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

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(54) **VEHICLE REAR LOWER BUMPER**

(71) Applicant: **GM GLOBAL TECHNOLOGY OPERATIONS LLC**, Detroit, MI (US)

(72) Inventors: **Guy W. Whitla**, Rochester Hills, MI (US); **Takahiko Suginoshta**, Rochester Hills, MI (US); **Colin R. Phipps**, Shanghai (CN)

(73) Assignee: **GM Global Technology Operations LLC**, Detroit, MI (US)

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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
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293/102, 113, 115, 117, 120; 296/180.1,  
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CPC ..... B60R 19/02; B60R 19/04; B62D 25/08  
See application file for complete search history.

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.	
D614,545 S *	4/2010	Ono .....	D12/169
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	
D639,215 S *	6/2011	Faghihzadeh .....	D12/169
D640,613 S *	6/2011	Bauer .....	D12/169

(Continued)

*Primary Examiner* — Melody N Brown  
(74) *Attorney, Agent, or Firm* — Reising Ethington P.C.

(57) **CLAIM**

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

**DESCRIPTION**

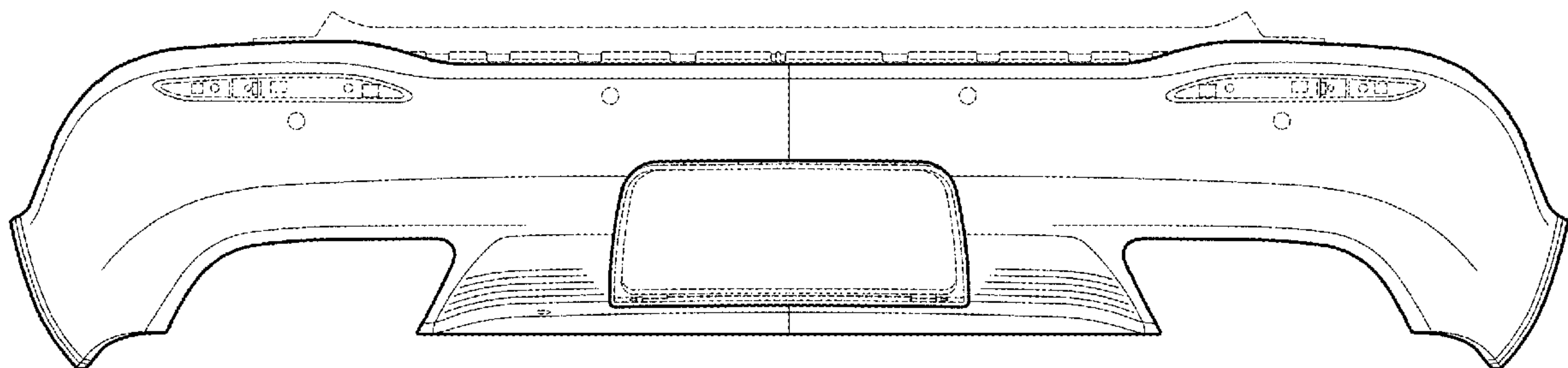
FIG. 1 is a perspective view of a vehicle rear lower bumper showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a left side elevational view thereof, the right side view being a mirror image thereof; and,  
FIG. 4 is a bottom view thereof.  
The broken lines shown in the drawings depict portions of the vehicle rear lower bumper that form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**

(56) **References Cited**

U.S. PATENT DOCUMENTS

D559,744 S *	1/2008	Hieke .....	D12/169
D559,746 S *	1/2008	Hieke .....	D12/169
D570,742 S	6/2008	Takagi et al.	
D578,449 S *	10/2008	Jodo .....	D12/169
D580,834 S *	11/2008	Saridakis .....	D12/169
D592,105 S	5/2009	Dean et al.	
D592,567 S *	5/2009	Saracoglu .....	D12/169
D597,447 S	8/2009	Folden	
D600,176 S *	9/2009	Yamazaki .....	D12/169
D600,595 S	9/2009	Nakamura et al.	
D601,925 S	10/2009	O'Donnell	



(56)

