



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

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(54) **SCANNING DEVICE**

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

(21) Appl. No.: **29/664,623**

(22) Filed: **Sep. 26, 2018**

(51) **LOC (12) Cl.** ..... **10-04**

(52) **U.S. Cl.**  
USPC ..... **D10/63**

(58) **Field of Classification Search**

USPC ..... D10/63; D15/199  
CPC .. G01B 21/047; G01B 21/042; G01B 21/145;  
G01B 5/012; G01B 5/016; G01B 5/008;  
G01B 11/03; G01B 11/005; G01B 5/004;  
G05B 19/00; G05B 19/407; G05B  
2219/36452; G05B 2219/36479; G05B  
2219/37193; G05B 2219/3744  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,972,090	A	11/1990	Eaton	
5,528,505	A	6/1996	Granger et al.	
5,757,499	A	5/1998	Eaton	
5,829,148	A	11/1998	Eaton	
D423,599	S *	4/2000	Au Yeung	..... D10/46.1
6,598,306	B2	7/2003	Eaton	
6,817,108	B2	11/2004	Eaton	
7,003,892	B2	2/2006	Eaton et al.	

(Continued)

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(57) **CLAIM**

The ornamental design for a scanning device, as shown and described.

**DESCRIPTION**

FIG. 1 is a front-top-side perspective view of a scanning device showing our new design in accordance with a first embodiment of the invention.

FIG. 2 is a rear-top-side perspective view thereof.

FIG. 3 is a rear view thereof.

FIG. 4 is a front view thereof.

FIG. 5 is a top view thereof.

FIG. 6 is a bottom view thereof.

FIG. 7 is a left side view thereof. The right side view is a mirror image of the left side view.

FIG. 8 is a rear-bottom-side perspective view thereof.

FIG. 9 is a front-top-side perspective view of a scanning device showing our new design in accordance with a second embodiment of the invention.

FIG. 10 is a rear-top-side perspective view thereof.

FIG. 11 is a rear view thereof.

FIG. 12 is a front view thereof.

FIG. 13 is a top view thereof.

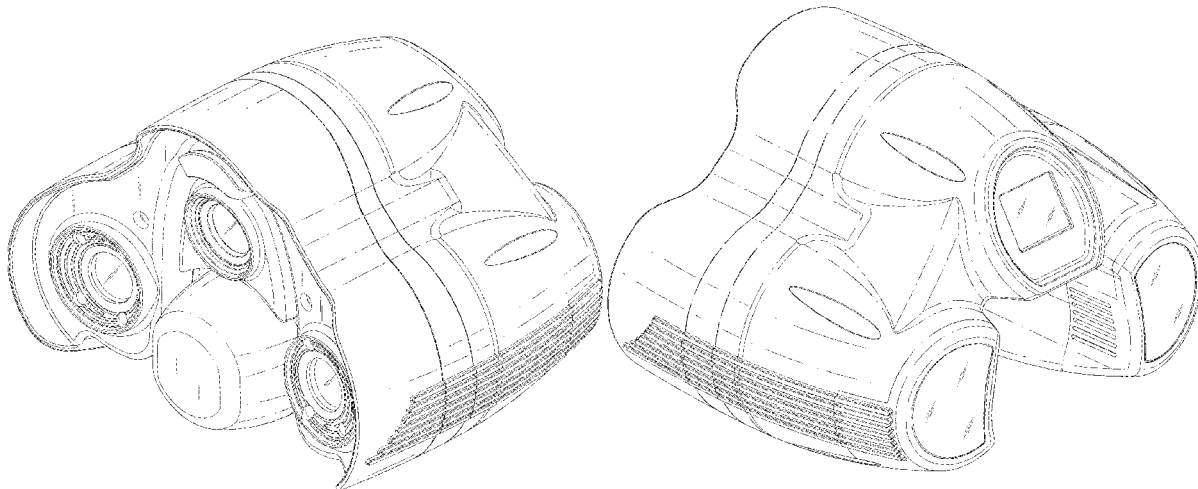
FIG. 14 is a bottom view thereof.

FIG. 15 is a left side view thereof. The right side view is a mirror image of the left side view; and,

FIG. 16 is a rear-bottom-side perspective view thereof.

The broken lines, where shown, are for illustrative purposes only and form no part of the claimed design. However, in embodiments other than those illustrated, lines that are currently illustrated as broken may be redrawn as solid lines, and lines that are currently illustrated as solid may be redrawn as broken lines. The scope of the present disclosure encompasses all lines illustrated, whether broken or solid.

**1 Claim, 16 Drawing Sheets**



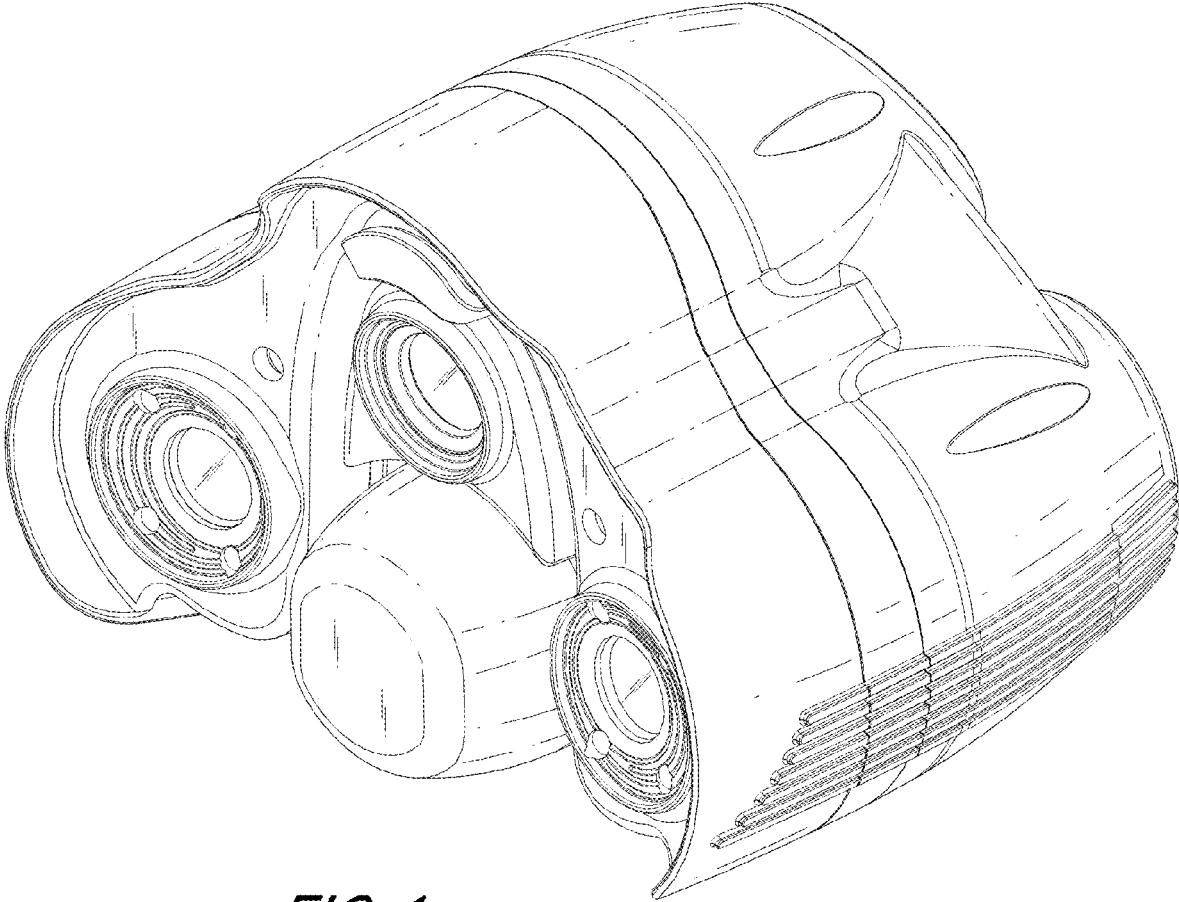
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## References Cited

