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Zimmerman, III et al.

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(54) **COMBINED SMALL CELL AND WIRELESS NETWORKING NODE FOR MOUNTING ON A LIGHT POLE**

H04W 16/24; H04W 8/245; H04W 84/042; H04W 84/045; H04W 84/047; H04M 1/72522; H04M 1/72525

See application file for complete search history.

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(56)

References Cited

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U.S. PATENT DOCUMENTS

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

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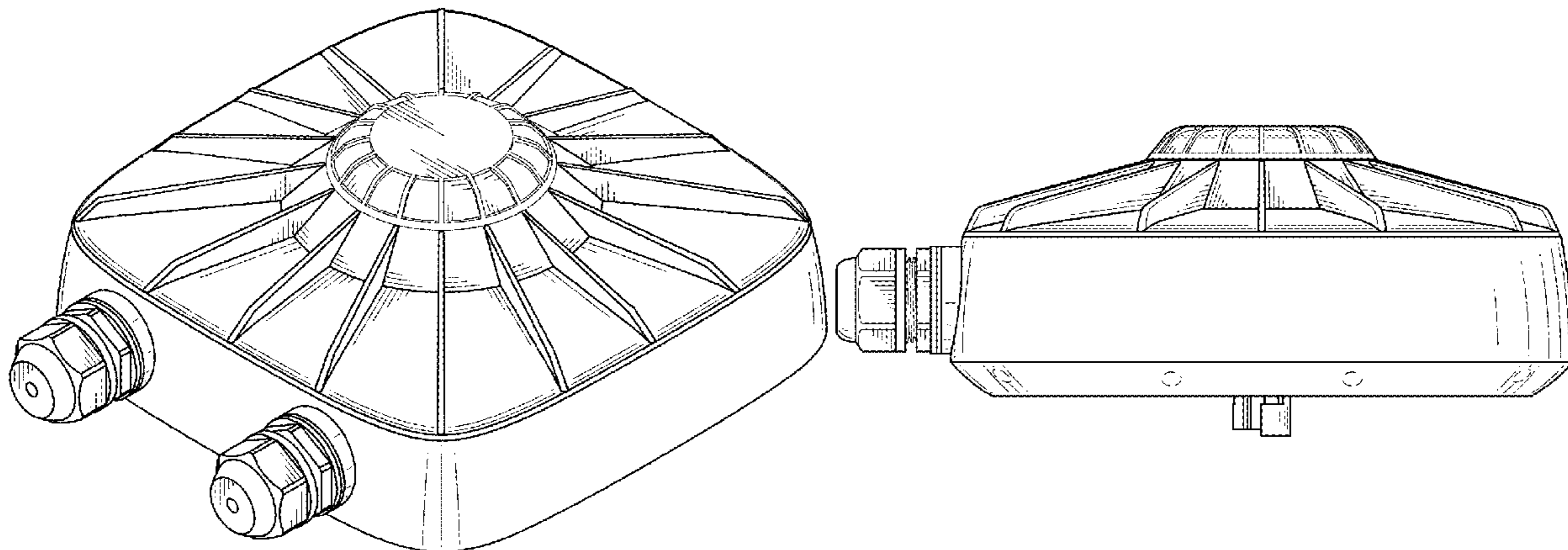
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(52) **U.S. Cl.**
USPC **D14/140.6**

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D201,825 S	8/1965	Heenan
D214,706 S	7/1969	Kauffman
D227,785 S	7/1973	Kaysen
D237,369 S	10/1975	Lowndes
D239,517 S	4/1976	Lowndes
D242,778 S	12/1976	Goble et al.
D242,779 S	12/1976	Goble et al.
D242,942 S	1/1977	Brudy et al.
4,503,360 A	3/1985	Bedel
D286,988 S	12/1986	Akiyama et al.
4,731,551 A	3/1988	Gibbs et al.
4,804,972 A	2/1989	Schudel
D310,064 S	8/1990	Cheng
D311,540 S	10/1990	Wickrema et al.
D327,691 S	7/1992	Ogawa et al.
D333,661 S	3/1993	Elliott et al.
D336,864 S	6/1993	Gottlieb
D346,170 S	4/1994	Tang
D347,436 S	5/1994	Tang
D349,256 S	8/1994	Bellinger et al.
D390,566 S	2/1998	Martek et al.
D401,175 S	11/1998	Bender et al.
D402,991 S	12/1998	Mosser
D404,325 S	1/1999	Bender et al.
D404,326 S	1/1999	Bender et al.
D411,640 S	6/1999	Lueken et al.
D412,676 S	8/1999	Layes
D424,028 S	5/2000	Vaiani
D436,101 S	1/2001	McGovern et al.
D437,243 S	2/2001	Cessac
D440,890 S	4/2001	Warner et al.
D442,947 S	5/2001	Warner et al.
D453,329 S	2/2002	Muramatsu
D455,735 S	4/2002	Winslow
D457,518 S	5/2002	Wilson
D462,070 S	8/2002	Wilson
D462,675 S	9/2002	Kusz et al.
D466,496 S	12/2002	McDonald et al.
D467,242 S	12/2002	Warner et al.
D468,731 S	1/2003	Wilson
D486,146 S	2/2004	Dearnley
D493,169 S	7/2004	Cheng
D493,447 S	7/2004	Noro et al.
D513,477 S	1/2006	Heftman



D519,860 S	5/2006	Bugbee	D806,691 S	1/2018	Andersson
D525,231 S	7/2006	McMillen et al.	9,930,668 B2	3/2018	Barzegar et al.
D531,626 S	11/2006	Agrawal et al.	D814,450 S	4/2018	Kumazawa et al.
D543,540 S	5/2007	Westerling et al.	D817,914 S	5/2018	Britz et al.
D543,975 S	6/2007	McCown	D823,839 S	7/2018	Emery
D544,805 S	6/2007	Corrigan et al.	D829,696 S	10/2018	Wallace et al.
D550,659 S	9/2007	Noro	D833,312 S	11/2018	Alonso
D557,260 S	12/2007	Westerling et al.	D844,581 S	4/2019	Zhou
D560,533 S	1/2008	Dueker et al.	10,312,650 B2	6/2019	Siacotos et al.
D566,698 S	4/2008	Choi et al.	D856,962 S	8/2019	Hart et al.
D570,722 S	6/2008	Taylor	D867,319 S	11/2019	Aaron et al.
7,406,298 B2	7/2008	Luglio et al.	D867,320 S	11/2019	Aaron et al.
D591,888 S	5/2009	Gill	D867,321 S	11/2019	Zimmerman, III et al.
D591,889 S	5/2009	Gill	D868,015 S	11/2019	Zimmerman, III et al.
D591,890 S	5/2009	Gill	D868,016 S	11/2019	Zimmerman, III et al.
D591,891 S	5/2009	Gill	D868,017 S	11/2019	Aaron et al.
D591,892 S	5/2009	Gill	D868,722 S	12/2019	Zimmerman, III et al.
D592,088 S	5/2009	Miller	D871,361 S	12/2019	Aaron et al.
D592,345 S	5/2009	Gill	D875,705 S	2/2020	Zimmerman, III et al.
D592,346 S	5/2009	Gill	D892,758 S *	8/2020	Zimmerman, III D14/140.6
D592,650 S	5/2009	Tsang et al.	D892,759 S *	8/2020	Zimmerman, III D14/140.6
D598,316 S	8/2009	Kuwano	D892,760 S *	8/2020	Aaron D14/140.6
D601,053 S	9/2009	Ferrie et al.	D893,442 S *	8/2020	Zimmerman, III D14/140.6
D604,279 S	11/2009	Chen et al.	2014/0155054 A1	6/2014	Henry et al.
D605,965 S	12/2009	Jackson	2015/0124100 A1	5/2015	McRory
D608,232 S	1/2010	Duran Neira et al.	2018/0045388 A1	2/2018	McDowell et al.
D608,673 S	1/2010	Arosio	2018/0172229 A1	6/2018	Lockwood et al.
D612,760 S	3/2010	Chen et al.	2018/0172243 A1	6/2018	Clynne et al.
D616,777 S	6/2010	Jackson	2018/0279445 A1	9/2018	Harwood
D619,992 S	7/2010	Wayman	2018/0292056 A1	10/2018	Kim
D621,812 S	8/2010	Wayman	2018/0323503 A1	11/2018	Bouchard
D622,709 S	8/2010	Hem et al.	2020/0088390 A1	3/2020	Stegeman et al.
D623,633 S	9/2010	Bliss et al.			
D624,448 S	9/2010	Jackson			
D626,442 S	11/2010	Jackson			
D627,911 S	11/2010	Mo et al.			
D634,308 S	3/2011	Bliss et al.			
D638,001 S	5/2011	Nakhjiri et al.			
D641,647 S	7/2011	Wu			
D647,812 S	11/2011	Kuwano et al.			
D648,241 S	11/2011	Kuwano et al.			
D650,115 S	12/2011	Kim et al.			
D650,513 S	12/2011	Blincoe et al.			
D651,110 S	12/2011	Kuwano			
D651,111 S	12/2011	Kuwano			
D651,112 S	12/2011	Kuwano			
D651,113 S	12/2011	Kuwano et al.			
D652,334 S	1/2012	Kuwano et al.			
D666,583 S	9/2012	Le et al.			
D668,981 S	10/2012	Hsiao			
D668,982 S	10/2012	Hsiao			
D674,787 S	1/2013	Tsuda et al.			
D674,788 S	1/2013	Tsuda et al.			
D680,893 S	4/2013	Adams			
D684,078 S	6/2013	Clifford et al.			
D690,450 S	9/2013	Guercio et al.			
D694,740 S	12/2013	Apostolakis			
D696,642 S	12/2013	Jia et al.			
D701,466 S	3/2014	Clifford et al.			
D706,152 S	6/2014	Ni et al.			
D709,782 S	7/2014	Stuffle			
D713,092 S	9/2014	Smith et al.			
D713,816 S	9/2014	Fleetwood et al.			
D720,247 S	12/2014	Covelli et al.			
D729,214 S	5/2015	Beaudoin			
D730,333 S	5/2015	Matsumoto			
D733,107 S	6/2015	Porter			
D744,985 S	12/2015	Schulz et al.			
D744,986 S	12/2015	Huerta et al.			
D749,974 S	2/2016	Hofßbach et al.			
D751,534 S	3/2016	Lenz et al.			
D757,588 S	5/2016	Stuffle			
9,362,629 B2	6/2016	Hinman et al.			
D772,206 S	11/2016	Lasier et al.			
D772,850 S	11/2016	Söfström			
D789,360 S	6/2017	Moon et al.			
D790,514 S	6/2017	Woodward et al.			
D791,109 S	7/2017	Wallace et al.			
D794,635 S	8/2017	Nimre			