References Cited

U.S. PATENT DOCUMENTS

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	Son et al.	
D678,821 S	3/2013	Ikeda et al.	
D680,909 S	4/2013	Munson et al.	
D680,910 S	4/2013	David	
D683,285 S	* 5/2013	Yoshida	D12/169
D684,899 S	6/2013	Baker	
D686,536 S	7/2013	McCabe et al.	
D692,798 S	11/2013	Thurber	
D692,799 S	11/2013	Smith et al.	
D692,808 S	* 11/2013	Morioka	D12/169
D695,168 S	* 12/2013	Kawasaki	D12/169
D696,157 S	12/2013	Loeb	
D699,629 S	2/2014	Ikeda et al.	
D700,871 S	3/2014	O'Donnell et al.	
D703,103 S	4/2014	Lee	
D704,103 S	5/2014	Mack et al.	
D705,132 S	5/2014	Ware et al.	
D705,140 S	* 5/2014	Kawasaki	D12/169
D705,699 S	5/2014	Ware et al.	
D712,805 S	* 9/2014	Murkett	D12/169
D713,298 S	9/2014	Dyson	
D713,764 S	9/2014	Ferlazzo et al.	
D713,766 S	* 9/2014	Katou	D12/169
D716,696 S	11/2014	Thole et al.	
D716,706 S	11/2014	Thole et al.	
D716,709 S	11/2014	Thole et al.	
D717,696 S	11/2014	Thole et al.	
D718,189 S	11/2014	Krieg et al.	
D718,683 S	12/2014	Thole et al.	
D721,306 S	* 1/2015	George	D12/169
D721,625 S	* 1/2015	George	D12/169
D722,282 S	2/2015	Loeb	
D722,533 S	2/2015	Thole et al.	
D722,534 S	2/2015	Munson et al.	
D724,510 S	3/2015	McMahan et al.	
D725,001 S	3/2015	McMahan et al.	
D725,009 S	* 3/2015	Hirai	D12/169
D725,010 S	* 3/2015	Takei	D12/169
D726,591 S	4/2015	Jacob	
D730,776 S	6/2015	Smart	
D730,783 S	6/2015	Henriques et al.	
D732,427 S	6/2015	Loeb	
D732,429 S	6/2015	Loeb	
D732,430 S	6/2015	Loeb	
D732,431 S	6/2015	Loeb	
D732,432 S	6/2015	Aengenheyster	
D732,433 S	6/2015	Aengenheyster	
D732,435 S	6/2015	Mackay	
D733,002 S	6/2015	Loeb	
D733,004 S	* 6/2015	Huang	D12/91
D735,611 S	8/2015	Aengenheyster	
D735,627 S	8/2015	Smith	
D736,125 S	* 8/2015	Kamiura	D12/169
D736,451 S	8/2015	Smith	
D739,306 S	9/2015	McMahan	
D739,317 S	9/2015	McMahan et al.	
D741,223 S	10/2015	Kim et al.	
D743,309 S	11/2015	Thole et al.	
D743,313 S	11/2015	Smith et al.	
D743,314 S	11/2015	Thole et al.	
D743,857 S	11/2015	McMahan et al.	
D744,158 S	11/2015	Willett et al.	
D745,086 S	12/2015	Finos et al.	
D745,719 S	12/2015	Boniface et al.	
