Corrected Notice of Allowability for a Design Application], dated Feb. 10, 2015, issued in U.S. Appl. No. 29/498,195.
 U.S. Notice of Allowance, dated Jan. 7, 2015, issued in U.S. Appl. No. 29/499,065.
 U.S. Notice of Allowance [Corrected Notice of Allowability for a Design Application], dated Feb. 10, 2015, issued in U.S. Appl. No. 29/499,065.
 U.S. Office Action, dated Sep. 25, 2015, issued in U.S. Appl. No. 29/500,837.
 U.S. Notice of Allowance, dated Mar. 28, 2016, issued in U.S. Appl. No. 29/500,837.

U.S. Notice of Allowance dated May 11, 2016, issued in U.S. Appl. No. 29/500,837.
 U.S. Notice of Allowance, dated Oct. 11, 2016, issued in U.S. Appl. No. 29/537,616.
 U.S. Notice of Allowance, dated Apr. 14, 2016, issued in U.S. Appl. No. 29/541,358.
 U.S. Notice of Allowance, dated Apr. 13, 2016, issued in U.S. Appl. No. 29/541,364.
 U.S. Notice of Allowance [Corrected Notice of Allowability], dated May 31, 2016, issued in U.S. Appl. No. 29/541,364.
 Chinese First Office Action dated Oct. 29, 2014 issued in CN 201430316587.8.
 Chinese Office Action [Description in English] dated May 23, 2016 issued in CN201530465785.5.
 Chinese Office Action [Description in English] dated Sep. 27, 2016 issued in CN201630295320.4.
 Chinese Office Action [Description in English] dated Jan. 6, 2017 issued in CN201630295320.4 .
 Chinese Office Action [Description in English] dated Sep. 28, 2016 issued in CN201630295177.9.
 Chinese Office Action [Description in English] dated Jan. 20, 2017 issued in CN201630492536.X.
 Chinese Second Office Action [no translation] dated Apr. 1, 2017 issued in CN201630492536.X.
 Fitbit Alta Bands (available online Jul. 27, 2016) [Retrieved from the internet Feb. 17, 2017, retrieved from the internet URL:<https://www.amazon.com/Fitbit-Bands-AK-Replacement-Metal/dp/B01G1TBJY4>], 5 pp.
 Fitbit Alta (available online Feb. 4, 2016) [Retrieved from the internet Feb. 24, 2017, retrieved from the internet URL:<https://www.fitbit.com/alta>], 2pp.
 Fitbit Flex Wireless Activity + Sleep Wristband, Amazon.com, first reviewed on Apr. 16, 2013, only. Site visited Jul. 22, 2014. Internet URL:<"http://www.amazon.com/Fitbit-Wireless-Activity-Sleep-Wristband/dp/B00BGO0Q90/ref=cm_cr_pr_product_top">, 1 page.
 Pinterest—The world’s catalog of ideas, “Product Teardowns” (available online) [Retrieved from the internet Feb. 27, 2017, retrieved from the internet URL: <https://www.pinterest.com/pin/123356477268447010/>], 3pp.
 Suppa G-Shock Strap adapters (available online Dec. 13, 2013) [Retrieved from the internet Feb. 7, 2017, retrieved from the internet URL: <http://forums.watchuseek.com/f17/suppa-g-shock-strap-adapters-954103.html>], 2pp.
 Suunto Lug Adapter (available online) [Retrieved from the internet Feb. 7, 2017, retrieved from the internet URL:http://www.imgur.net/media/805121195814698214_1428232830], 1 page.
 U.S. Appl. No. 29/520,607, filed Mar. 16, 2015, Ling et al.
 U.S. Appl. No. 29/524,019, filed Apr. 15, 2015, Ling et al.
 U.S. Appl. No. 29/524,027, filed Apr. 15, 2015, Ling et al.
 U.S. Appl. No. 29/541,361, filed Oct. 2, 2015, Nielsen et al.
 U.S. Appl. No. 29/541,365, filed Oct. 2, 2015, Nielsen et al.
 U.S. Appl. No. 29/541,368, filed Oct. 2, 2015, Nielsen et al.
 U.S. Appl. No. 29/553,318, filed Jan. 29, 2016, Ling et al.
 U.S. Appl. No. 29/553,921, filed Feb. 5, 2016, Nielsen et al.
 U.S. Appl. No. 29/563,187, filed May 3, 2016, Ling et al.
 U.S. Appl. No. 29/563,190, filed May 3, 2016, Ling et al.
 U.S. Appl. No. 29/563,191, filed May 3, 2016, Ling et al.
 U.S. Appl. No. 29/563,192, filed May 3, 2016, Lowe et al.
 U.S. Appl. No. 29/563,195, filed May 3, 2016, Lowe et al.
 U.S. Appl. No. 29/563,201, filed May 3, 2016, Lowe et al.
 U.S. Appl. No. 29/563,922, filed May 9, 2016, Paschke et al.
 U.S. Appl. No. 29/565,818, filed May 24, 2016, Page et al.
 U.S. Appl. No. 29/568,027, filed Jun. 14, 2016, Paschke et al.
 U.S. Appl. No. 29/568,607, filed Jun. 20, 2016, Paschke et al.
 U.S. Appl. No. 29/569,701, filed Jun. 29, 2016, Nielsen et al.
 U.S. Appl. No. 29/571,687, filed Jul. 20, 2016, Lean et al.
 U.S. Appl. No. 29/572,962, filed Aug. 1, 2016, Lean et al.
 U.S. Appl. No. 29/572,967, filed Aug. 1, 2016, Lean et al.
 U.S. Appl. No. 29/575,838, filed Aug. 29, 2016, Lean et al.
 U.S. Appl. No. 29/579,649, filed Sep. 30, 2016, Lean et al.
 U.S. Appl. No. 29/585,891, filed Nov. 29, 2016, Nielsen et al.