OTHER PUBLICATIONS

Mucci, “Top 3 wireless infrastructure service company trends,” RCR Wireless News, Sep. 10, 2015. Retrieved on Oct. 23, 2019 from <https://www.rcrwireless.com/20150910/workforce/top-3-wireless-infrastructure-service-company-trends-inside-telecom-careers-episode-12-tag1>.
 “Smart Lighting-Ubicell” Ubicquia, from http://www.ubicquia.com/wp-content/uploads/2019/01/word_press_product_ubicell.png, retrieved Jun. 14, 2019.
 “Smart Connectivity-Ubicell” Ubicquia retrieved on Jun. 14, 2019 from http://www.ubicquia.com/wp-content/uploads/2019/01/word_press-product_ubihub.png.
 “UbicellIL-ubihub—ubimetro” Facebook, Uploaded Feb. 26, 2018. retrieved on Jun. 14, 2019 <https://www.facebook.com/ubicquia/photos/a.367486246971918/542412166145991/?type=3&theater>.

* cited by examiner

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(57) CLAIM

The ornamental design for a combined small cell and wireless networking node for mounting on a light pole, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a combined small cell and wireless networking node for mounting on a light pole showing one embodiment of our new design.
 FIG. 2 is a top plan view thereof.
 FIG. 3 is a bottom plan view thereof.
 FIG. 4 is an enlarged scale partial cross-sectional view thereof taken along line 4-4 of FIG. 3.
 FIG. 5 is a front elevational view thereof.
 FIG. 6 is a rear elevational view thereof.

FIG. 7 is a left side elevational view thereof.

FIG. 8 is a right side elevational view thereof.

FIG. 9 is a perspective view of a combined small cell and wireless networking node for mounting on a light pole showing another embodiment of our new design.

FIG. 10 is a top plan view thereof.

FIG. 11 is a bottom plan view thereof.

FIG. 12 is an enlarged scale partial cross-sectional view thereof taken along line 12-12 of FIG. 11.

FIG. 13 is a front elevational view thereof.

FIG. 14 is a rear elevational view thereof.

FIG. 15 is a left side elevational view thereof; and,

FIG. 16 is a right side elevational view thereof.

The dot-dash broken lines in FIGS. 3 and 11 define the boundary of the claim, which extends to the boundary but does not include the boundary; while all other broken lines depict portions of the combined small cell and wireless networking node for mounting on a light pole that form no part of the claimed design.

