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(12) **United States Design Patent** (10) **Patent No.:** **US D793,297 S**  
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(54) **VEHICLE FRONT LOWER BUMPER**  
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293/102, 113, 115, 117, 120; 296/180.1,  
296/180.2  
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D570,742 S 6/2008 Takagi et al.  
D592,105 S 5/2009 Dean et al.  
D597,447 S 8/2009 Folden  
D600,595 S 9/2009 Nakamura et al.  
D601,925 S 10/2009 O'Donnell  
D603,755 S 11/2009 Peters  
D604,203 S 11/2009 O'Donnell  
D605,082 S 12/2009 Munson  
D605,083 S 12/2009 Manoogian, II et al.  
D605,977 S 12/2009 Zipfel et al.  
D605,978 S 12/2009 Wolff et al.  
D608,249 S 1/2010 Peters

D608,690 S 1/2010 Folden et al.  
D608,691 S 1/2010 Zak, Jr. et al.  
D609,608 S 2/2010 Boniface et al.  
D611,387 S 3/2010 Thompson et al.  
D611,879 S 3/2010 Kim et al.  
D612,297 S 3/2010 Peters et al.  
D613,645 S 4/2010 Song et al.  
D615,458 S 5/2010 Thompson et al.  
D618,595 S 6/2010 Ware et al.  
D623,090 S 9/2010 Cox et al.  
D627,262 S 11/2010 Ikeda et al.  
D635,488 S 4/2011 Phipps  
D644,147 S 8/2011 Suh et al.  
D644,567 S 9/2011 Kozub  
D657,718 S 4/2012 Zipfel et al.  
D659,052 S 5/2012 Ware et al.  
D659,053 S 5/2012 Ware et al.  
D668,182 S 10/2012 Barba Franco et al.  
D668,183 S 10/2012 Smart  
D678,820 S 3/2013 Song et al.  
D678,821 S 3/2013 Ikeda et al.  
D680,909 S 4/2013 Munson et al.  
D680,910 S 4/2013 David

(Continued)

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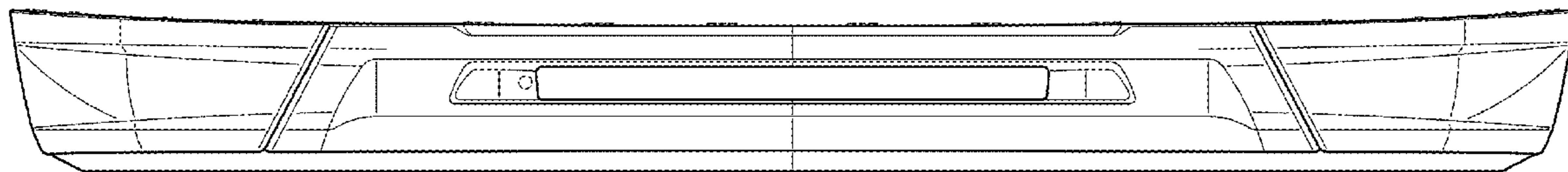
(57) **CLAIM**

The ornamental design for a vehicle front lower bumper, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the vehicle front lower bumper;  
FIG. 2 is a front view thereof;  
FIG. 3 is a side view thereof; and,  
FIG. 4 is a bottom view thereof.  
The broken lines shown in the drawings depict portions of the vehicle front lower bumper that form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D684,899 S	6/2013	Baker	D732,431 S	6/2015	Loeb	
D686,536 S	7/2013	McCabe et al.	D732,432 S	6/2015	Aengenheyster	
D692,798 S	11/2013	Thurber	D732,433 S	6/2015	Aengenheyster	
D692,799 S	11/2013	Smith et al.	D732,435 S	6/2015	Mackay	
D696,157 S	12/2013	Loeb	D733,002 S	6/2015	Loeb	
D699,629 S	2/2014	Ikeda et al.	D735,611 S	8/2015	Aengenheyster	
D700,871 S	3/2014	O'Donnell et al.	D735,627 S	8/2015	Smith	
D703,103 S	4/2014	Lee	D736,451 S	8/2015	Smith	
D704,103 S	5/2014	Mack et al.	D739,306 S	9/2015	McMahan et al.	
D705,132 S	5/2014	Ware et al.	D739,317 S	9/2015	McMahan et al.	
D705,699 S	5/2014	Ware et al.	D741,223 S	10/2015	Kim et al.	
D713,298 S	9/2014	Dyson	D743,309 S	11/2015	Thole et al.	
D713,764 S	9/2014	Ferlazzo et al.	D743,313 S	11/2015	Smith et al.	
D716,696 S	11/2014	Thole et al.	D743,314 S	11/2015	Thole et al.	
D716,706 S	11/2014	Thole et al.	D743,857 S	11/2015	McMahan et al.	
D716,709 S	11/2014	Thole et al.	D744,158 S	11/2015	Willett et al.	
D717,696 S	11/2014	Thole et al.	D745,086 S	12/2015	Finos et al.	
D718,189 S	11/2014	Krieg et al.	D745,719 S	12/2015	Boniface et al.	
D718,683 S	12/2014	Thole et al.	D745,725 S	12/2015	McMahan et al.	
D722,282 S	2/2015	Loeb	D745,726 S	12/2015	McMahan et al.	
D722,533 S	2/2015	Thole et al.	D745,837 S	12/2015	Smith et al.	
D722,534 S	2/2015	Munson et al.	D746,726 S	1/2016	Smith et al.	
D724,510 S	3/2015	McMahan et al.	D746,727 S	1/2016	Smith et al.	
D725,001 S	3/2015	McMahan et al.	D746,728 S	1/2016	Smith et al.	
D726,591 S	4/2015	Jacob	D746,729 S	1/2016	Boniface et al.	
D730,776 S	6/2015	Smart	D746,730 S	1/2016	Kim et al.	
D730,783 S	6/2015	Henriques et al.	D747,514 S	1/2016	McMahan et al.	
D732,427 S	6/2015	Loeb	D747,515 S	1/2016	McMahan et al.	
D732,429 S	6/2015	Loeb	D774,428 S *	12/2016	Davidson .....	D12/169
D732,430 S	6/2015	Loeb	D775,007 S *	12/2016	Thole .....	D12/169
			D777,617 S *	1/2017	Platto .....	D12/169
			D778,213 S *	2/2017	Platto .....	D12/169