U.S. Office Action [*Ex Parte Quayle*], dated Apr. 4, 2017, issued in U.S. Appl. No. 29/524,019.
U.S. Office Action, dated Sep. 29, 2016, issued in U.S. Appl. No. 29/524,027.
U.S. Notice of Allowance, dated Feb. 15, 2017, issued in U.S. Appl. No. 29/569,701.
U.S. Office Action [*Ex Parte Quayle*], dated Feb. 27, 2017, issued in U.S. Appl. No. 29/553,921.
U.S. Office Action, dated Jan. 27, 2017, issued in U.S. Appl. No. 29/553,318.
U.S. Office Action, dated Mar. 27, 2017, issued in U.S. Appl. No. 29/563,190.
U.S. Office Action [*Ex Parte Quayle*], dated Mar. 2, 2017 issued in U.S. Appl. No. 29/563,191.
U.S. Office Action [*Ex Parte Quayle*], dated Feb. 10, 2017, issued in U.S. Appl. No. 29/563,195.
U.S. Notice of Allowance, dated Apr. 28, 2017, issued in U.S. Appl. No. 29/563,195.
U.S. Office Action dated Mar. 23, 2017, issued in U.S. Appl. No. 29/563,201.
U.S. Notice of Allowance, dated Feb. 17, 2017, issued in U.S. Appl. No. 29/571,687.
U.S. Notice of Allowance, dated Apr. 17, 2017, issued in U.S. Appl. No. 29/572,962.
U.S. Notice of Allowance, dated Aug. 9, 2017, issued in U.S. Appl. No. 29/524,019.
U.S. Notice of Allowance, dated Oct. 24, 2017, issued in U.S. Appl. No. 29/585,891.
U.S. Notice of Allowance, dated Aug. 8, 2017, issued in U.S. Appl. No. 29/541,361.
U.S. Notice of Allowance, dated Sep. 28, 2017, issued in U.S. Appl. No. 29/563,187.
U.S. Notice of Allowance, dated Sep. 25, 2017, issued in U.S. Appl. No. 29/563,190.
U.S. Office Action, dated Sep. 22, 2017, issued in U.S. Appl. No. 29/563,192.
U.S. Notice of Allowance dated Aug. 25, 2017, issued in U.S. Appl. No. 29/563,201.
U.S. Office Action dated Aug. 24, 2017, issued in U.S. Appl. No. 29/568,027.
U.S. Office Action dated Aug. 24, 2017, issued in U.S. Appl. No. 29/568,607.
U.S. Office Action dated Oct. 5, 2017, issued in U.S. Appl. No. 29/575,838.
U.S. Office Action dated Oct. 5, 2017, issued in U.S. Appl. No. 29/579,649.

* cited by examiner

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(57)

CLAIM

We claim the ornamental design for a bangle accessory, as shown and described.

DESCRIPTION

FIG. 1 is a side view of a bangle accessory.
FIG. 2 is an opposing side view of the bangle accessory of FIG. 1.
FIG. 3 is a top view of the bangle accessory of FIG. 1.
FIG. 4 is a bottom view of the bangle accessory of FIG. 1.
FIG. 5 is a front view of the bangle accessory of FIG. 1.
FIG. 6 is a rear view of the bangle accessory of FIG. 1.
FIG. 7 is an isometric view of the bangle accessory of FIG. 1.
FIG. 8 is another isometric view of the bangle accessory of FIG. 1.
FIG. 9 is yet another isometric view of the bangle accessory of FIG. 1.
FIG. 10 is an additional isometric view of the bangle accessory of FIG. 1.
FIG. 11 is an isometric view of the bangle accessory of FIG. 1 with a case portion of the wearable fitness band system inserted into the bangle accessory; the case portion is shown in dashed lines to indicate unclaimed environmental subject matter in this Figure; and,
FIG. 12 is another isometric view of the bangle accessory of FIG. 11, but with the bangle accessory in the “open” state, as it would be prior to being placed onto a wearer’s wrist. The broken lines shown in the drawings adjacent to solid lines form the bounds of the claim. The broken lines shown in the drawings illustrate portions of the bangle accessory, and the broken lines showing the case portion in FIGS. 11 and 12 illustrate environmental structure. All broken lines form no part of the claimed design. Stipple shading is used to convey surface contouring and not texture.