1 Claim, 10 Drawing Sheets

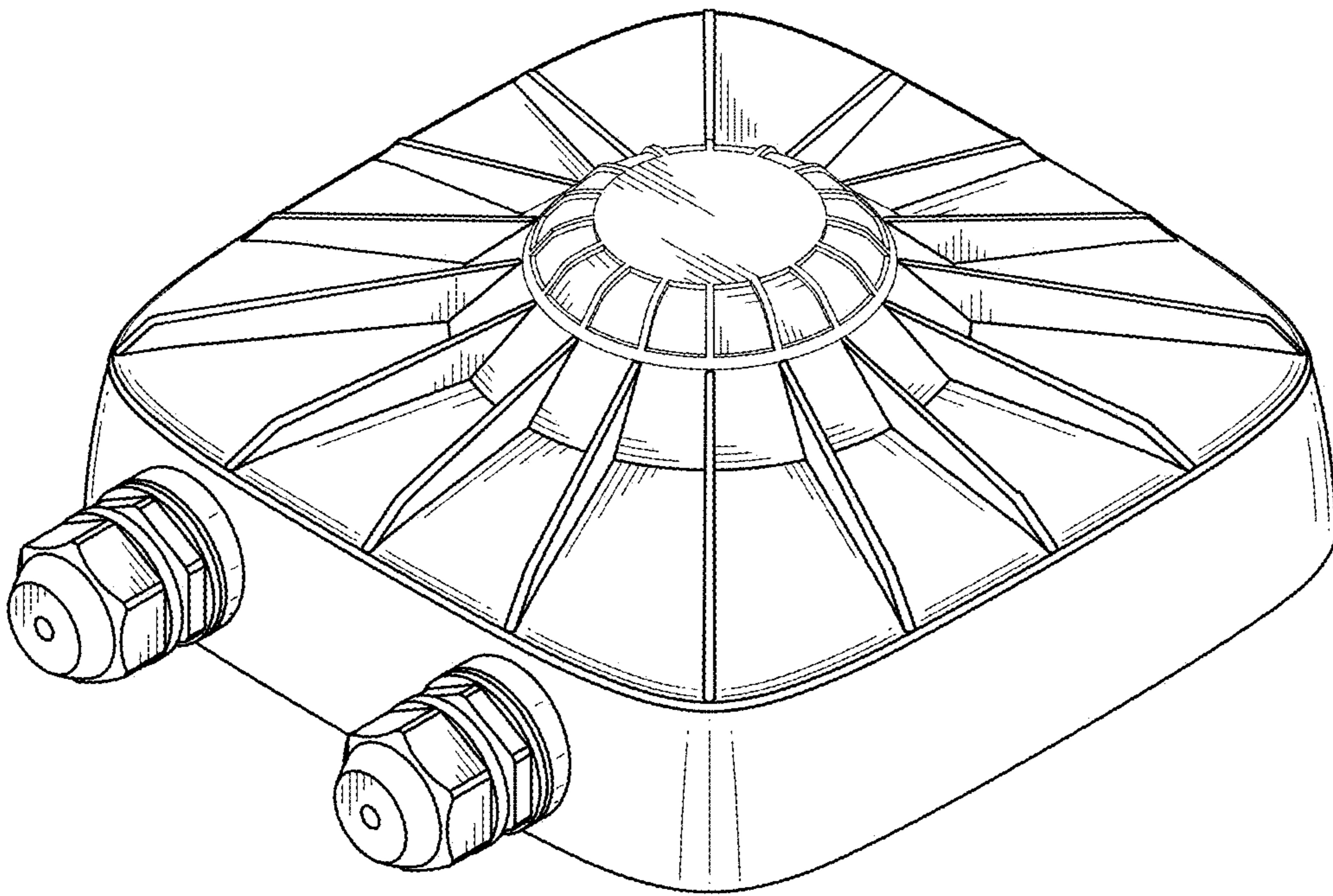


FIG. 1

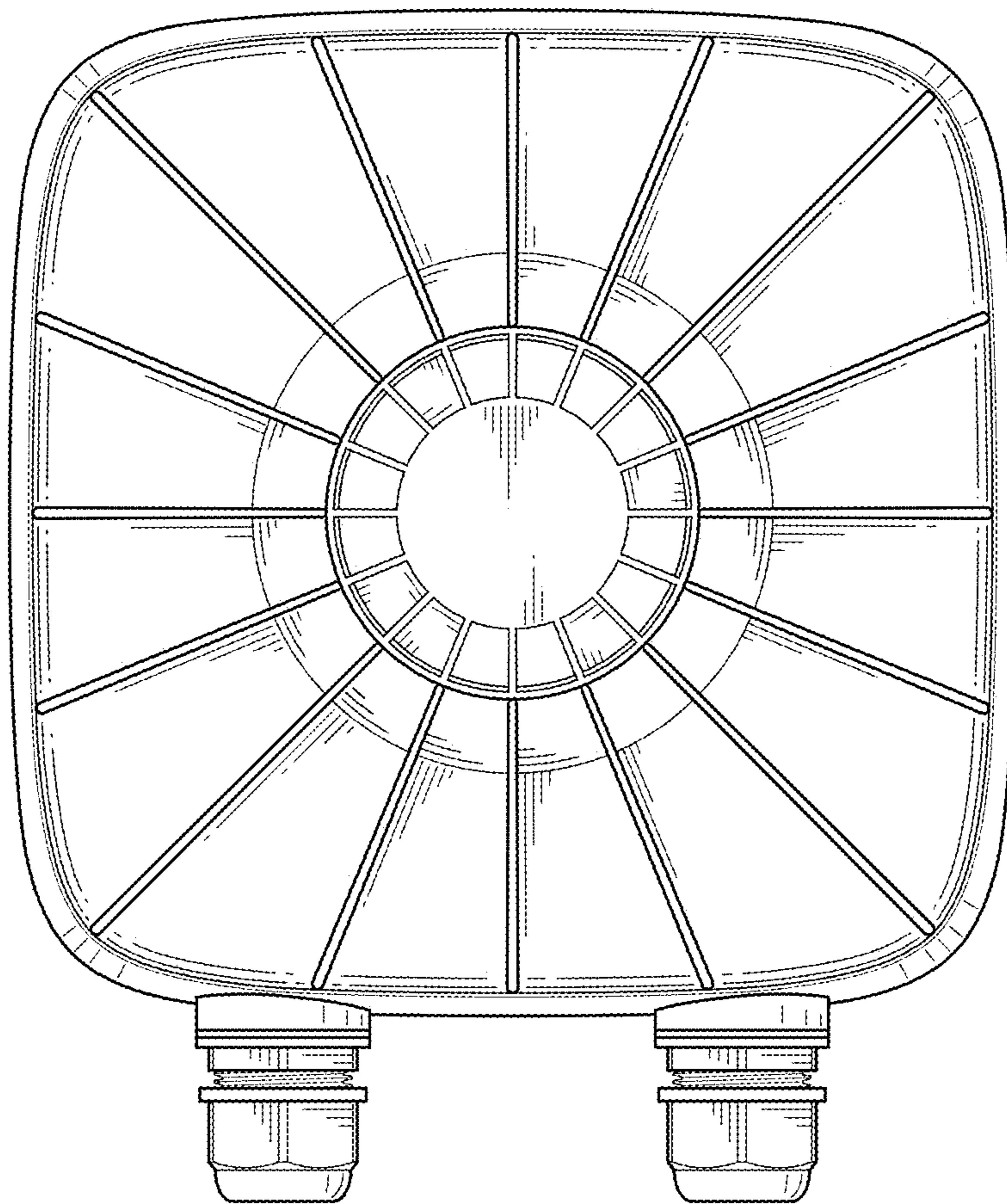


FIG. 2