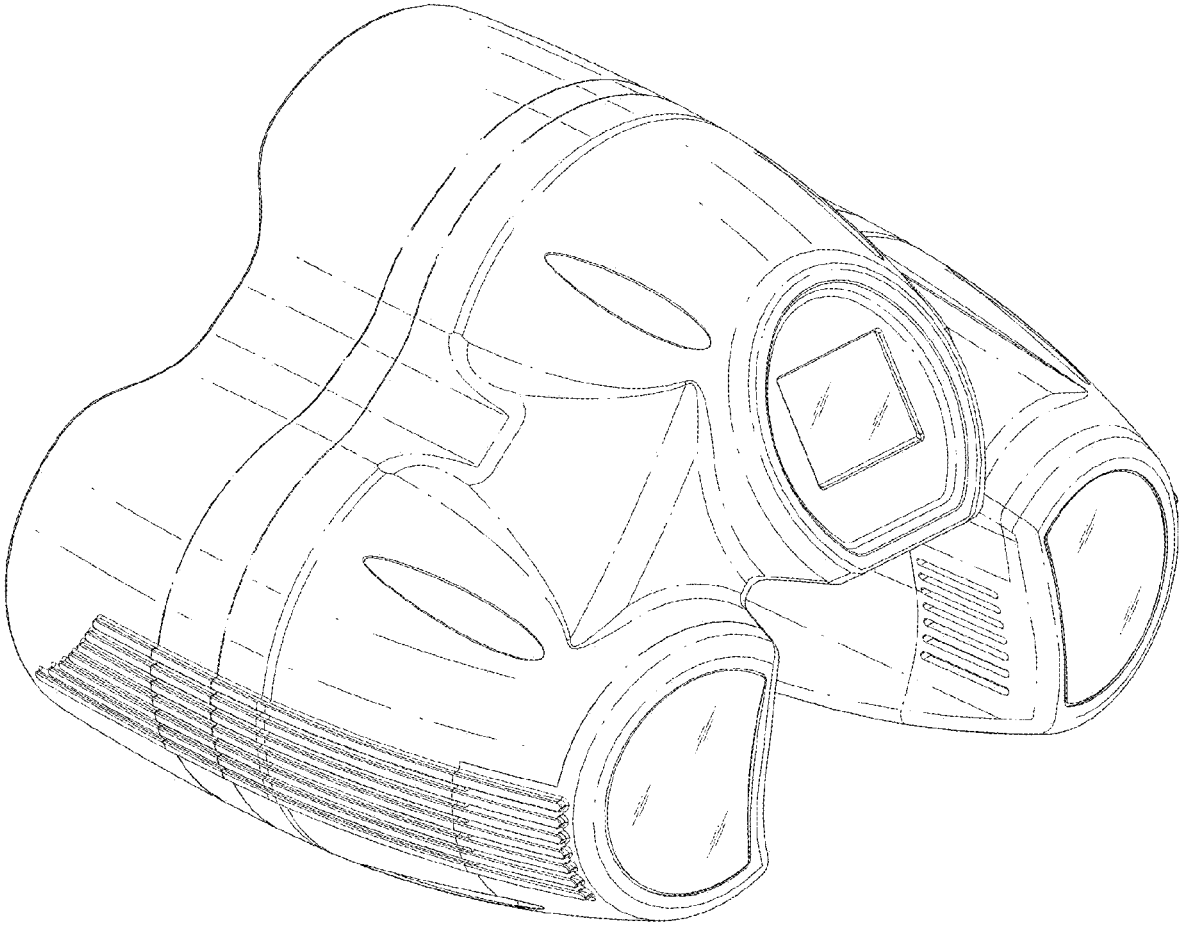
## U.S. PATENT DOCUMENTS

7,152,456	B2	12/2006	Eaton	9,360,301	B2	6/2016	Bridges et al.
7,246,030	B2	7/2007	Raab et al.	9,448,059	B2	9/2016	Bridges et al.
7,441,341	B2	10/2008	Eaton	9,453,717	B2	9/2016	Bridges
7,519,493	B2	4/2009	Atwell et al.	9,482,514	B2	11/2016	Bridges
7,525,276	B2	4/2009	Eaton	9,482,529	B2	11/2016	Becker et al.
7,546,689	B2	6/2009	Ferrari et al.	9,494,412	B2	11/2016	Tohme et al.
7,568,293	B2	8/2009	Ferrari	9,551,558	B2	1/2017	Ferrari et al.
7,578,069	B2	8/2009	Eaton	9,594,250	B2	3/2017	Tait et al.
D599,226	S	9/2009	Gerent et al.	9,599,455	B2	3/2017	Heidemann et al.
7,624,510	B2	12/2009	Ferrari	9,602,811	B2	3/2017	Hillebrand et al.
7,640,674	B2	1/2010	Ferrari et al.	9,607,239	B2	3/2017	Bridges et al.
D610,926	S	3/2010	Gerent et al.	9,618,330	B2	4/2017	Ferrari
7,693,325	B2	4/2010	Pulla et al.	9,628,775	B2	4/2017	Bridges et al.
7,743,524	B2	6/2010	Eaton et al.	9,656,390	B2	5/2017	Telling
7,774,949	B2	8/2010	Ferrari	9,671,221	B2	6/2017	Ruhland et al.
7,779,548	B2	8/2010	Ferrari	9,678,211	B2	6/2017	Ossig et al.
7,805,854	B2	10/2010	Eaton	9,686,532	B2	6/2017	Tohme
7,908,757	B2	3/2011	Ferrari	9,693,040	B2	6/2017	Hillebrand et al.
7,984,558	B2	7/2011	Ferrari	9,696,129	B2	7/2017	Tait
D643,319	S	8/2011	Ferrari et al.	9,734,609	B2	8/2017	Pulla et al.
8,015,721	B2	9/2011	Eaton et al.	9,759,540	B2	9/2017	Ferrari et al.
8,082,673	B2	12/2011	Desforges et al.	9,769,463	B2	9/2017	Hillebrand et al.
8,099,877	B2	1/2012	Champ	9,772,173	B2	9/2017	Atwell et al.
8,104,189	B2	1/2012	Tait	9,803,967	B2	10/2017	Tait et al.
8,112,896	B2	2/2012	Ferrari et al.	9,858,682	B2	1/2018	Heidemann et al.
8,122,610	B2	2/2012	Tait et al.	9,879,975	B2	1/2018	Hillebrand et al.
8,123,350	B2	2/2012	Cannell et al.	9,879,976	B2	1/2018	Bridges et al.
8,127,458	B1	3/2012	Ferrari	9,879,983	B2	1/2018	Kaufman et al.
8,151,477	B2	4/2012	Tait	9,909,855	B2	3/2018	Becker et al.
D659,035	S	5/2012	Ferrari et al.	9,910,126	B2	3/2018	Bridges et al.
8,176,646	B2	5/2012	Ferrari	9,915,521	B2	3/2018	Hillebrand et al.
8,201,341	B2	6/2012	Ferrari	9,964,398	B2	5/2018	Becker et al.
8,220,173	B2	7/2012	Tait	9,964,402	B2	5/2018	Tohme et al.
8,229,208	B2	7/2012	Pulla et al.	9,967,545	B2	5/2018	Tohme
8,284,407	B2	10/2012	Briggs et al.	9,989,348	B2	6/2018	Desforges et al.
8,327,555	B2	12/2012	Champ	9,989,357	B2	6/2018	Heidemann et al.
8,336,220	B2	12/2012	Eaton et al.	10,021,379	B2	7/2018	Bridges
8,402,669	B2	3/2013	Ferrari et al.	10,036,627	B2	7/2018	Ferrari et al.
8,407,907	B2	4/2013	Tait	10,060,722	B2	8/2018	Bridges et al.
8,429,828	B2	4/2013	Ferrari	10,070,116	B2	9/2018	Hillebrand et al.