1 Claim, 4 Drawing Sheets

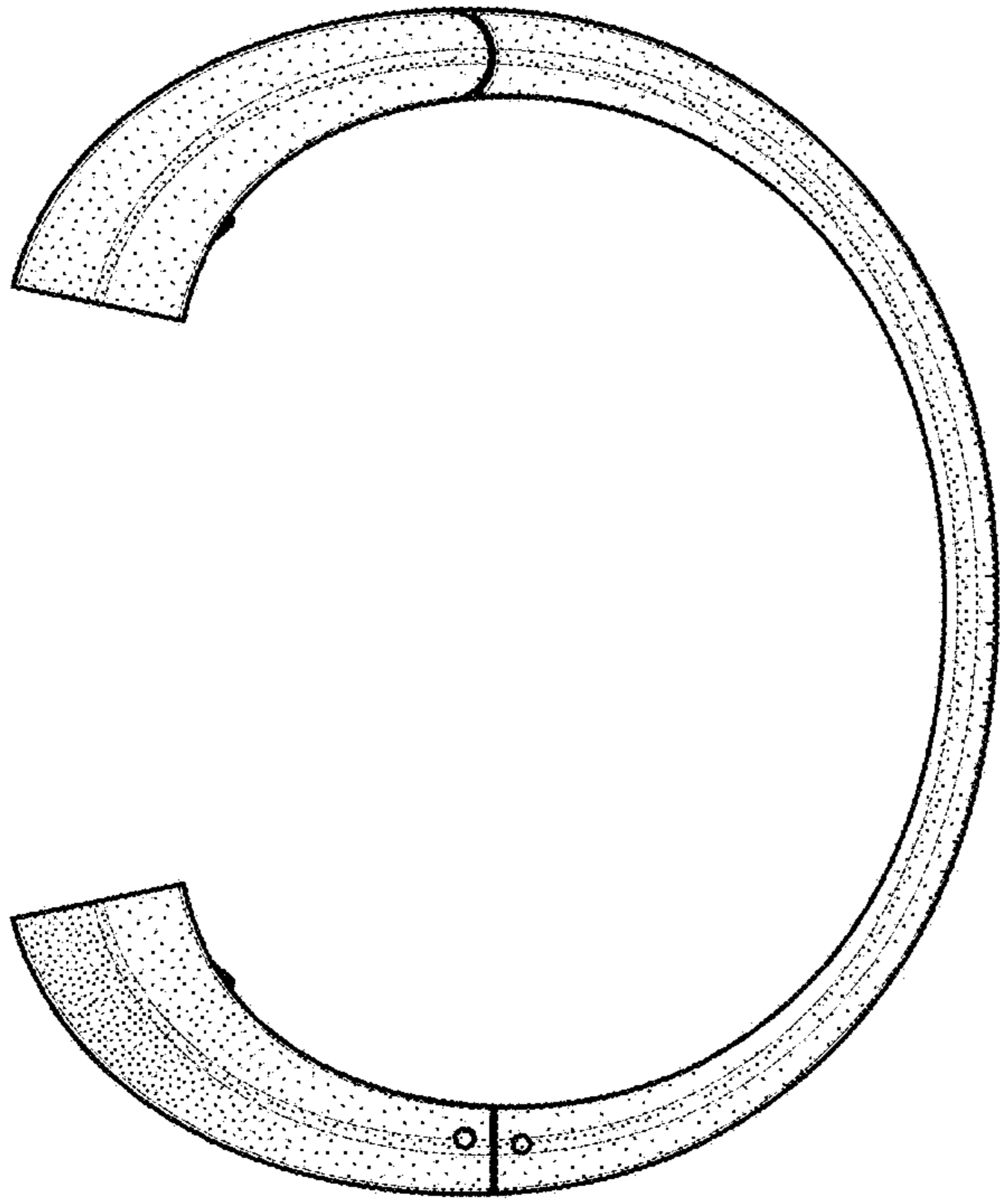


Figure 2

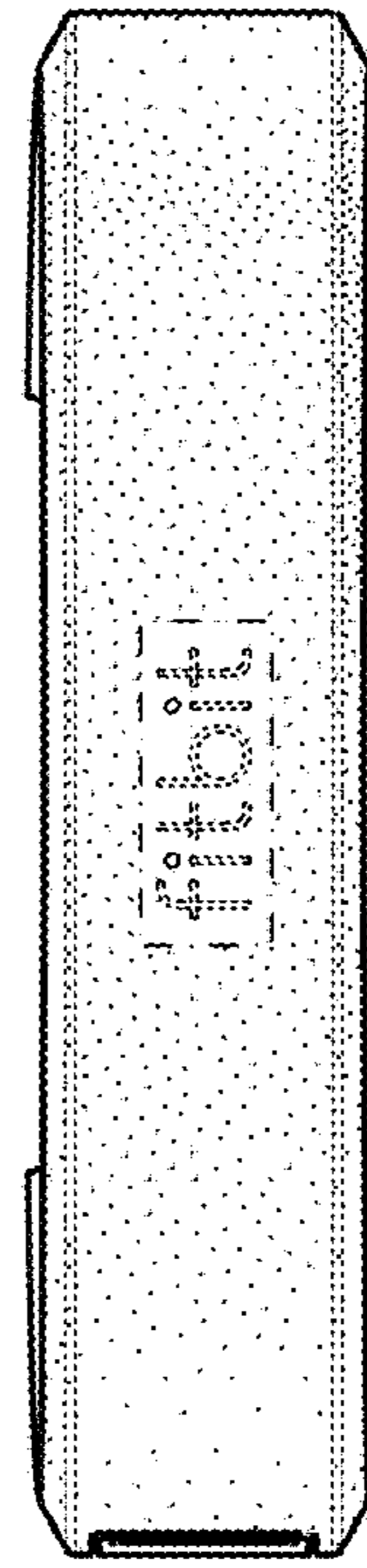