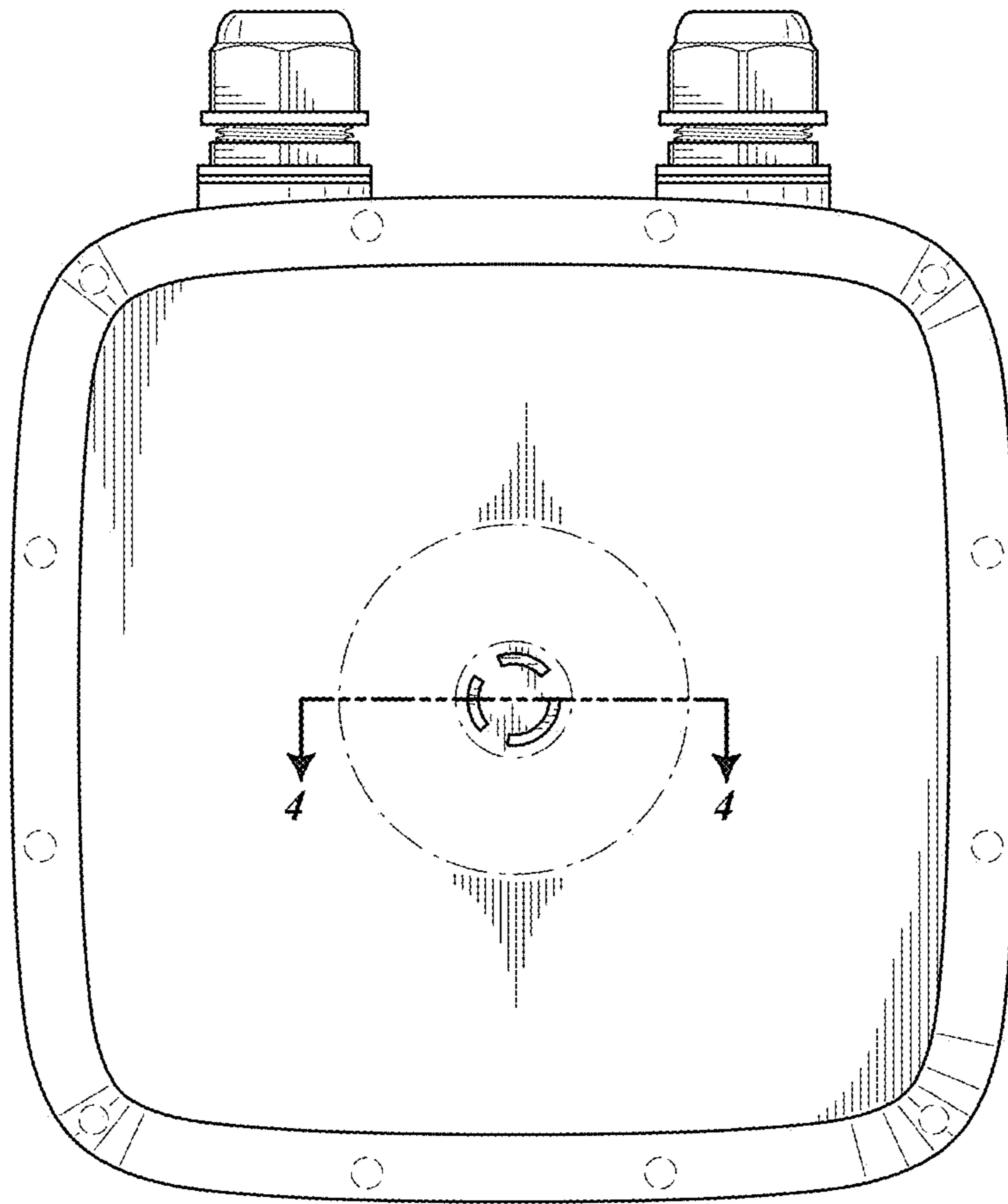


FIG. 3

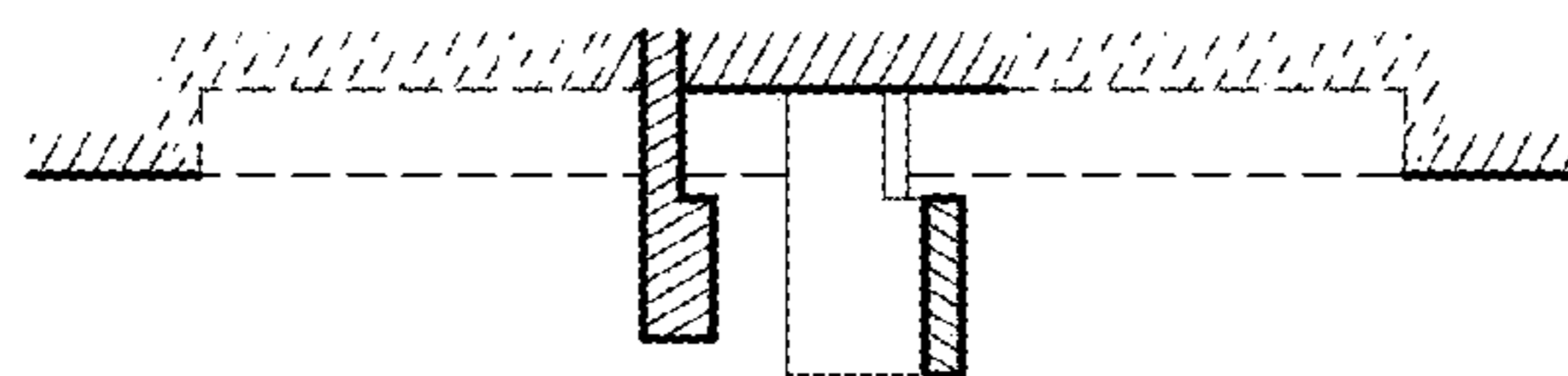


FIG. 4

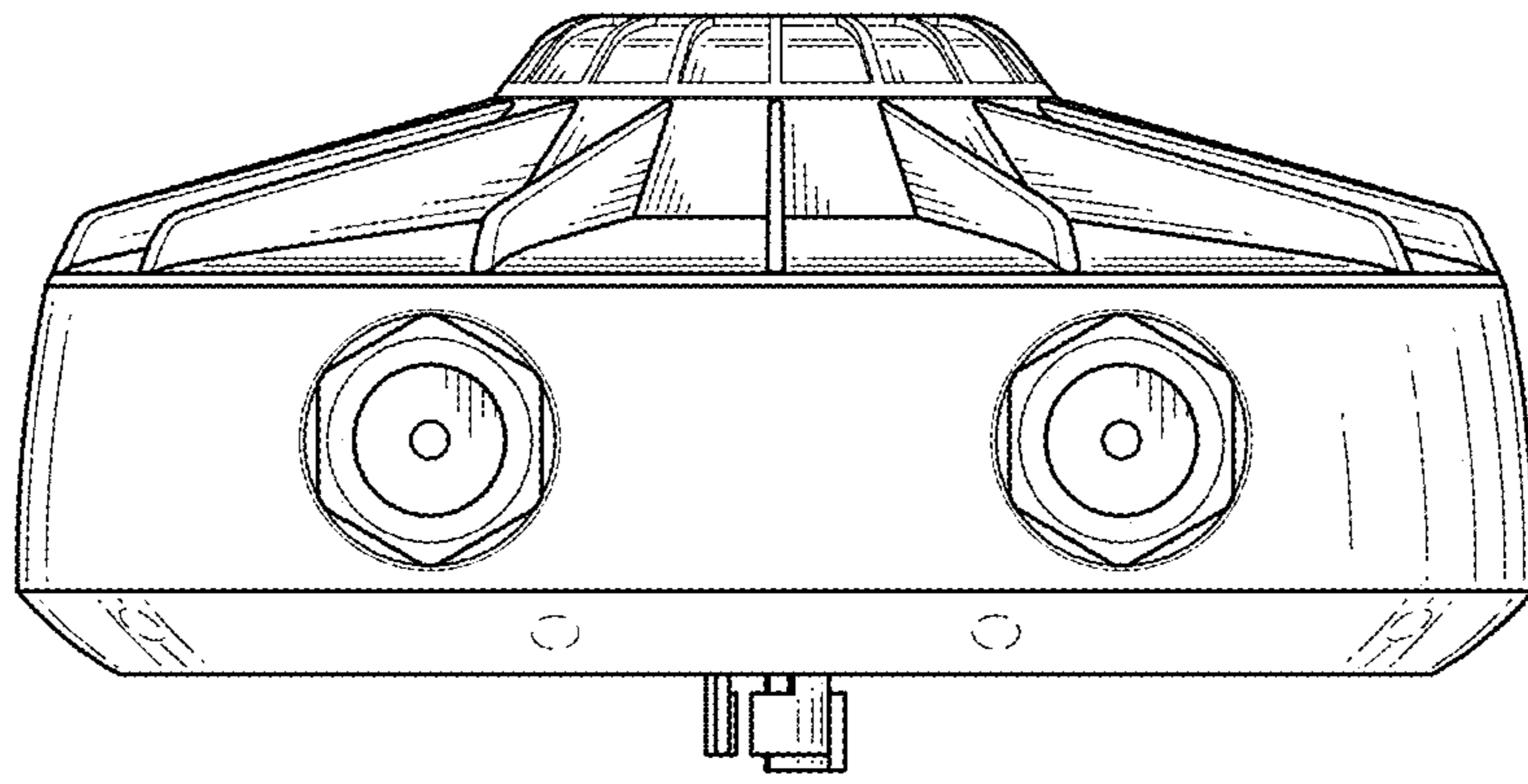


FIG. 5