8,438,747	B2	5/2013	Ferrari	10,088,296	B2	10/2018	Hillebrand et al.
8,453,338	B2	6/2013	Ferrari	10,089,415	B2	10/2018	Grau
D687,322	S	8/2013	Ferrari et al.	10,108,829	B2	10/2018	Telling
8,533,967	B2	9/2013	Bailey et al.	10,109,033	B2	10/2018	Becker et al.
8,537,374	B2	9/2013	Briggs et al.	10,119,805	B2	11/2018	Becker et al.
8,572,858	B2	11/2013	Raab et al.	10,126,116	B2	11/2018	Becker et al.
8,683,709	B2	4/2014	York	2009/0243532	A1	10/2009	Eaton
8,701,299	B2	4/2014	Tait	2009/0296105	A1	12/2009	Ferrari et al.
8,707,572	B2	4/2014	Desforges et al.	2011/0112786	A1	5/2011	Desforgets et al.
8,763,267	B2	7/2014	Duportal et al.	2011/0213247	A1	9/2011	Shammas
8,792,709	B2	7/2014	Pulla et al.	2012/0191409	A1	7/2012	Tait et al.
8,832,954	B2	9/2014	Atwell et al.	2016/0129594	A1	5/2016	Telling
8,844,151	B2	9/2014	Ferrari et al.	2016/0349746	A1	12/2016	Grau
8,848,203	B2	9/2014	Bridges et al.	2016/0364874	A1	12/2016	Tohme et al.
8,898,919	B2	12/2014	Bridges et al.	2016/0370171	A1	12/2016	Bridges
8,955,229	B2	2/2015	Ferrari	2017/0054965	A1	2/2017	Raab et al.
8,970,823	B2	3/2015	Heidemann et al.	2017/0094251	A1	3/2017	Wolke et al.
9,041,914	B2	5/2015	Tohme et al.	2017/0186183	A1	6/2017	Armstrong et al.
9,046,360	B2	6/2015	Atwell et al.	2017/0188015	A1	6/2017	Heidemann et al.
9,069,355	B2	6/2015	Tait et al.	2017/0241768	A1	8/2017	Tait et al.
9,091,529	B2	7/2015	Bridges et al.	2017/0248408	A1	8/2017	Ferrari
9,113,154	B2	8/2015	Bridges et al.	2017/0276472	A1	9/2017	Becker et al.
9,115,986	B2	8/2015	Heidemann et al.	2017/0332069	A1	11/2017	Hillebrand et al.
9,151,830	B2	10/2015	Bridges	2018/0023935	A1	1/2018	Atwell et al.
9,163,921	B2	10/2015	Tait et al.	2018/0063510	A1	3/2018	Wolke et al.
9,170,098	B2	10/2015	Gong et al.	2018/0071914	A1	3/2018	Heidemann et al.
9,188,430	B2	11/2015	Atwell et al.	2018/0073850	A1	3/2018	Ferrari et al.
9,207,309	B2	12/2015	Bridges	2018/0164090	A1	6/2018	Hillebrand et al.
9,217,637	B2	12/2015	Geidemann et al.	2018/0172428	A1	6/2018	Bridges et al.
9,228,816	B2	1/2016	Grau	2018/0196116	A1	7/2018	Bridges et al.
9,245,346	B2	1/2016	Bartmann et al.	2018/0224270	A1	8/2018	Wolke et al.
9,250,214	B2	2/2016	Ferrari et al.	2018/0238681	A1	8/2018	Tohme et al.
9,342,890	B2	5/2016	Becker et al.	2018/0240241	A1	8/2018	Armstrong et al.
9,360,290	B2	6/2016	Tait	2018/0274910	A1	9/2018	Heidemann et al.
9,360,291	B2	6/2016	Desforges et al.	2018/0321383	A1	11/2018	Heidemann et al.
				2018/0336690	A1	11/2018	Becker et al.

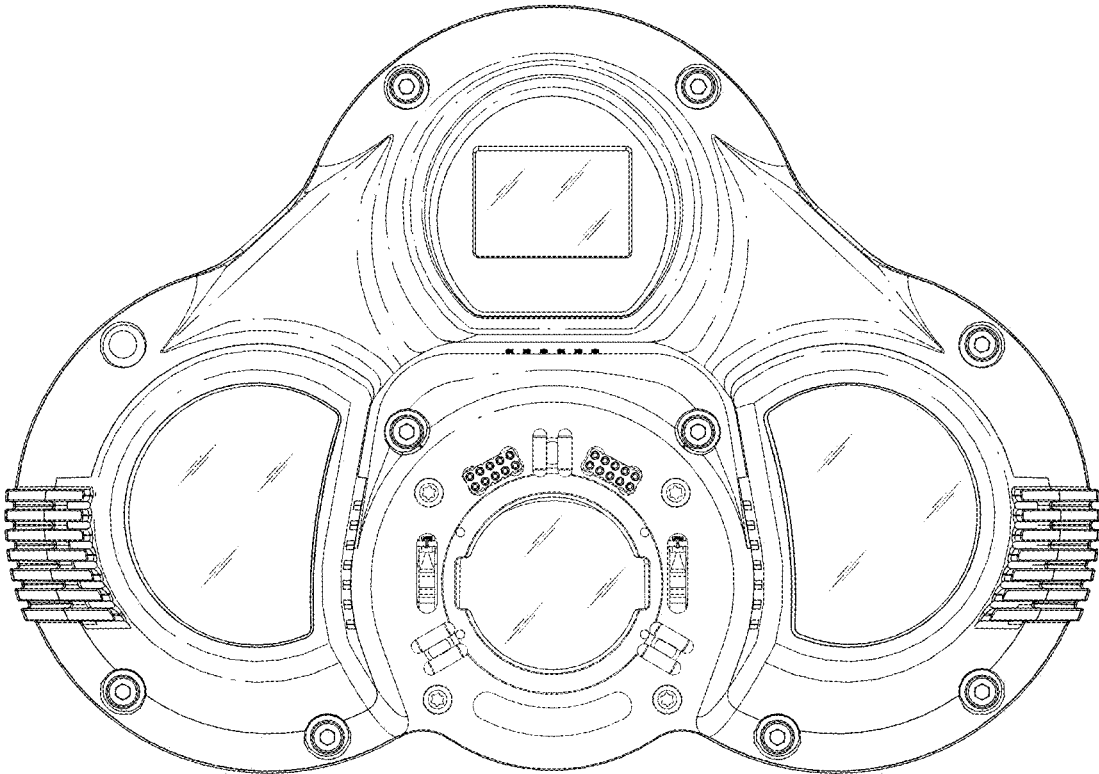
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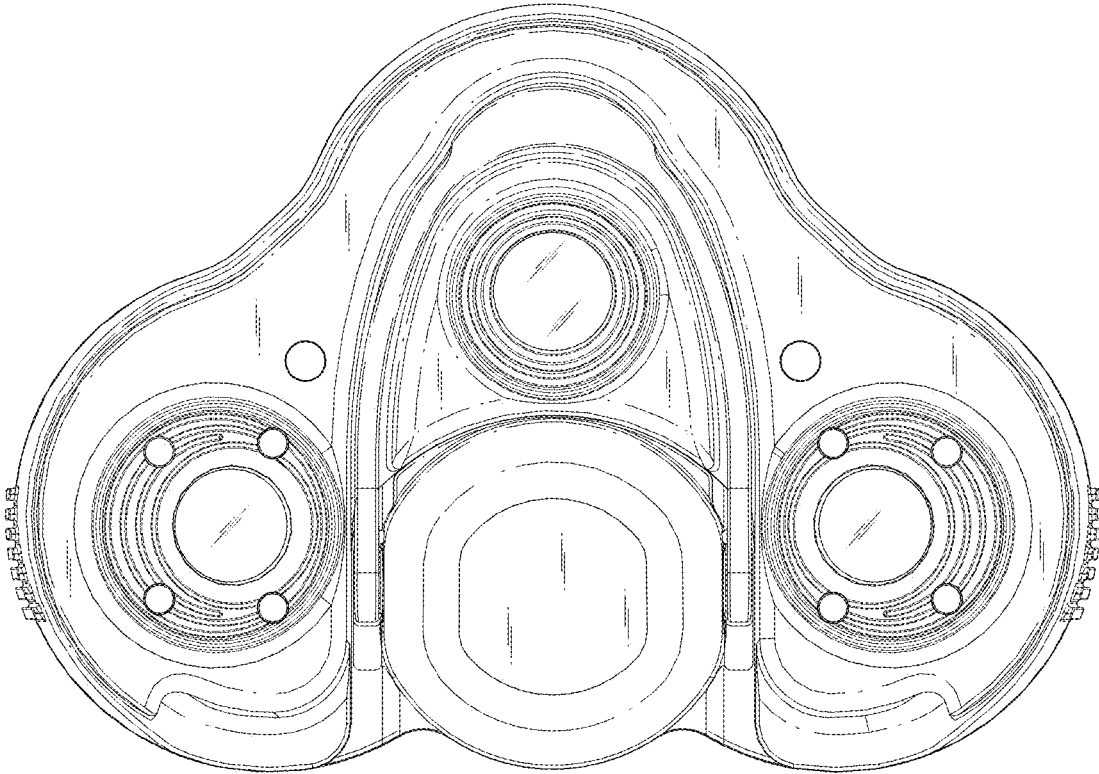
*FIG. 1*