Figure 4

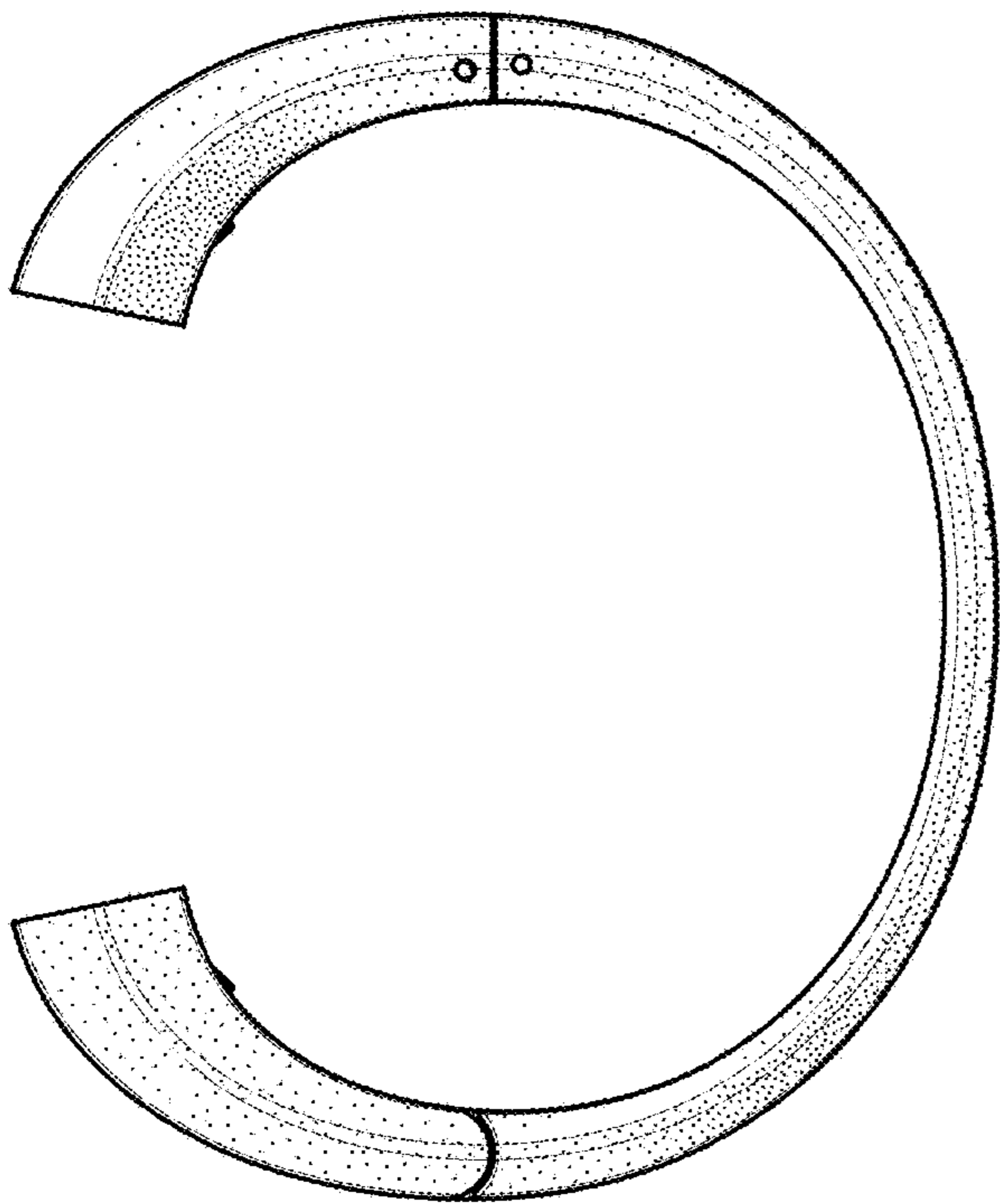


Figure 1

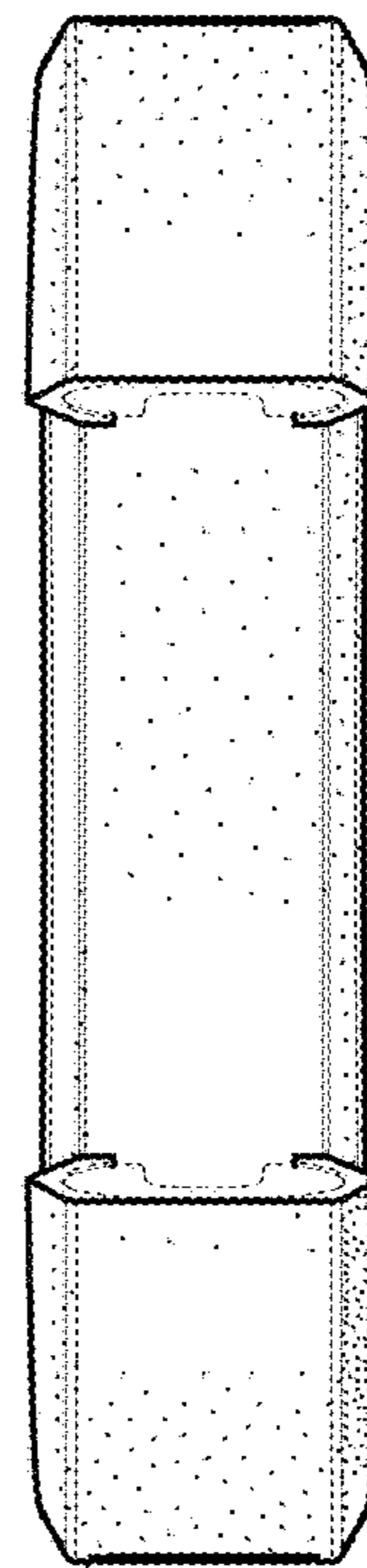