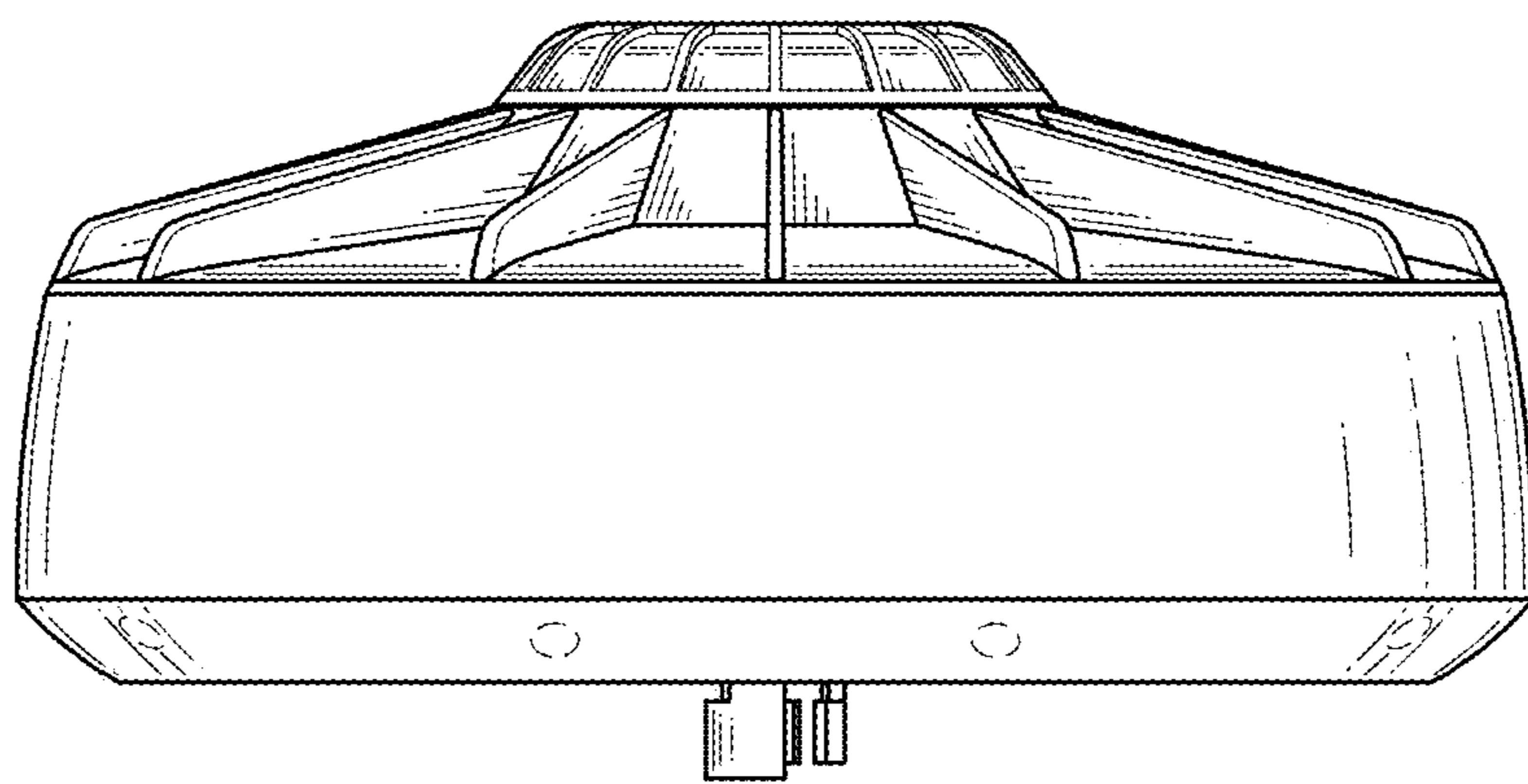


FIG. 6

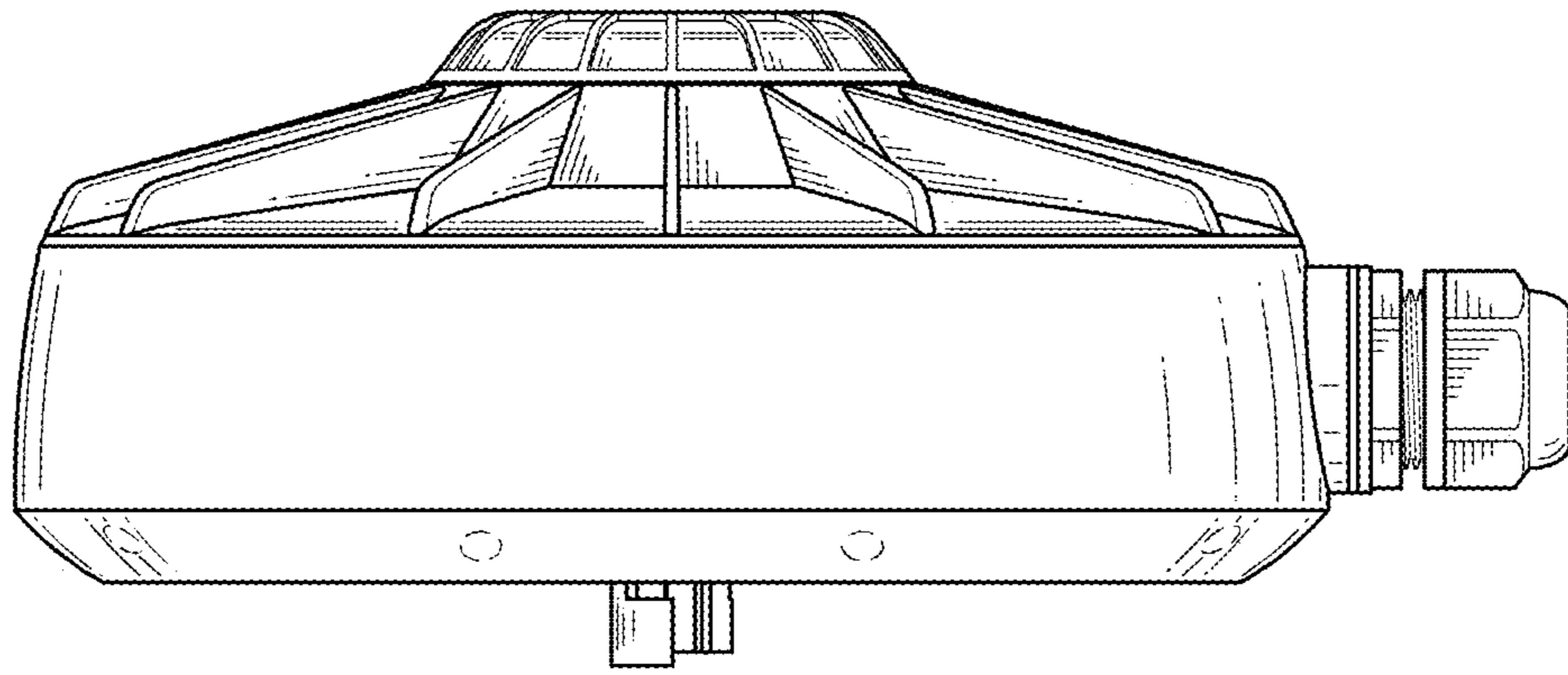


FIG. 7

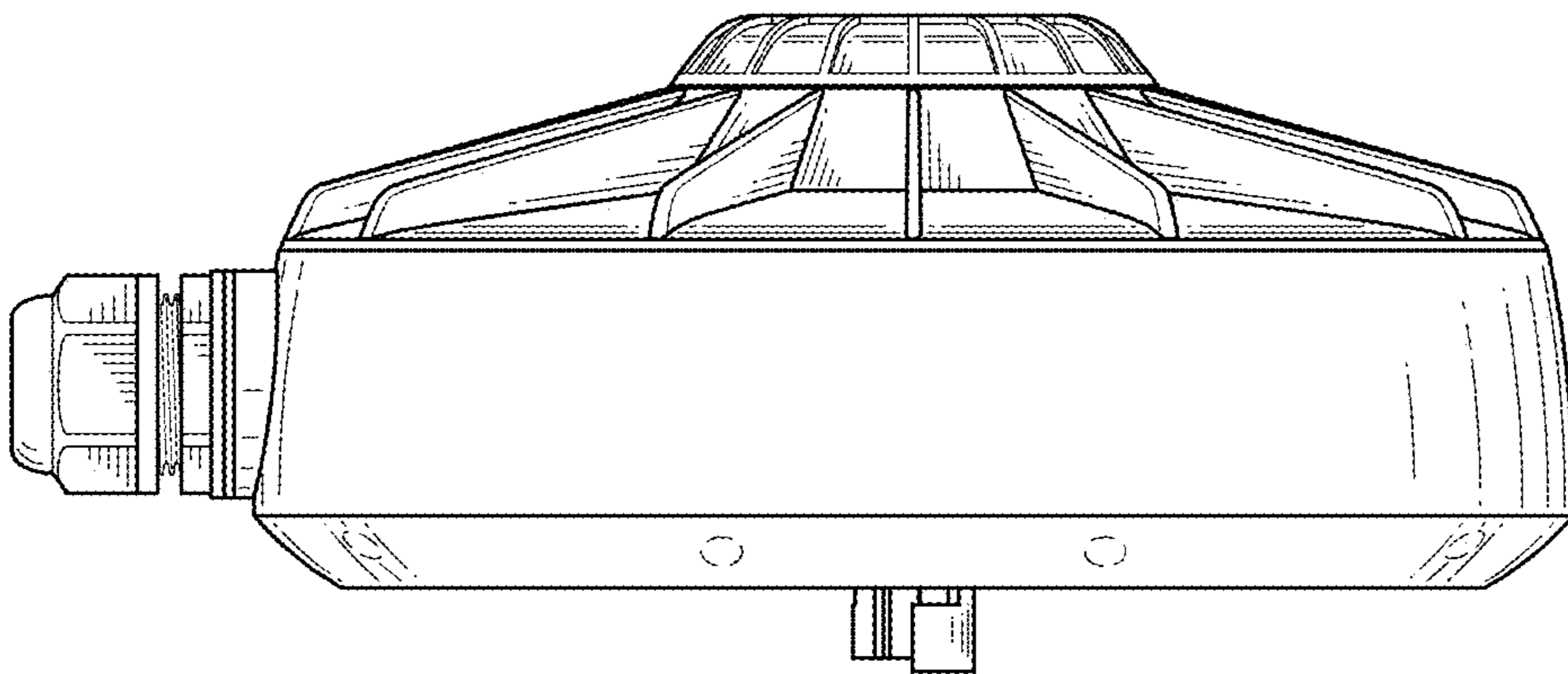