D745,725 S	12/2015	McMahan et al.	
D745,726 S	12/2015	McMahan et al.	
D745,837 S	12/2015	Smith et al.	
D746,726 S	1/2016	Smith et al.	
D746,727 S	1/2016	Smith et al.	
D746,728 S	1/2016	Smith et al.	
D746,729 S	1/2016	Boniface et al.	
D746,730 S	1/2016	Kim et al.	
D747,514 S	1/2016	McMahan et al.	
D747,515 S	1/2016	McMahan et al.	
D747,819 S	1/2016	Thole et al.	
D749,021 S	2/2016	Boniface et al.	
D749,026 S	2/2016	Smith et al.	
D749,027 S	2/2016	McMahan et al.	
D749,246 S	2/2016	Thole et al.	
D749,249 S	2/2016	Thole et al.	
D749,250 S	2/2016	Thole et al.	
D749,468 S	* 2/2016	Frascella	D12/169
D749,985 S	2/2016	Kozub et al.	
D749,997 S	2/2016	McMahan et al.	
D750,001 S	2/2016	Thole et al.	
D753,032 S	4/2016	Smith et al.	
D753,033 S	4/2016	Thole et al.	
D753,034 S	4/2016	Thole et al.	
D753,035 S	4/2016	Boniface et al.	
D753,559 S	4/2016	McMahan et al.	
D753,560 S	4/2016	McMahan et al.	
D753,567 S	4/2016	Boniface et al.	
D754,571 S	4/2016	Boniface et al.	
D754,572 S	4/2016	McMahan et al.	
D754,576 S	* 4/2016	Nissl	D12/169
D755,088 S	5/2016	McMahan et al.	
D756,869 S	5/2016	McMahan et al.	
D758,271 S	6/2016	McMahan et al.	
D764,975 S	8/2016	Aengenheyster	
D764,976 S	8/2016	Aengenheyster	
D767,449 S	9/2016	Pevovar et al.	
D767,450 S	9/2016	Lee et al.	
D767,451 S	9/2016	Kozub et al.	
D767,454 S	9/2016	McMahan et al.	
D767,458 S	9/2016	Kim	
D767,459 S	9/2016	Kim	
D767,460 S	9/2016	Kozub et al.	
D767,461 S	9/2016	Kozub et al.	
D771,528 S	11/2016	Smith et al.	
D771,529 S	11/2016	Thole et al.	
D771,532 S	11/2016	Kapitonov	
D771,533 S	11/2016	Kapitonov	
D772,766 S	11/2016	Kozub et al.	
D772,767 S	11/2016	Kim	
D773,084 S	11/2016	Kapitonov	
D773,086 S	11/2016	McCabe et al.	
D773,351 S	* 12/2016	Munakata	D12/169
D773,352 S	* 12/2016	Munakata	D12/169
D773,353 S	* 12/2016	Munakata	D12/169
D774,226 S	12/2016	McCabe et al.	
D782,373 S	* 3/2017	Curic	D12/169
D784,864 S	* 4/2017	Patel	D12/169
D786,746 S	* 5/2017	Wheel	D12/169
D789,849 S	* 6/2017	Lee	D12/169
D792,291 S	* 7/2017	Suga	D12/169
D797,616 S	* 9/2017	Lee	D12/169
D800,031 S	* 10/2017	Jung	D12/169
D800,034 S	* 10/2017	Kojima	D12/169