Figure 3

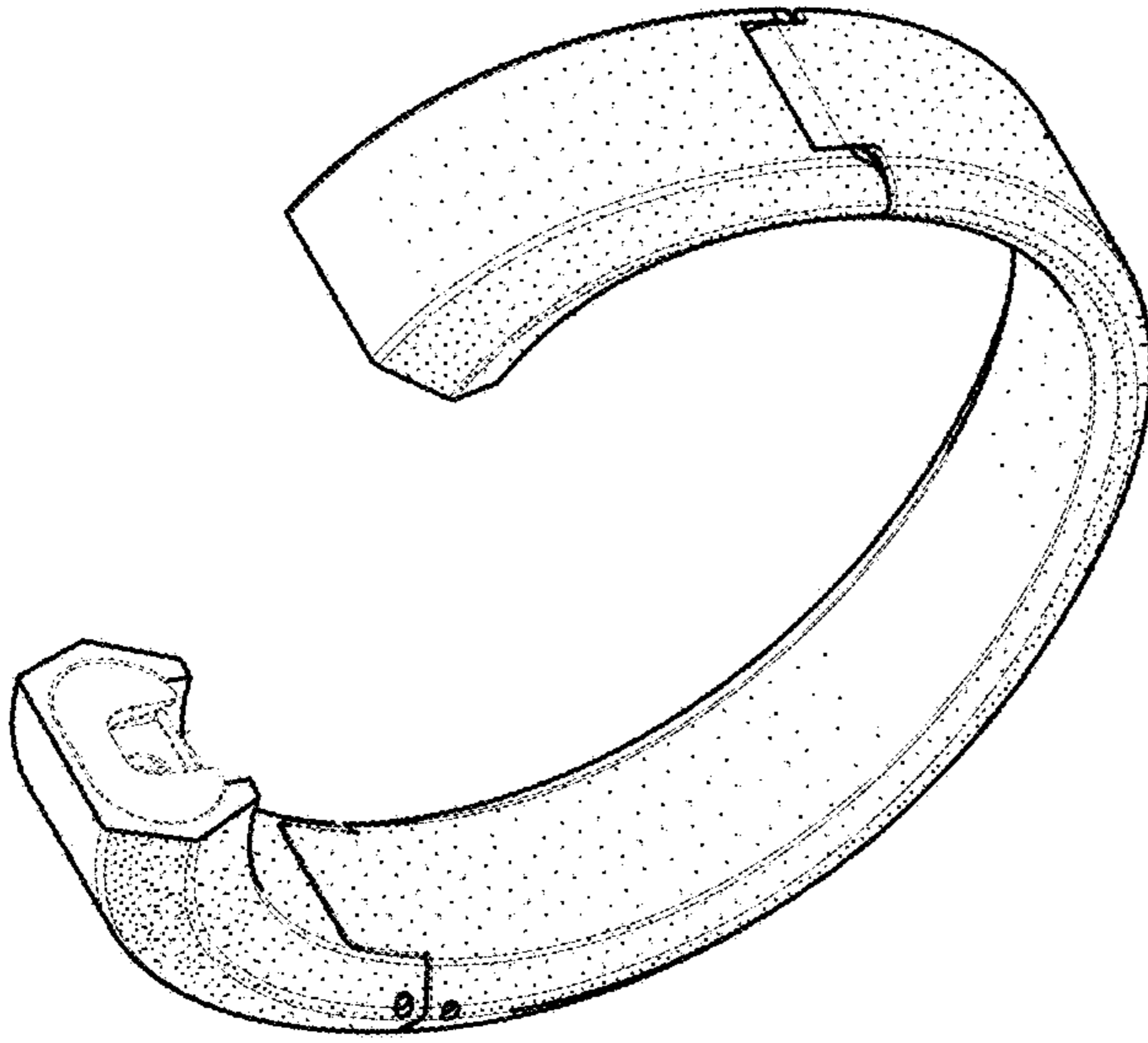


Figure 8

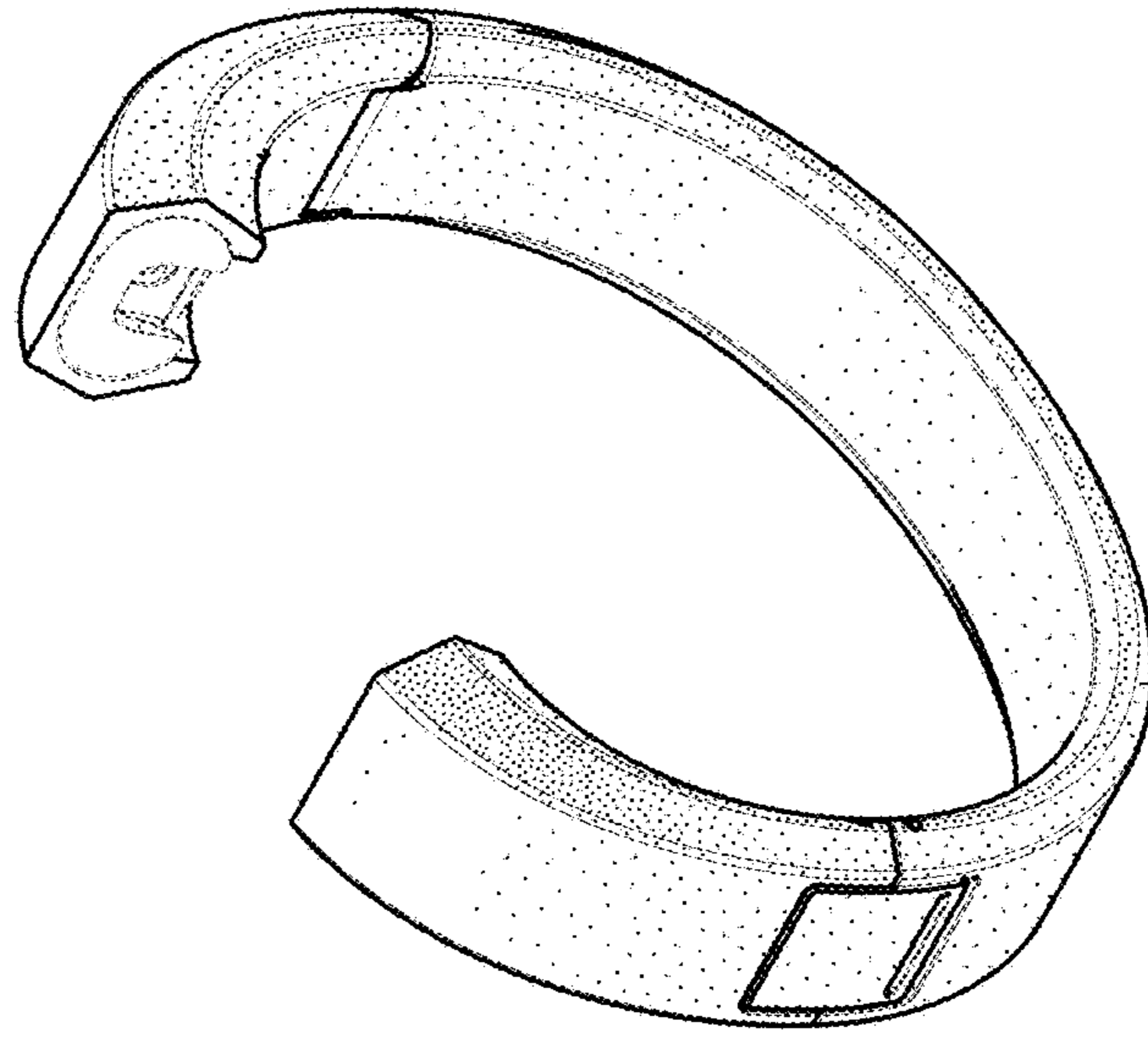