FIG. 8

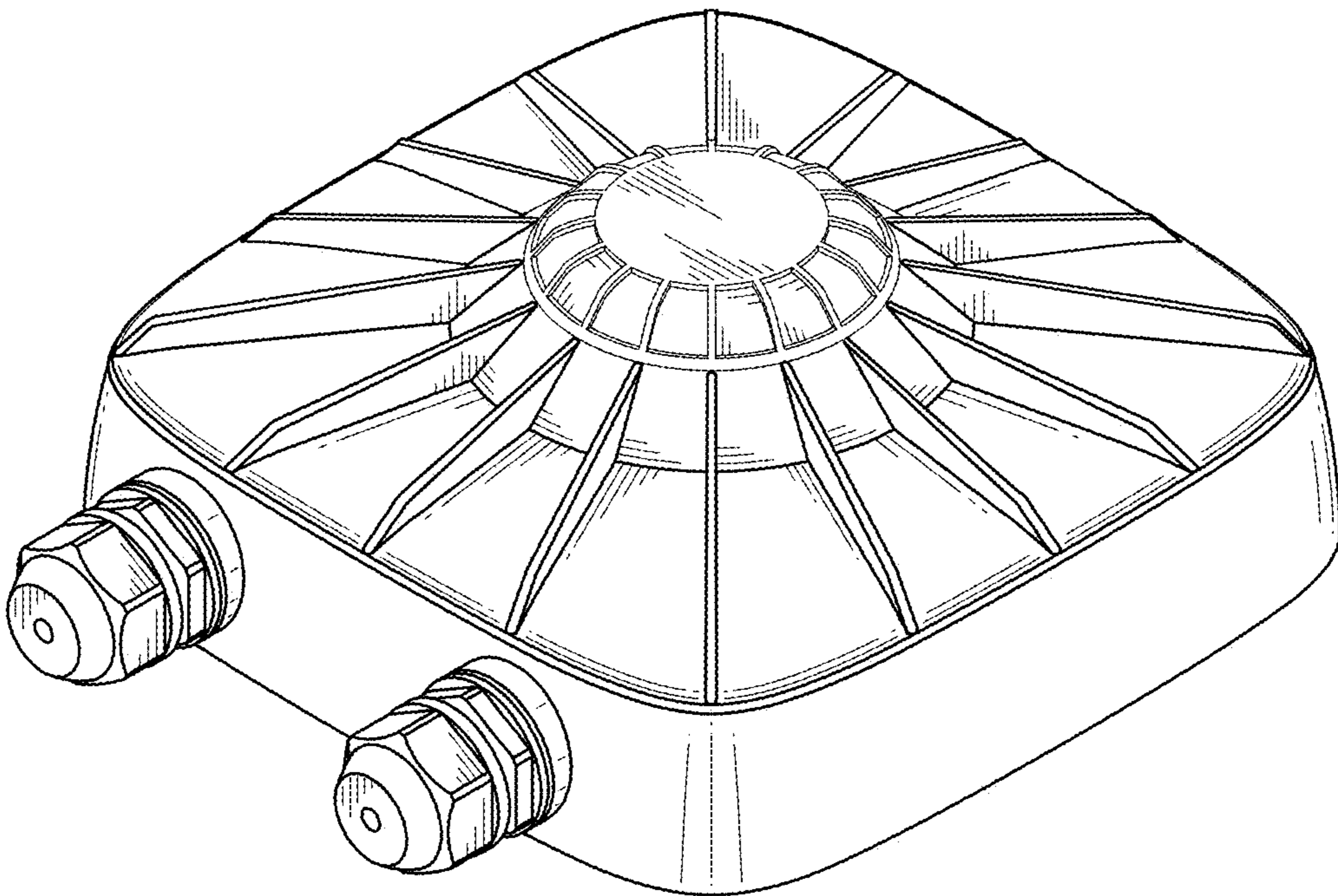


FIG. 9

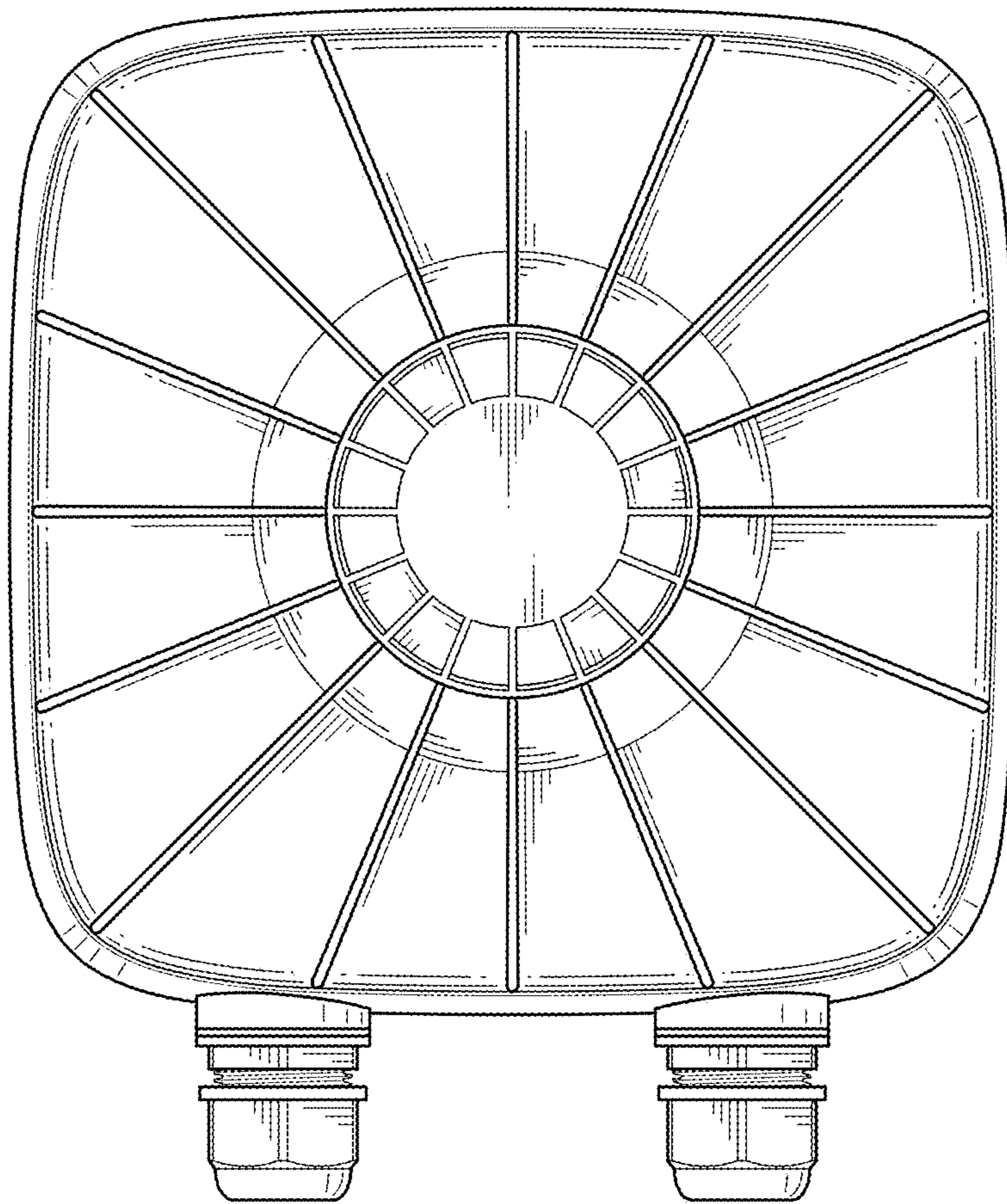


FIG. 10

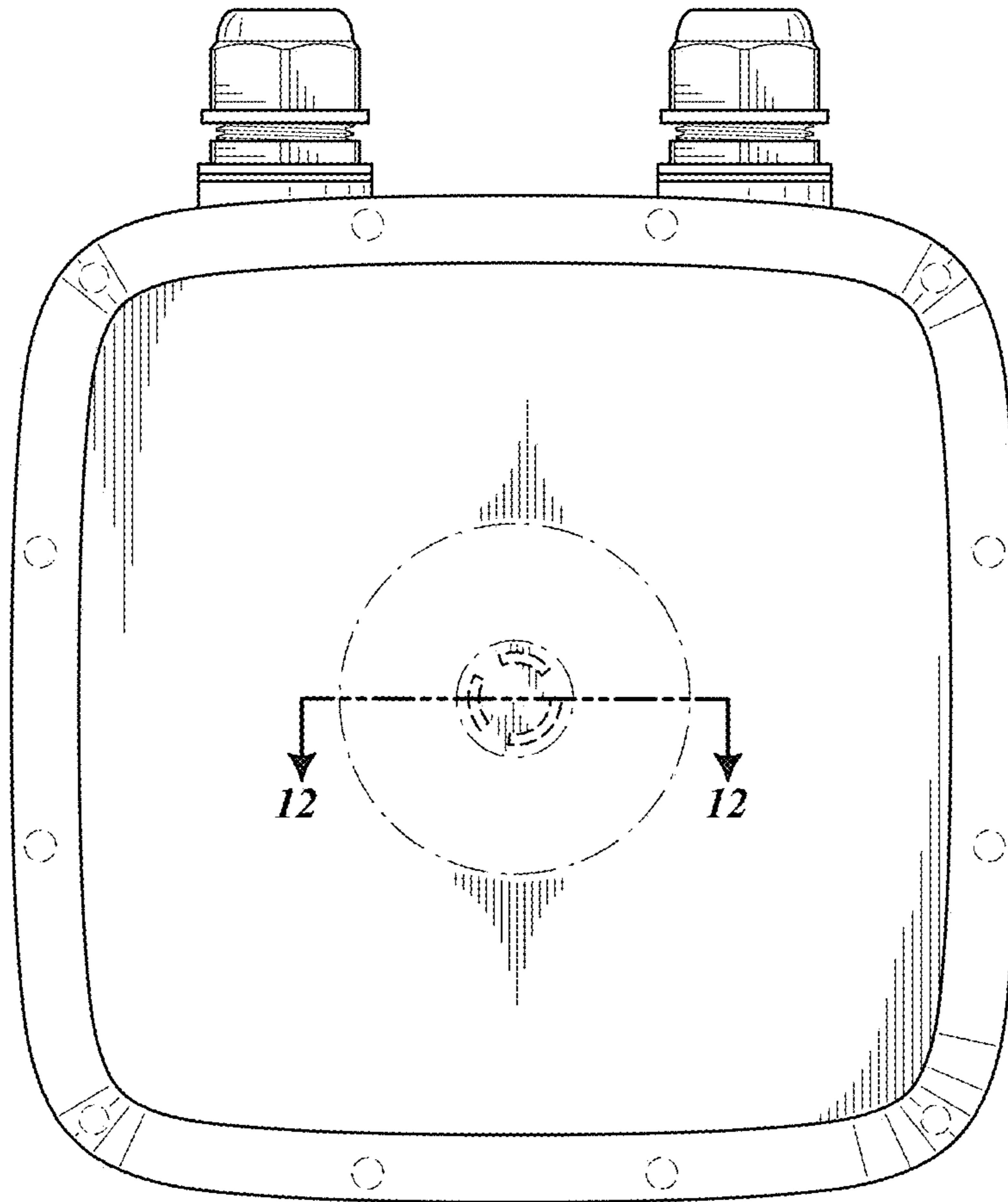