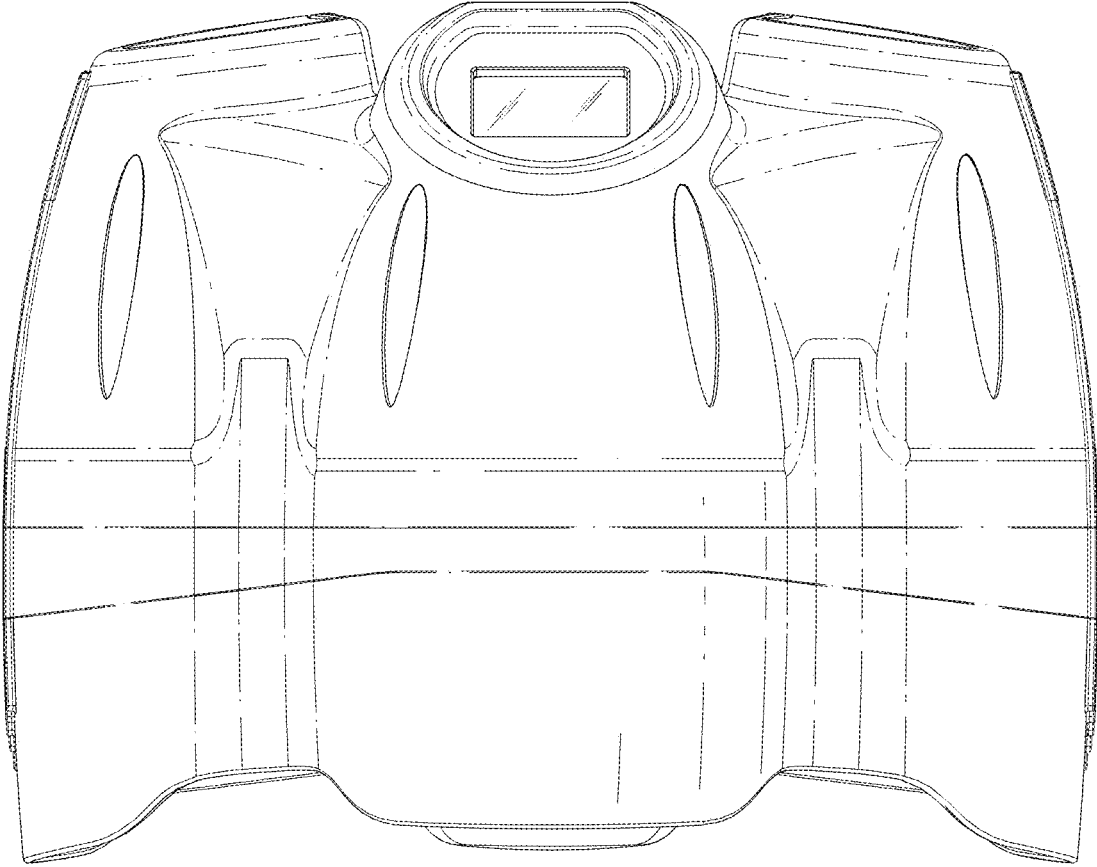
*FIG. 2*



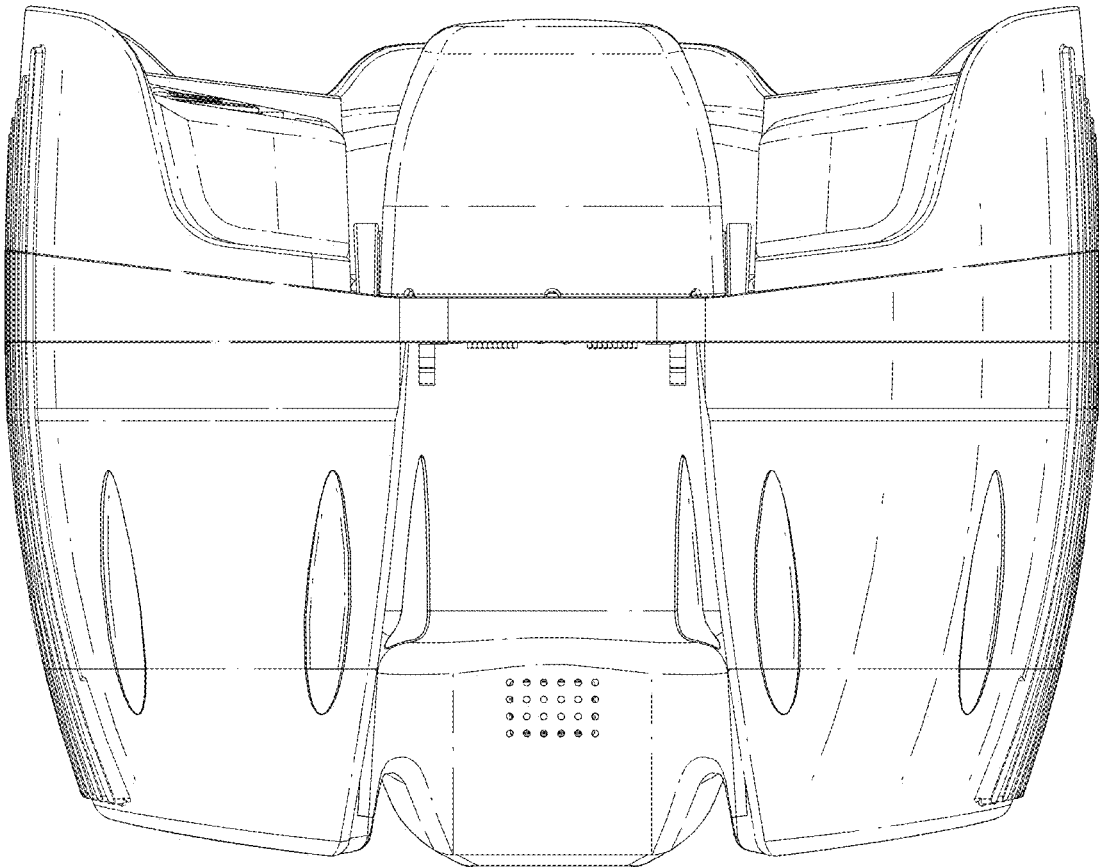
*FIG. 3*



*FIG. 4*