Figure 7

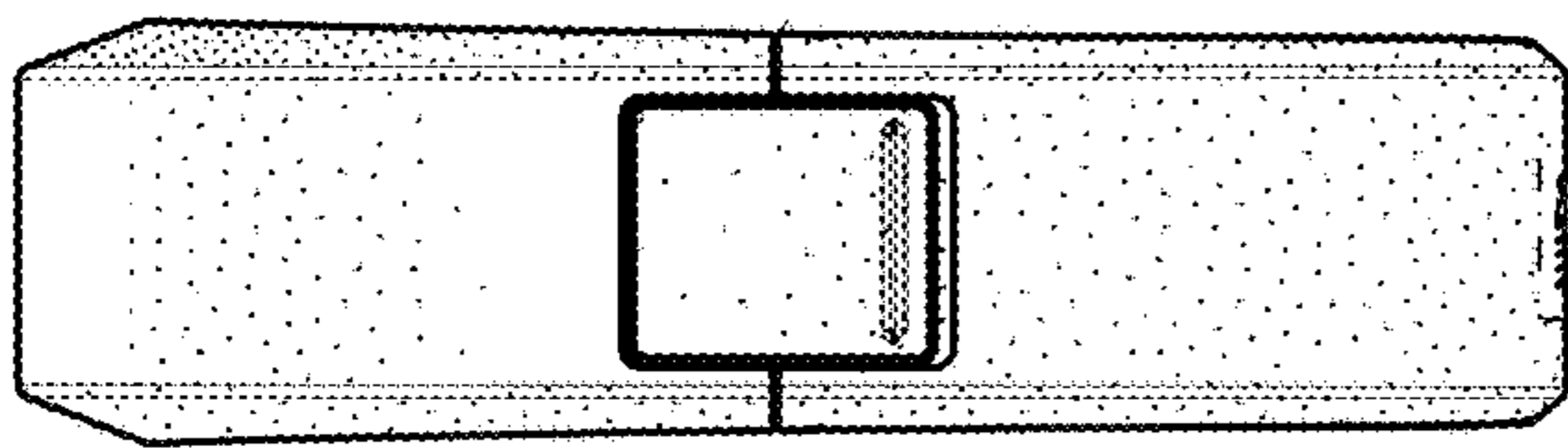


Figure 6

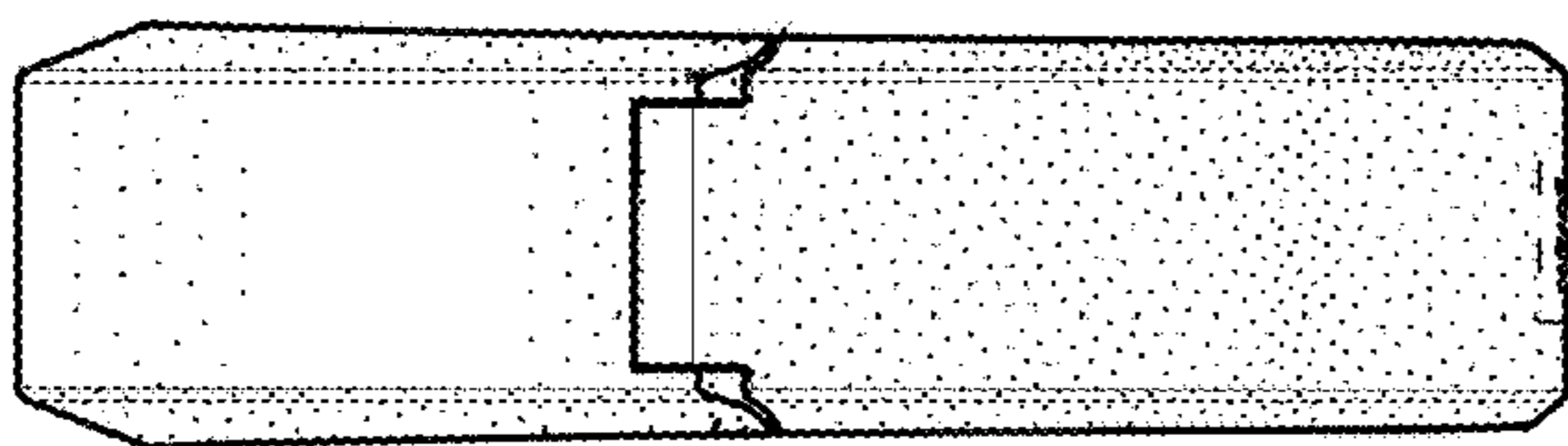