FIG. 11

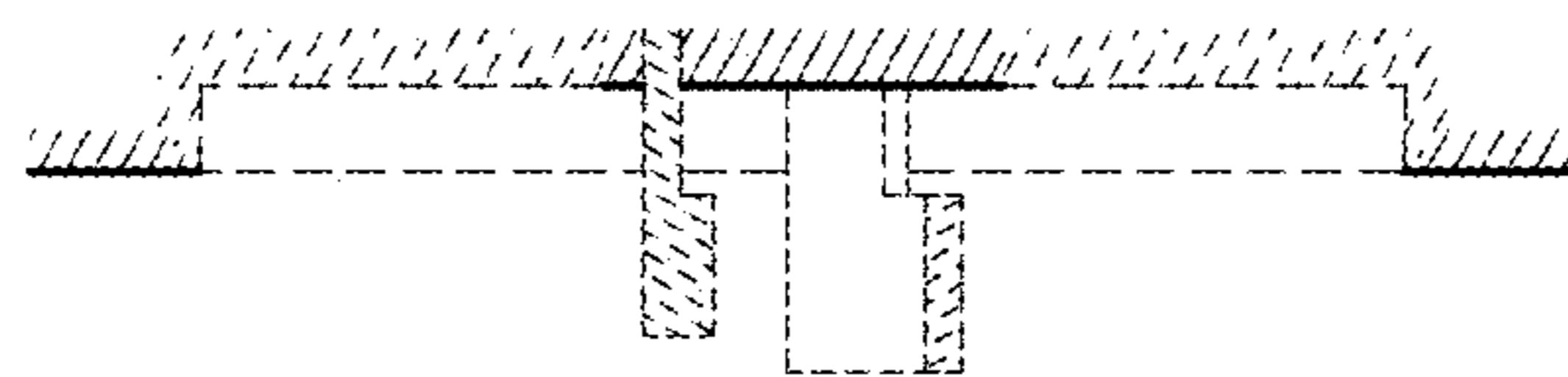


FIG. 12

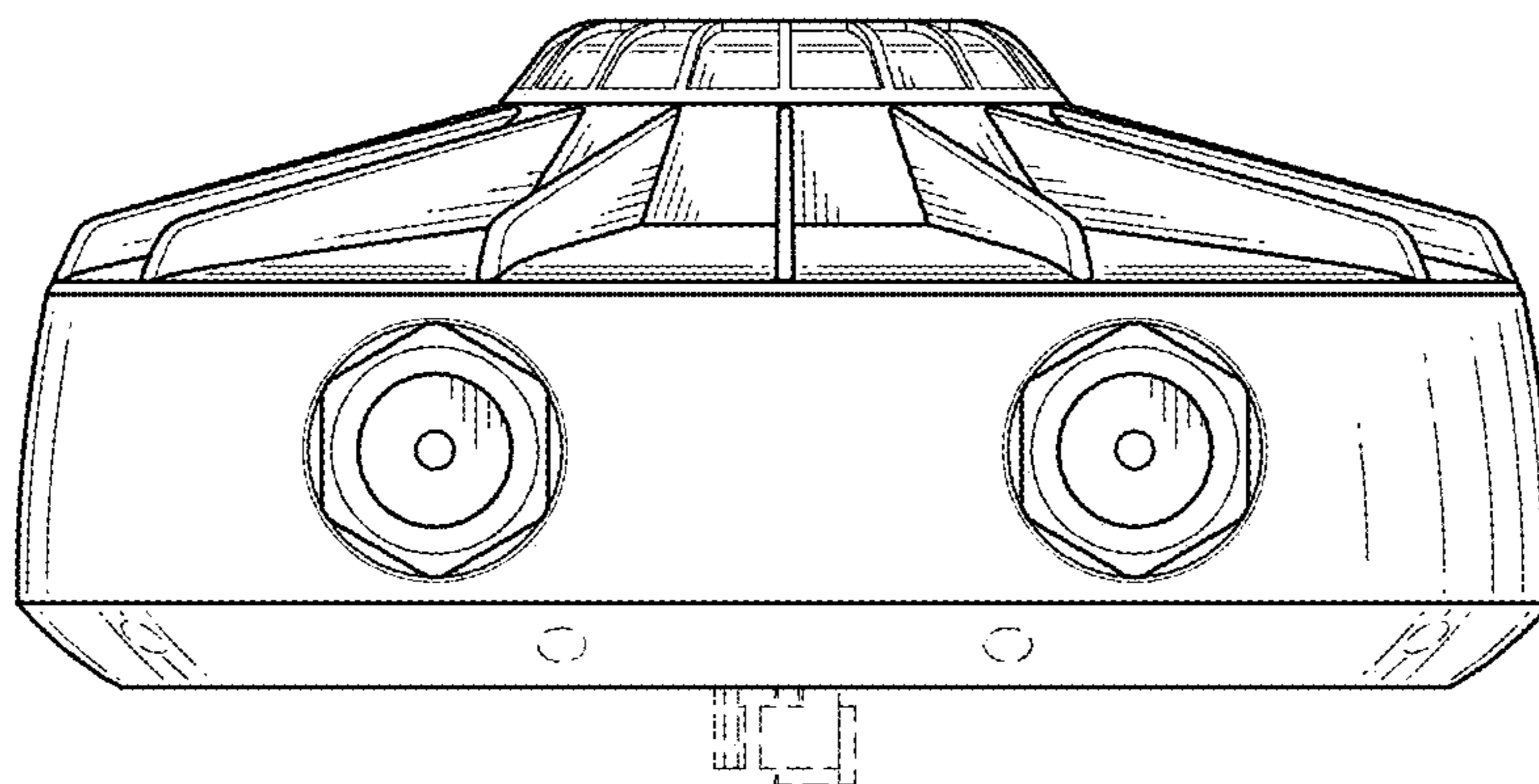


FIG. 13