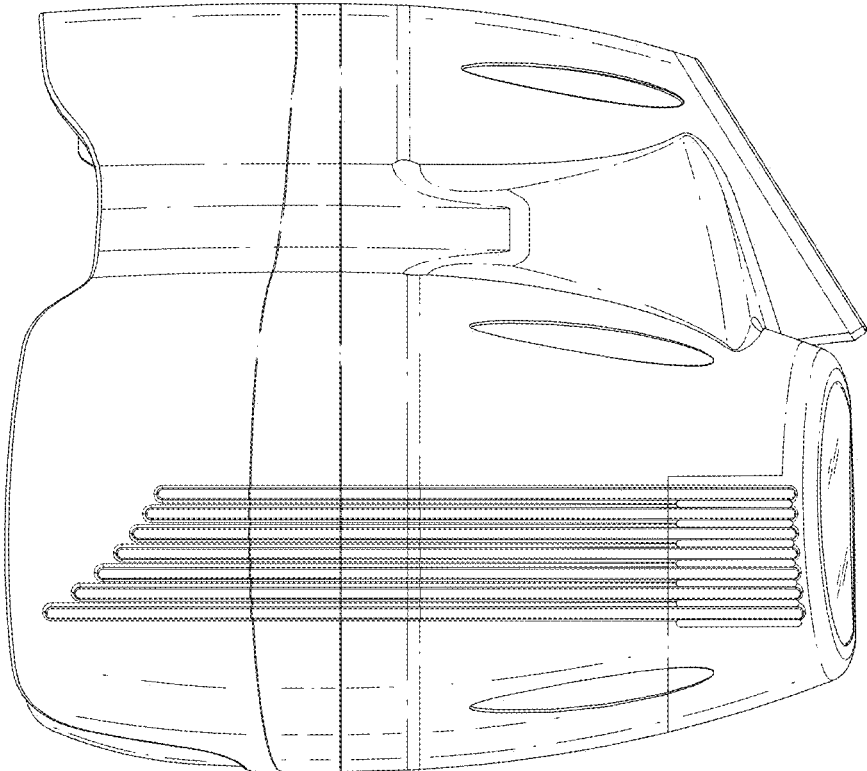


*FIG. 5*

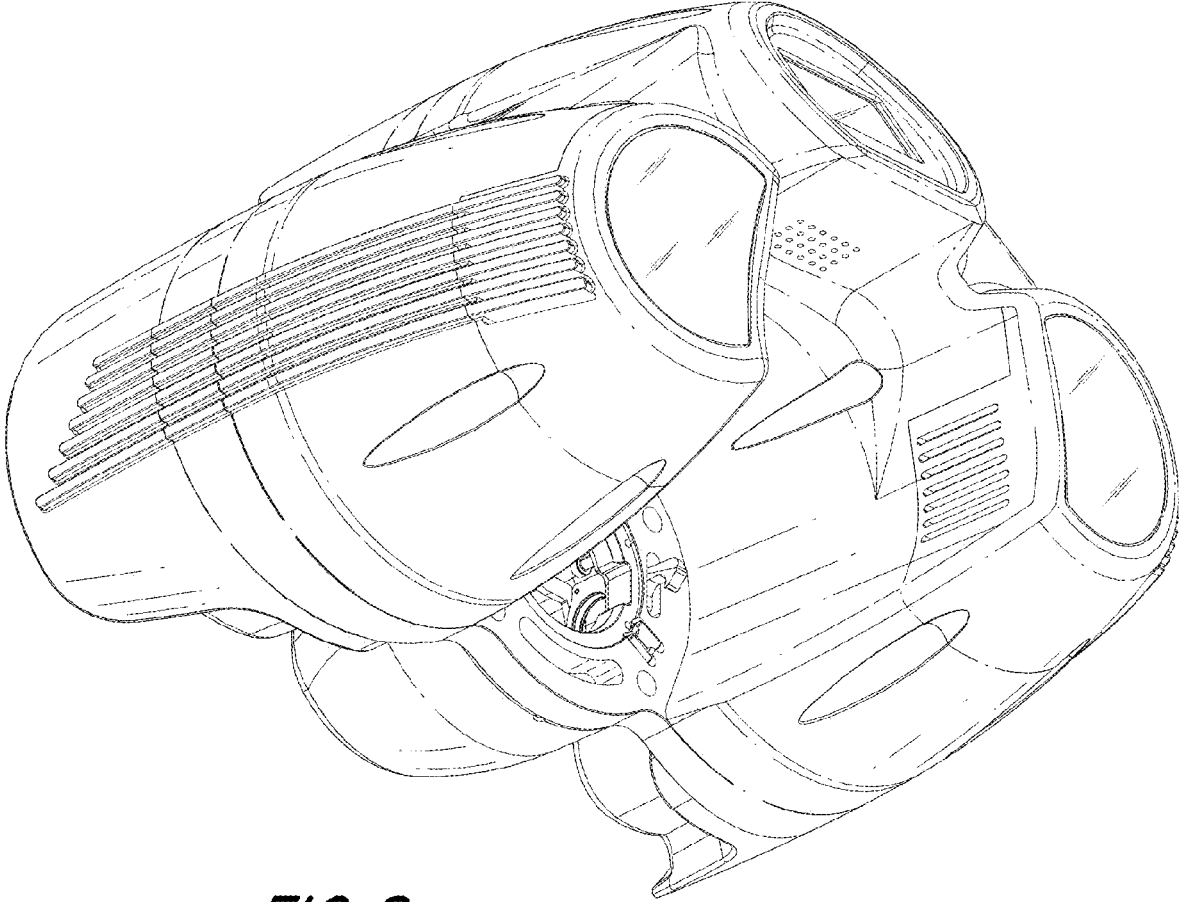


*FIG. 6*

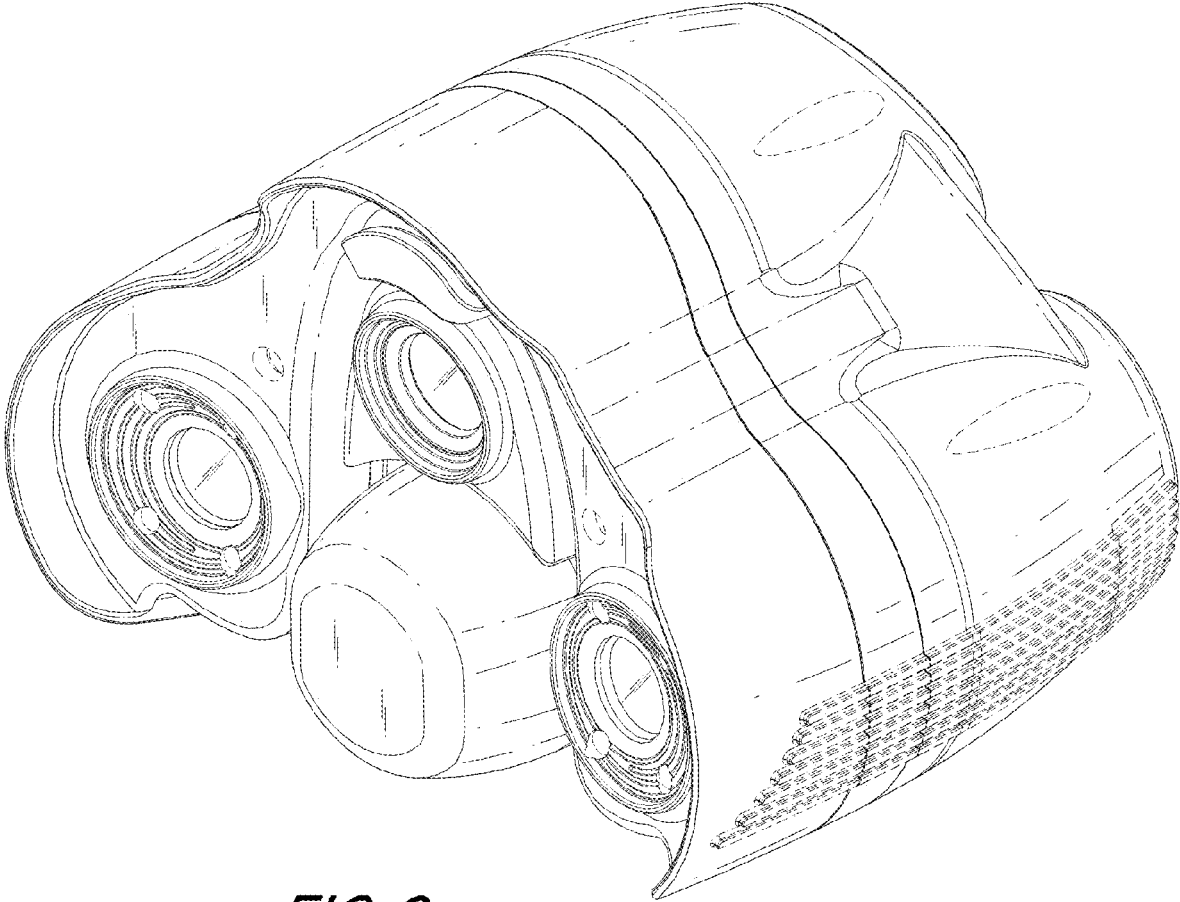