\* cited by examiner



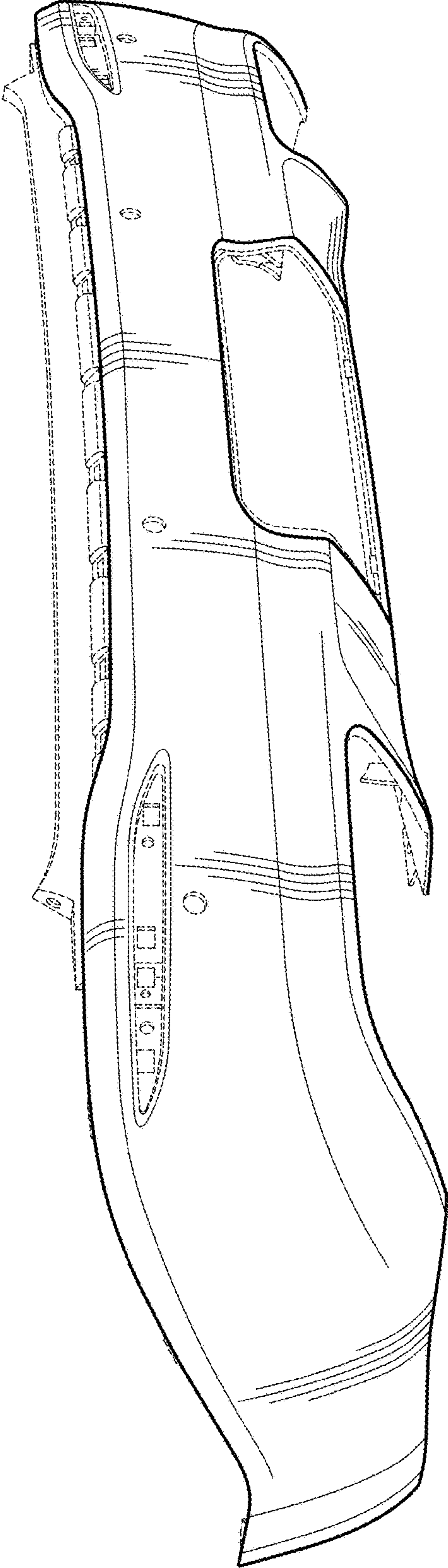


FIG. 1

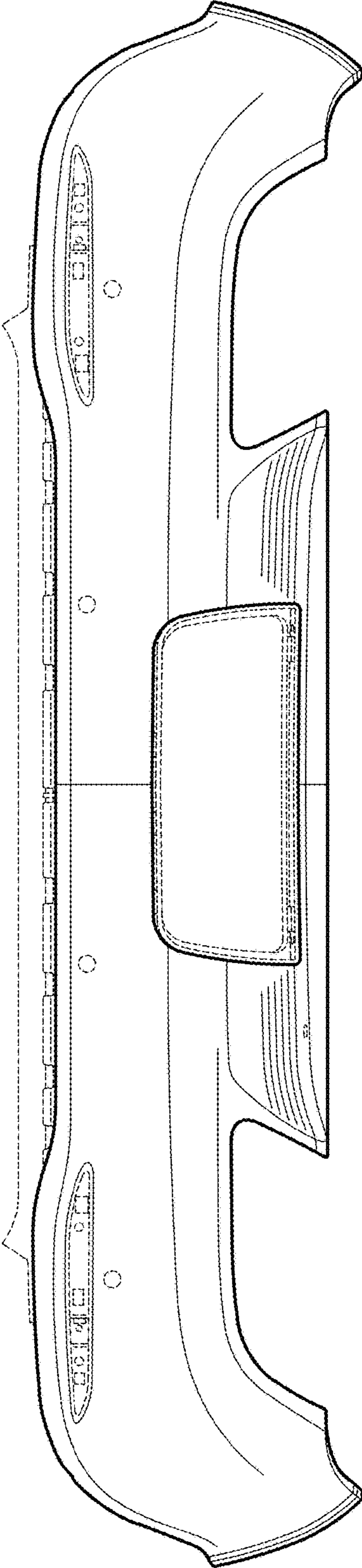