\* cited by examiner

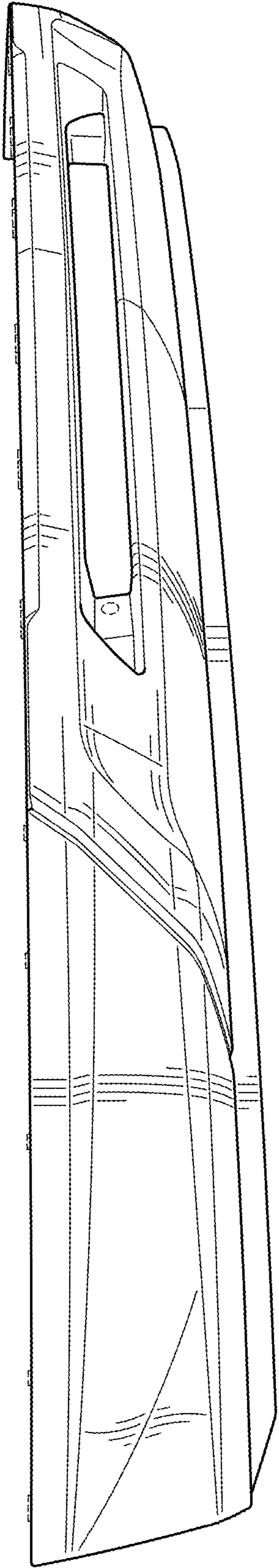


FIG. 1

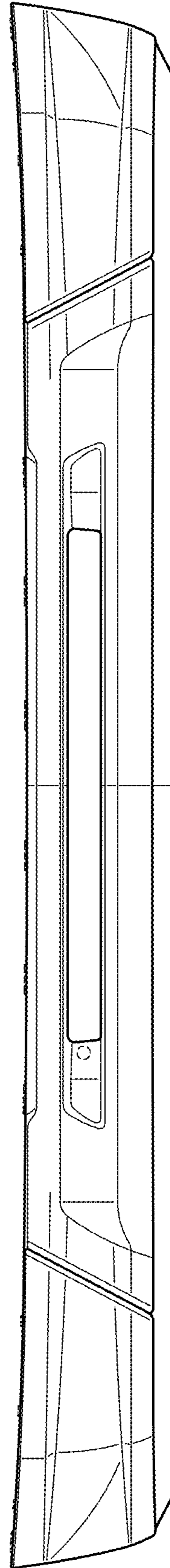