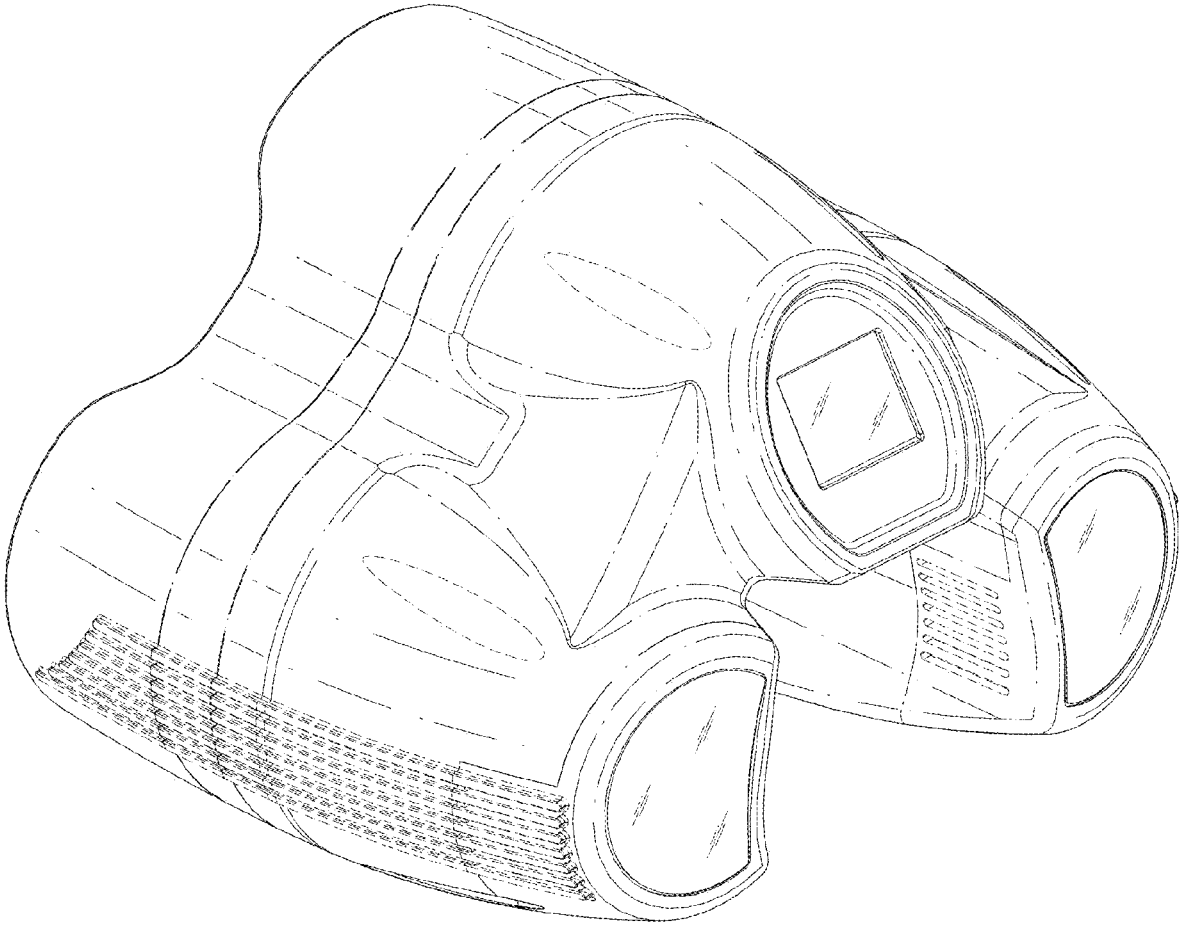
*FIG. 7*



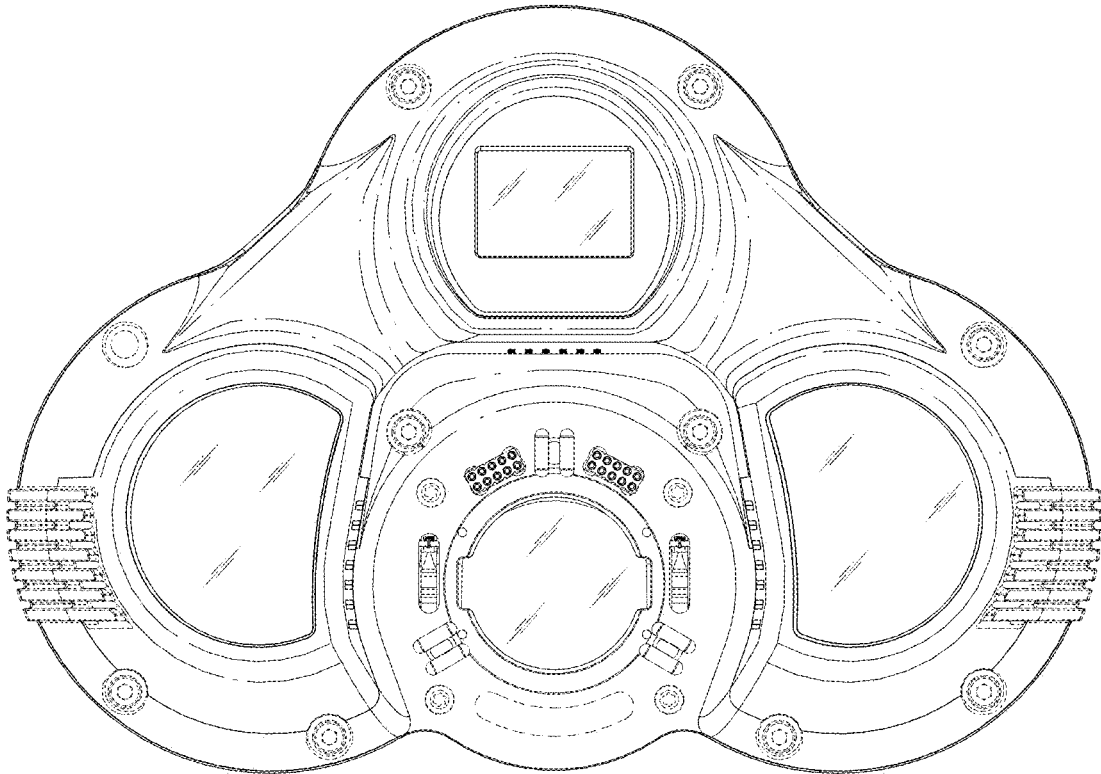
*FIG. 8*



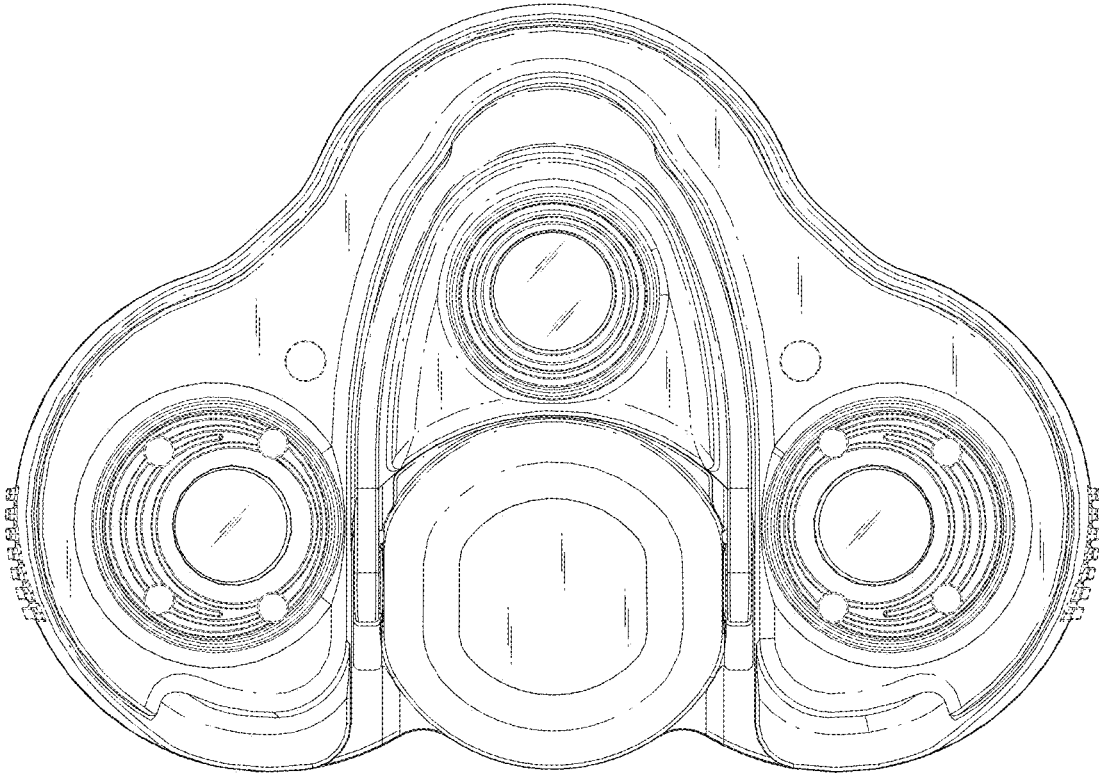