FIG. 2

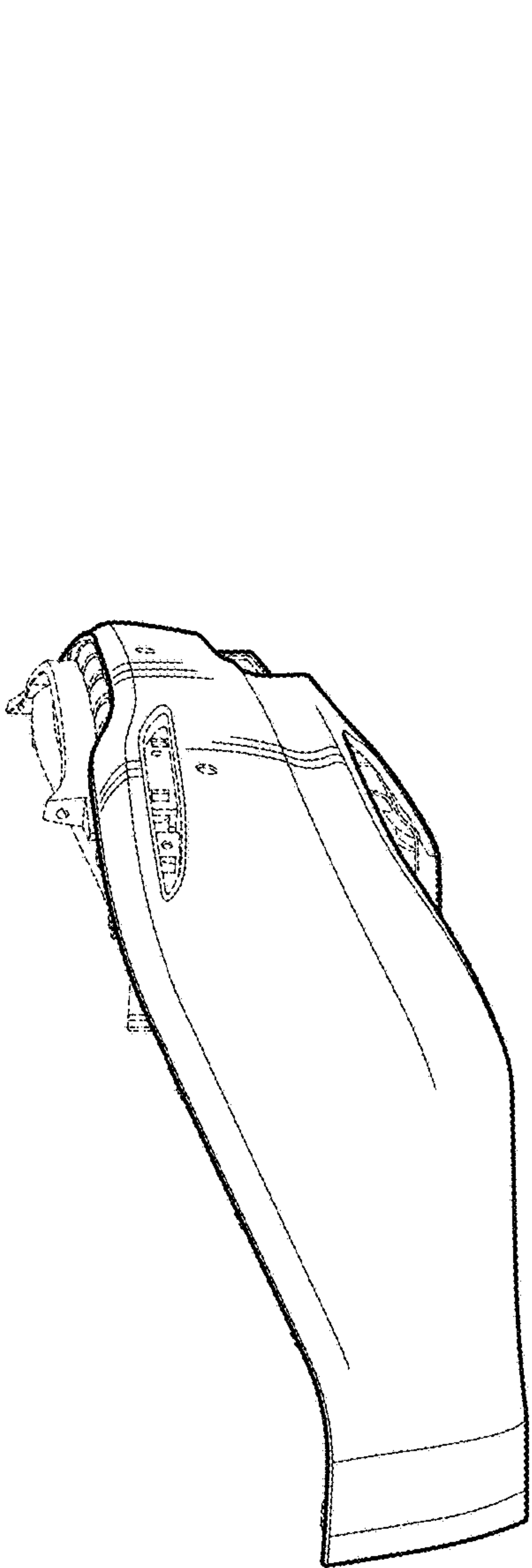


FIG. 3

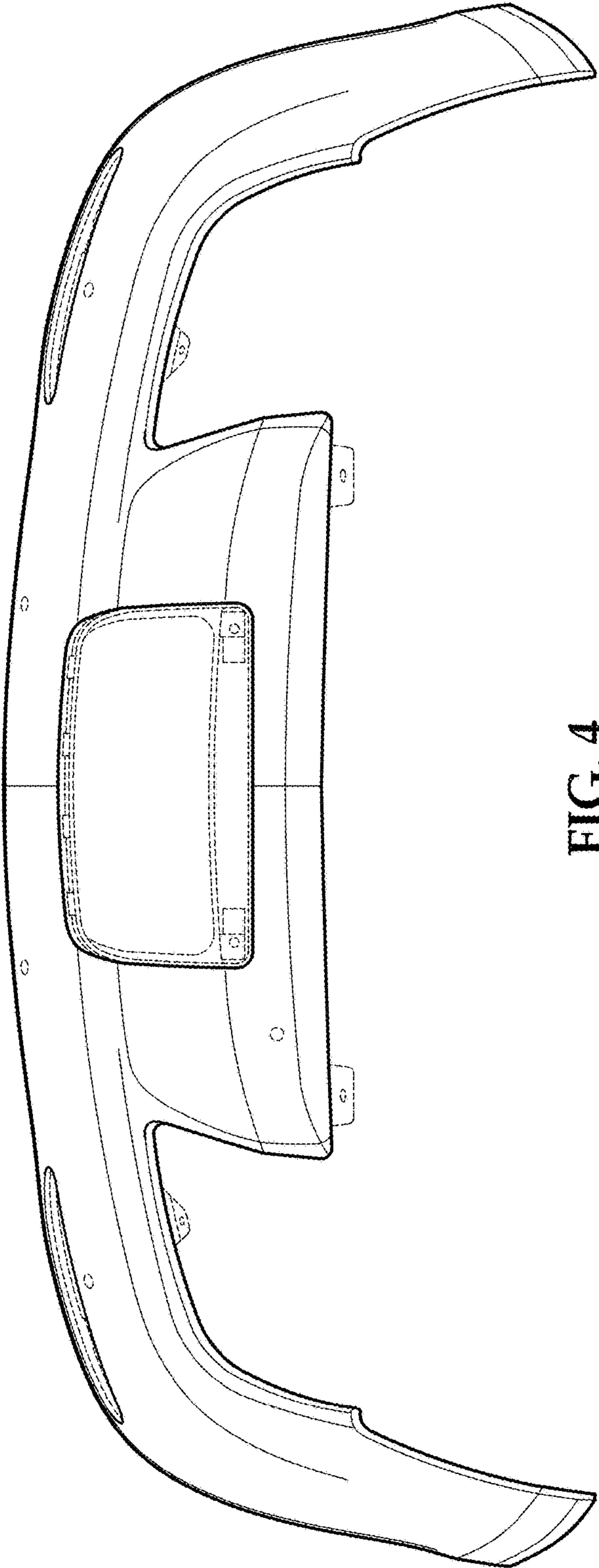


FIG. 4