Figure 5

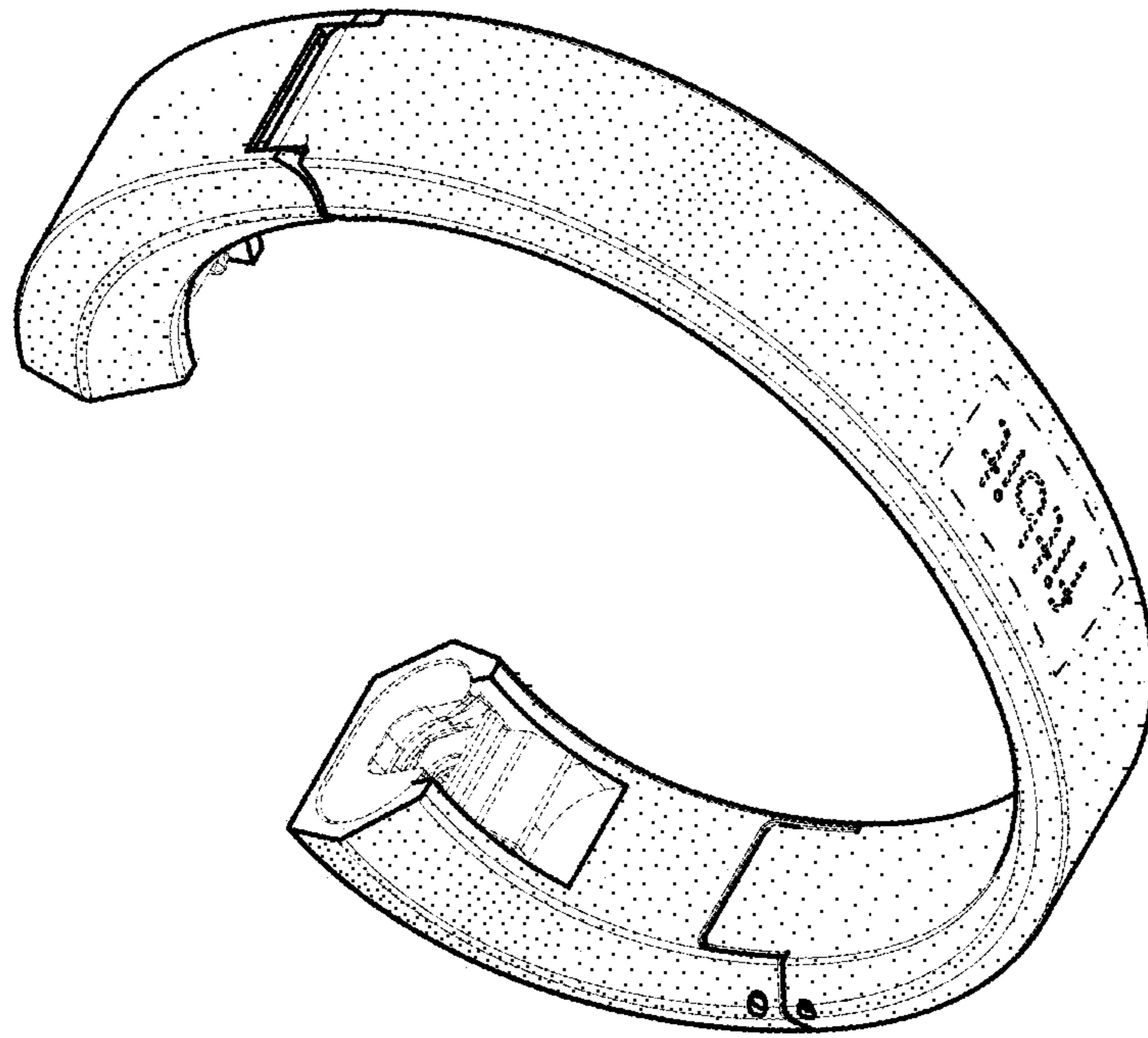


Figure 10

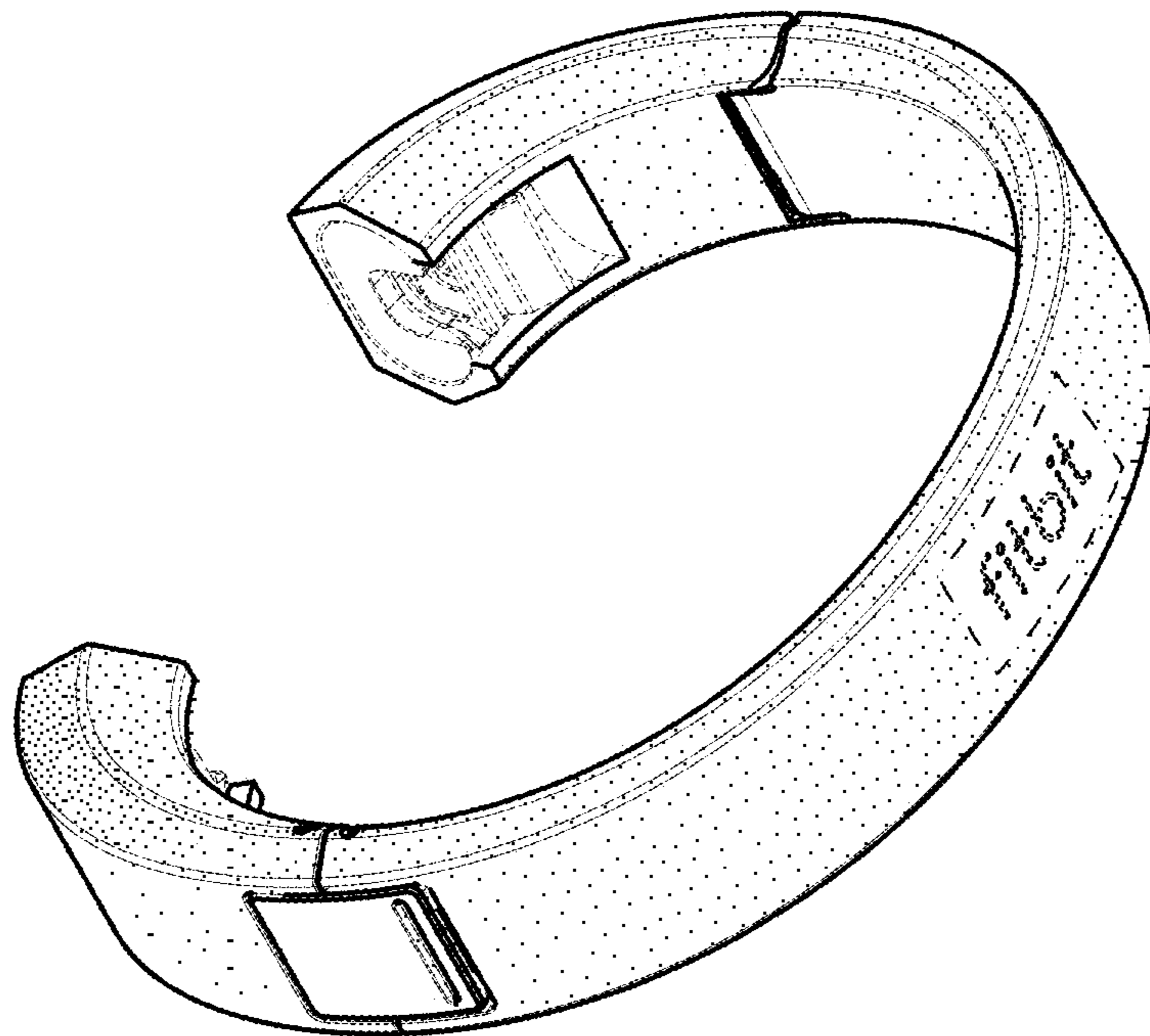


Figure 9