*FIG. 9*



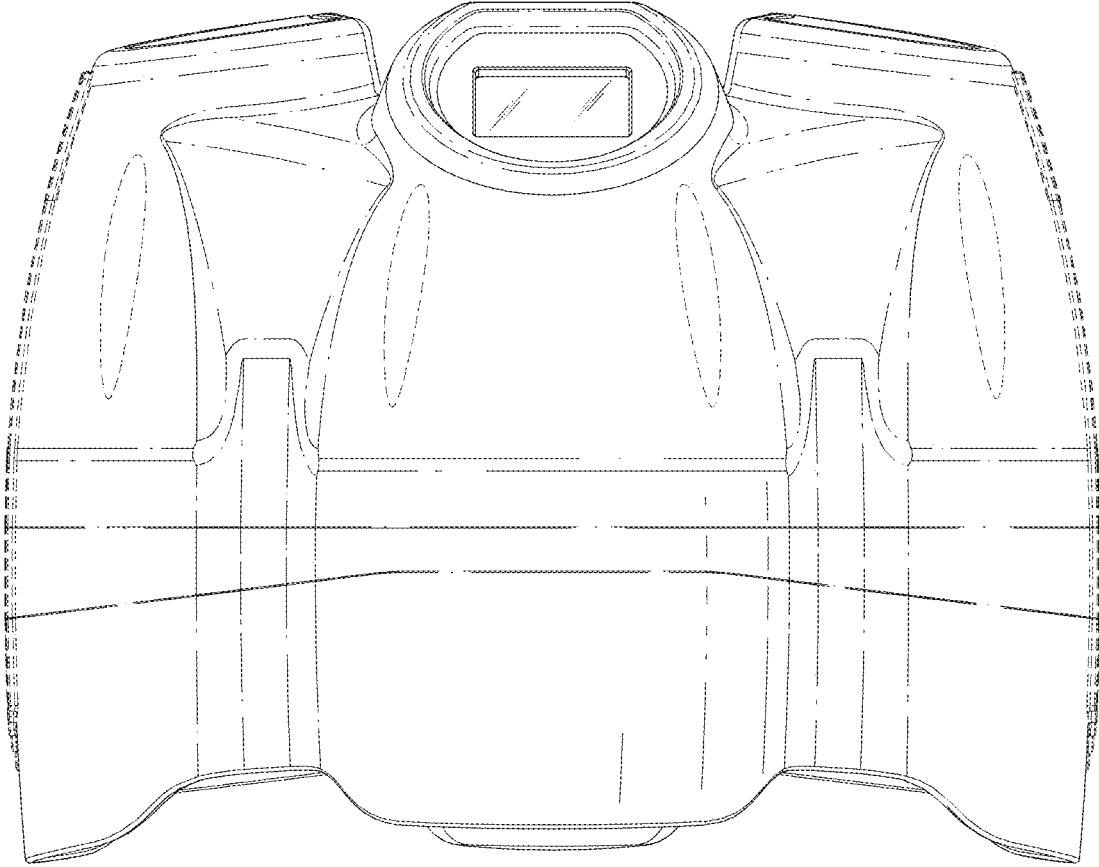
*FIG. 10*



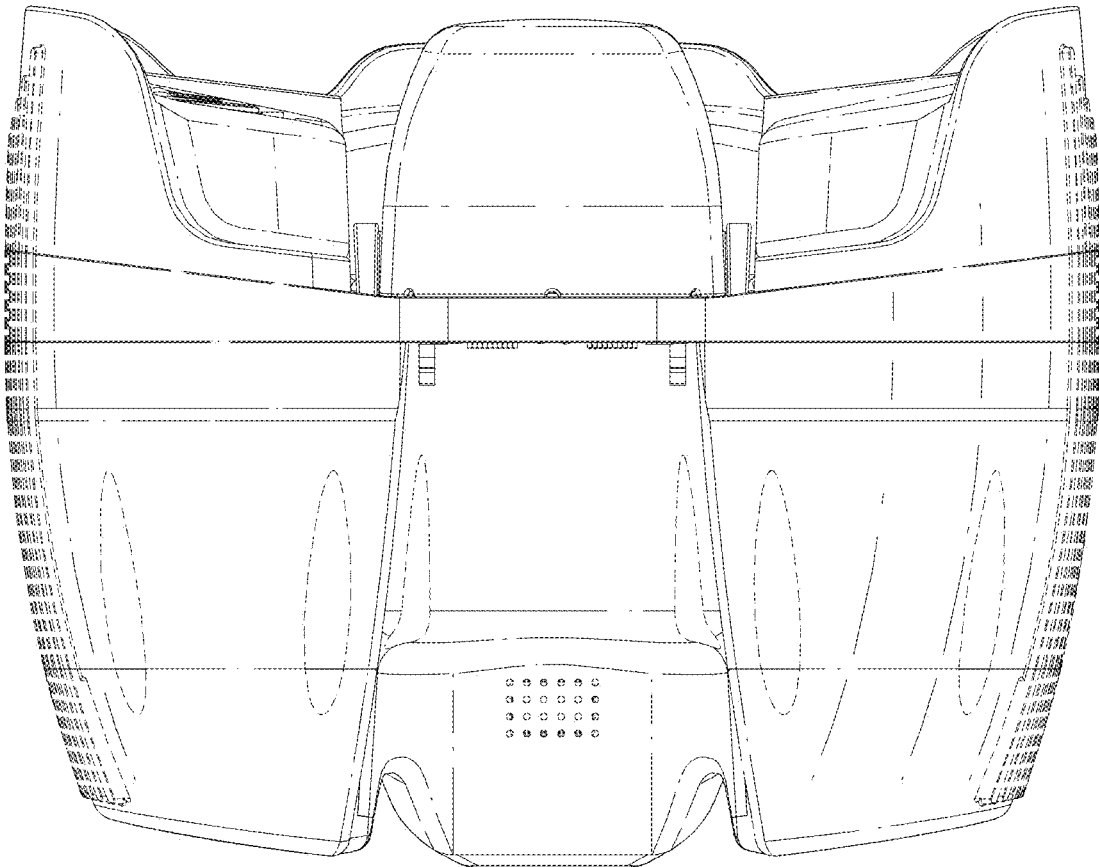
*FIG. 11*



*FIG. 12*