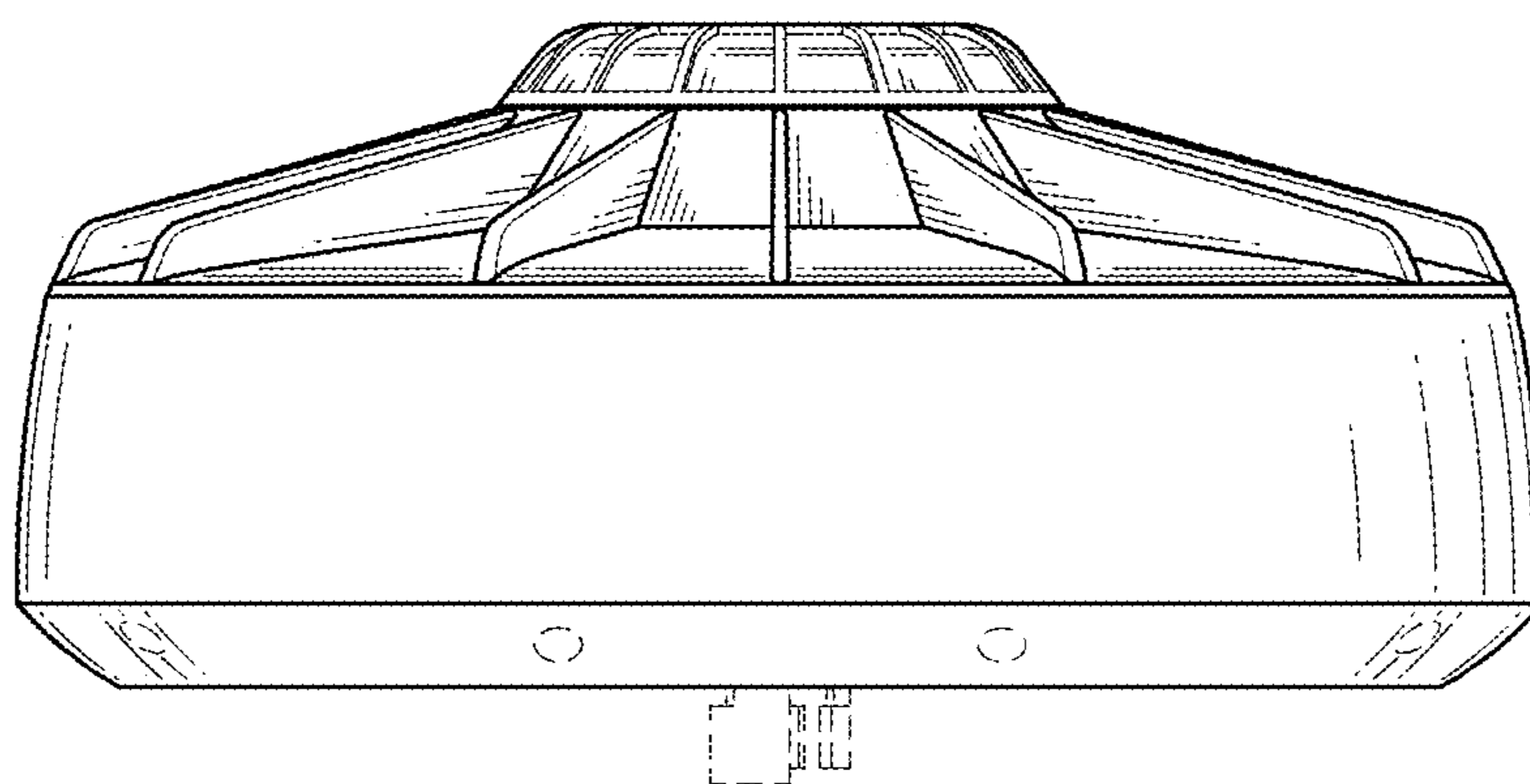


FIG. 14

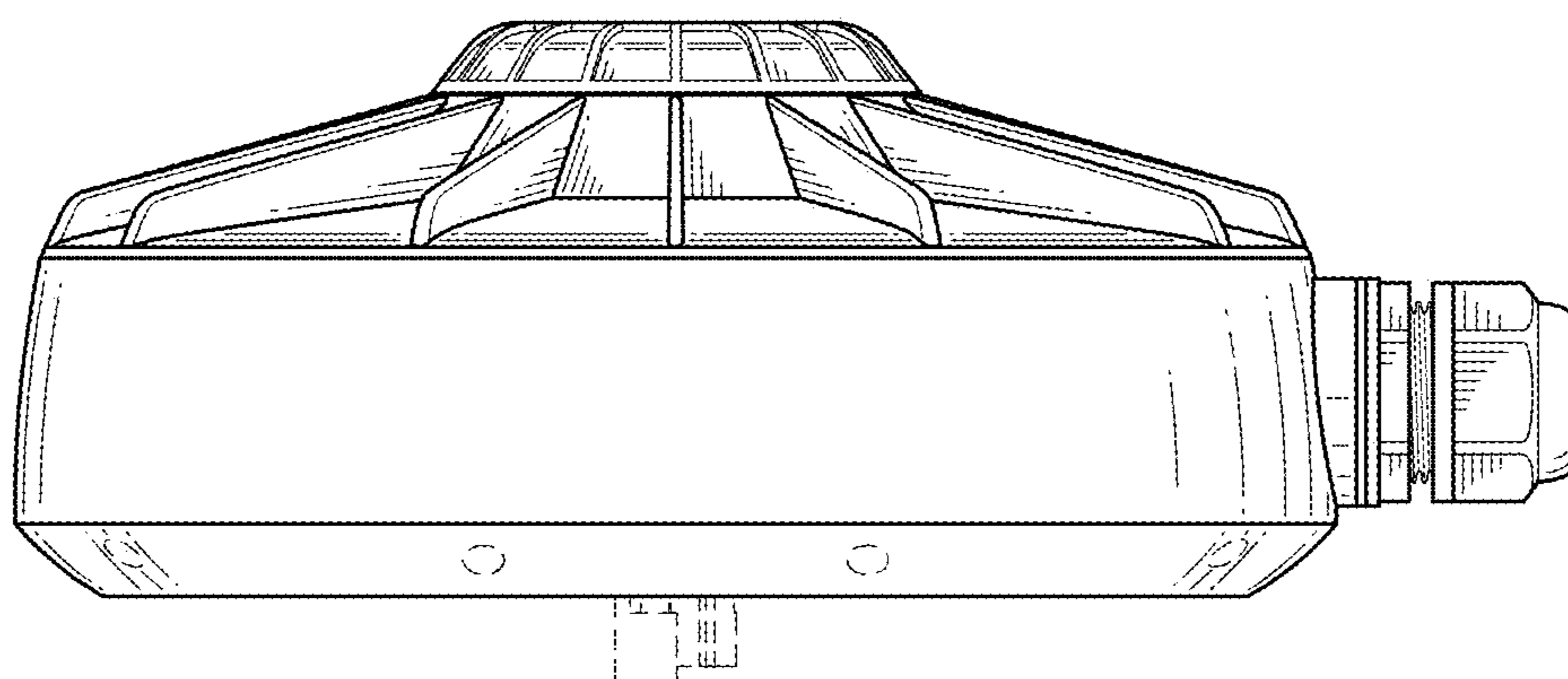


FIG. 15

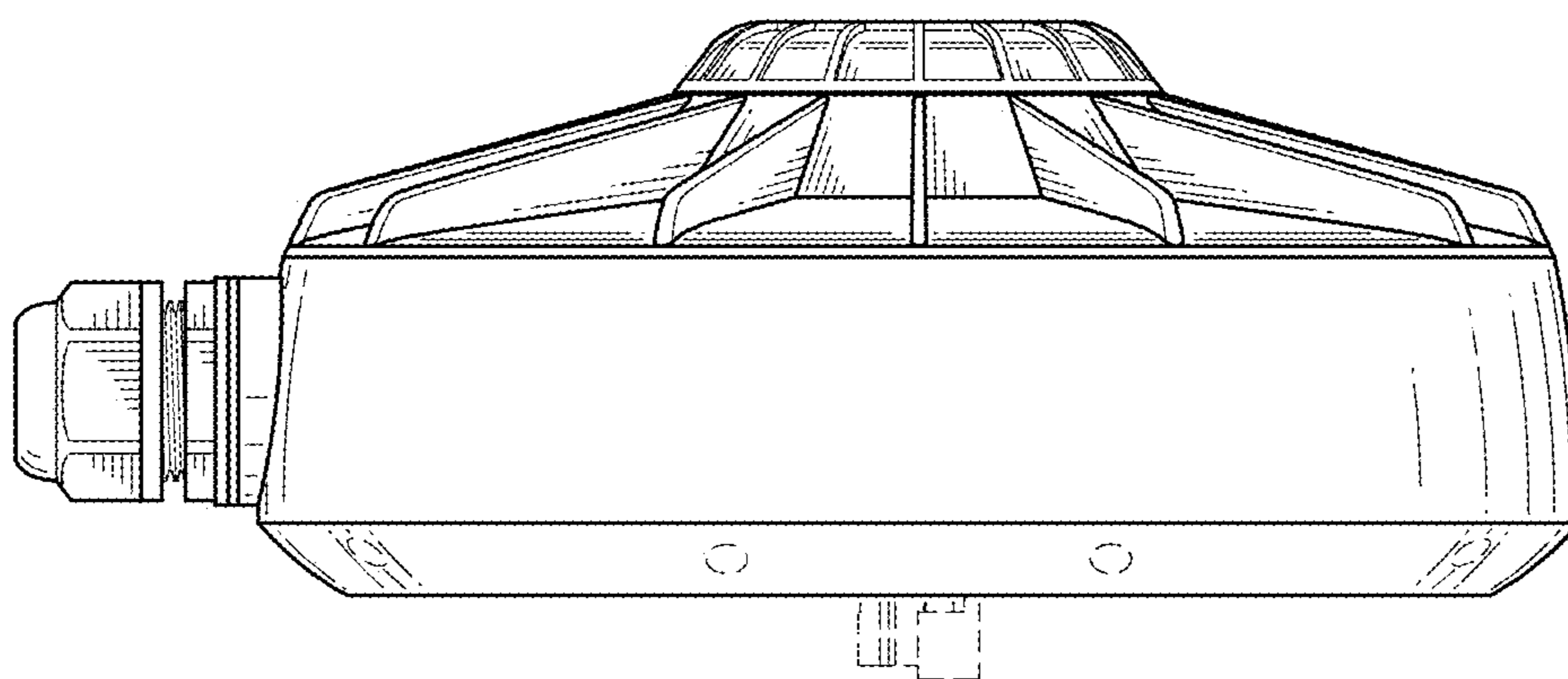


FIG. 16