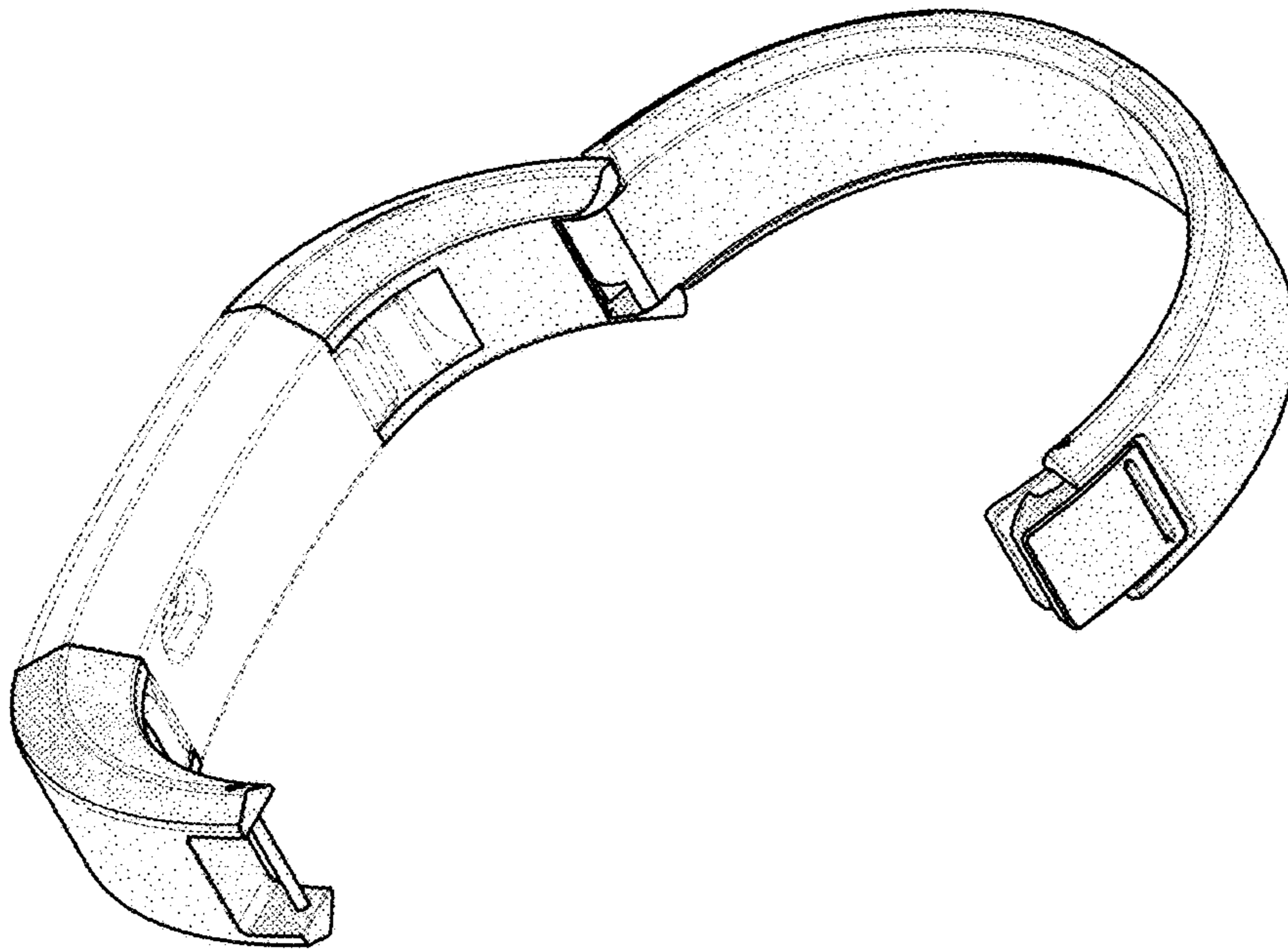


Figure 12

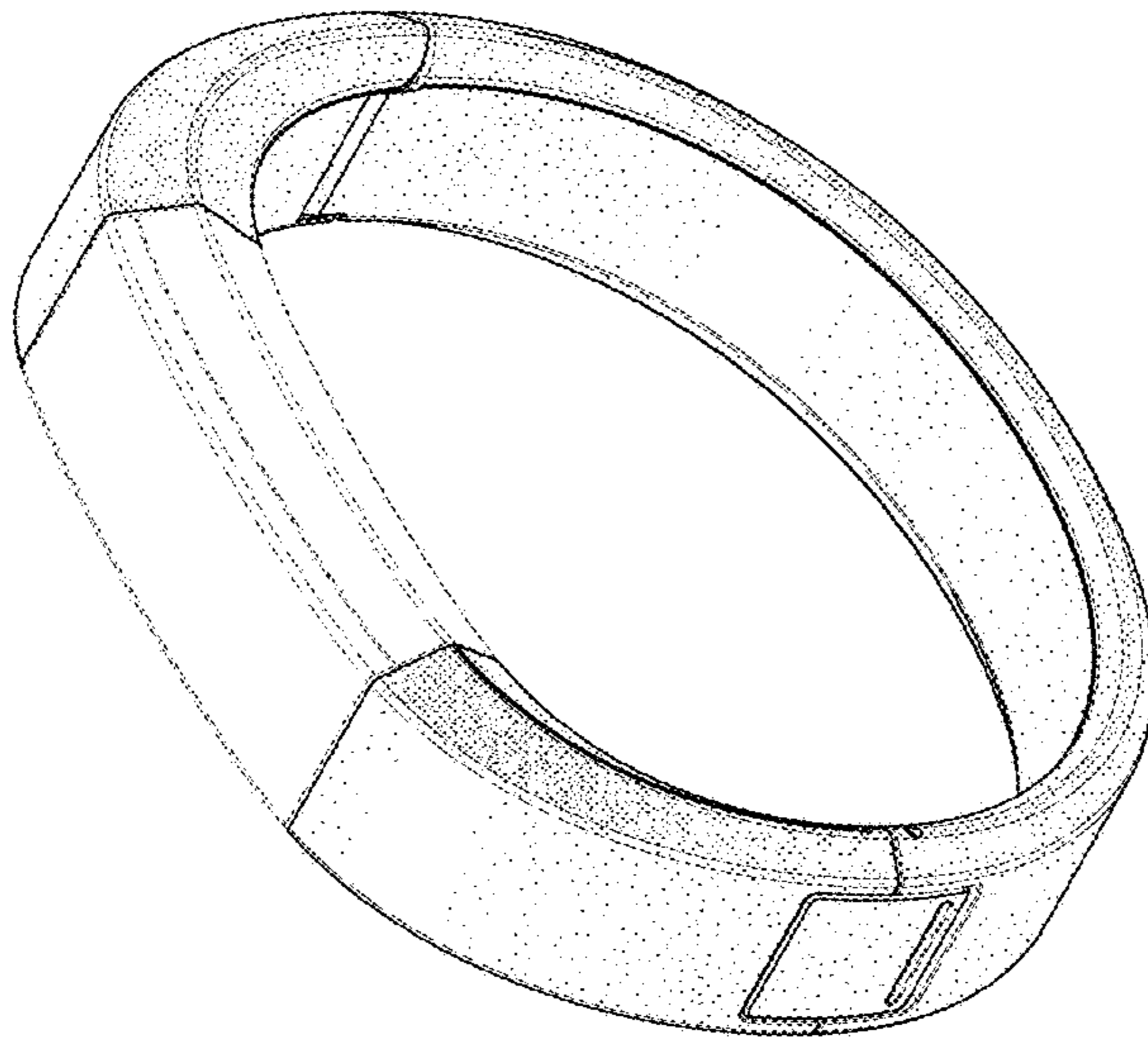


Figure 11