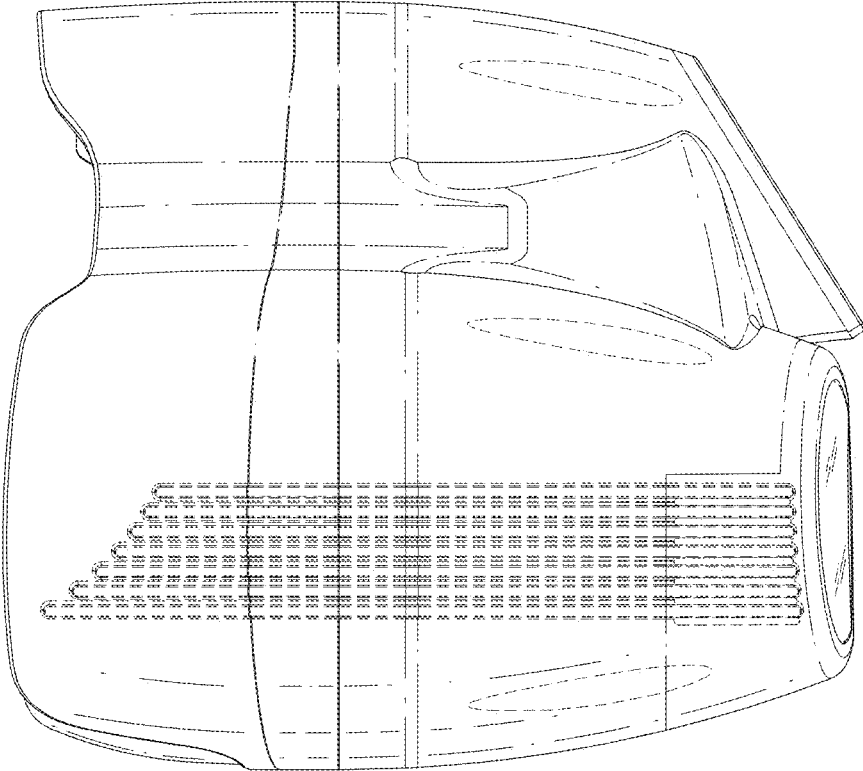


*FIG. 13*

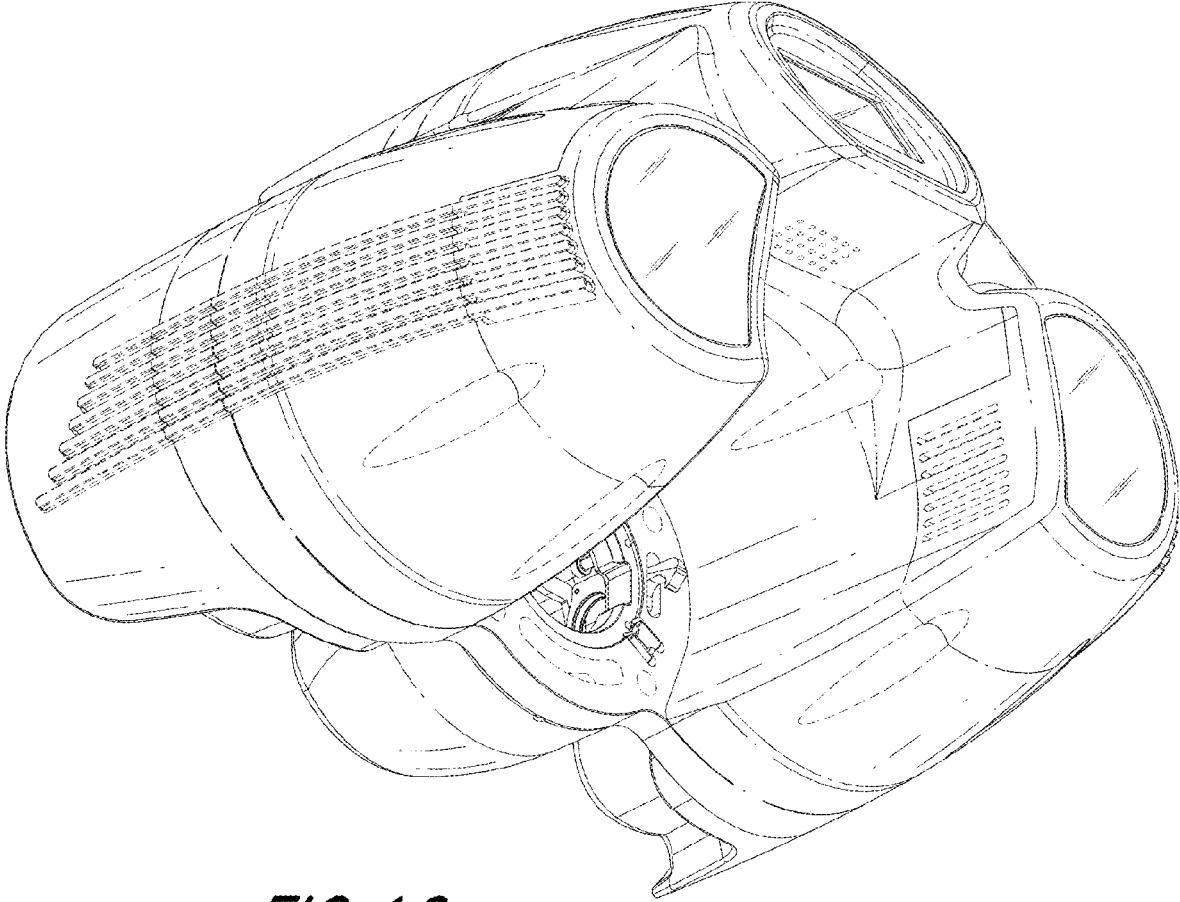


*FIG. 14*





*FIG. 15*



*FIG. 16*