FIG. 2

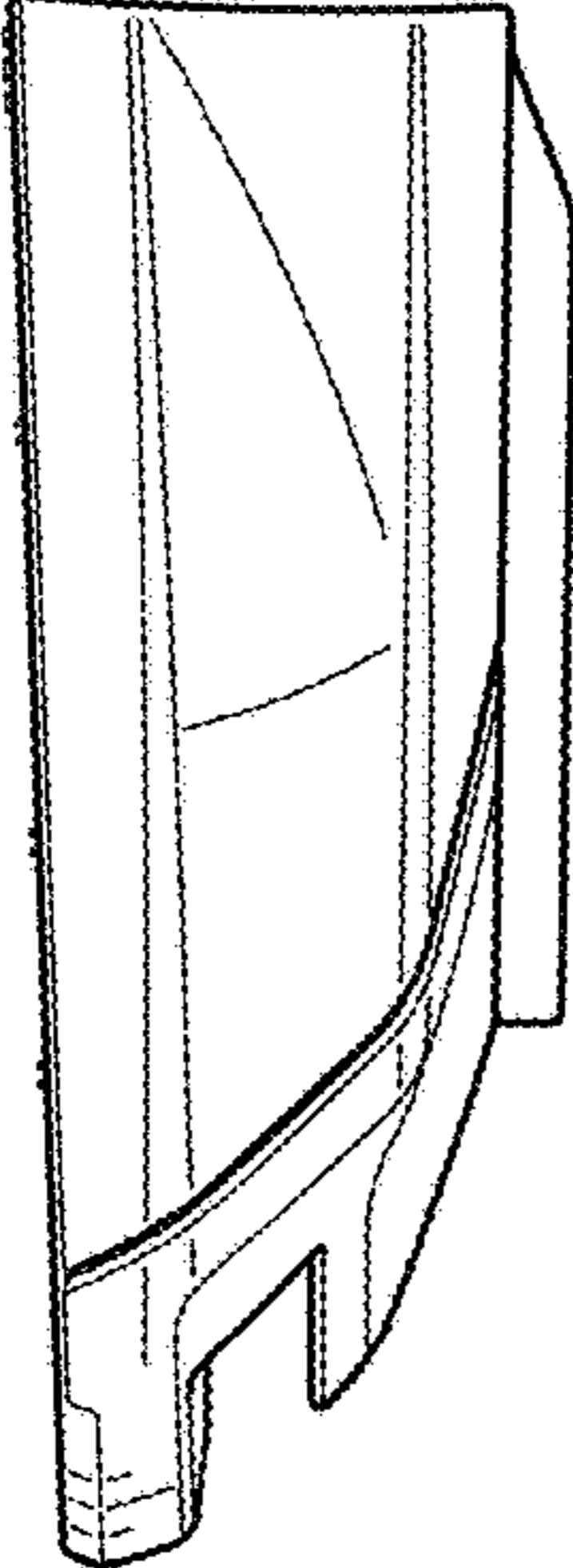


FIG. 3

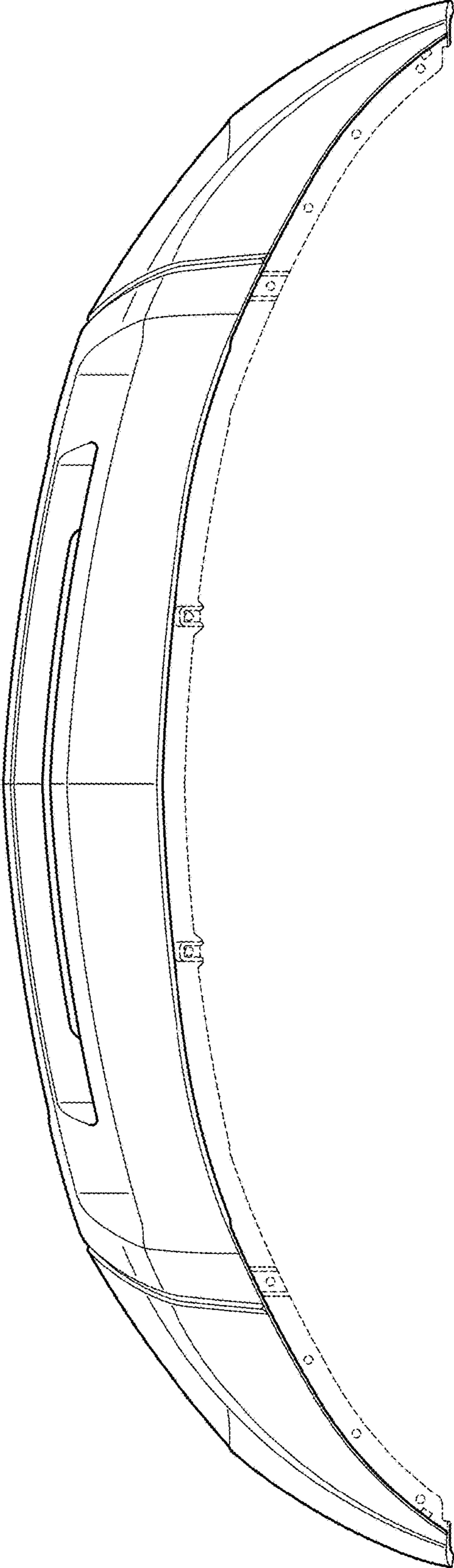


FIG. 4