



US00D813110S

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

(10) **Patent No.:** **US D813,110 S**
(45) **Date of Patent:** **** Mar. 20, 2018**

- (54) **VEHICLE REAR BUMPER**
- (71) Applicant: **GM GLOBAL TECHNOLOGY OPERATIONS LLC**, Detroit, MI (US)
- (72) Inventors: **Guy W. Whitla**, Rochester Hills, MI (US); **Takahiko Sugino**shita, Rochester Hills, MI (US)
- (73) Assignee: **GM Global Technology Operations LLC**, Detroit, MI (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/568,286**
- (22) Filed: **Jun. 16, 2016**
- (51) **LOC (11) Cl.** **12-16**
- (52) **U.S. Cl.**
USPC **D12/169**
- (58) **Field of Classification Search**
USPC D12/169, 216, 90-92, 86, 171, 196, 163; 293/102, 113, 115, 117, 120; 296/180.1, 296/180.2
CPC B60R 19/02; B60R 19/04; B62D 25/08
See application file for complete search history.

- 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
- D644,147 S 8/2011 Suh et al.

(Continued)

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

(57) **CLAIM**

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

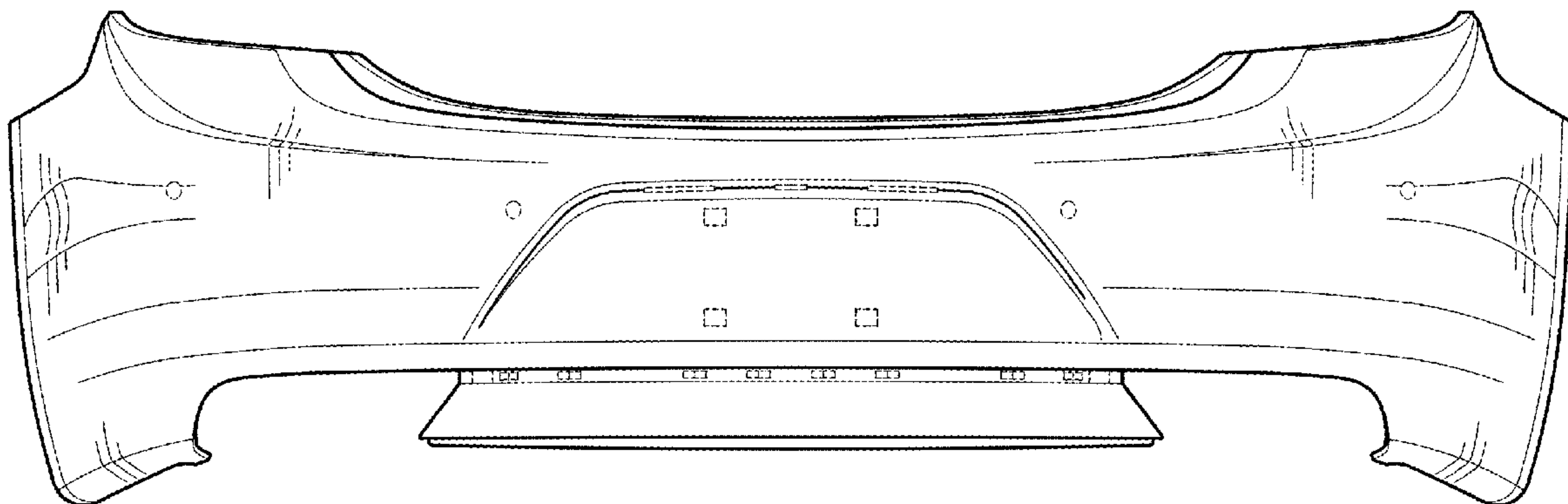
DESCRIPTION

FIG. 1 is a perspective view of a vehicle rear 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 top view thereof. The broken lines shown in the drawings depict portions of the vehicle rear bumper that form no part of the claimed design.

1 Claim, 3 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
- D603,755 S 11/2009 Peters



(56)

References Cited

U.S. PATENT DOCUMENTS

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	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	
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 et al.	
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.	
D773,351 S *	12/2016	Munakata	D12/169
D773,352 S *	12/2016	Munakata	D12/169
D773,353 S *	12/2016	Munakata	D12/169
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
D800,034 S *	10/2017	Kojima	D12/169

* cited by examiner

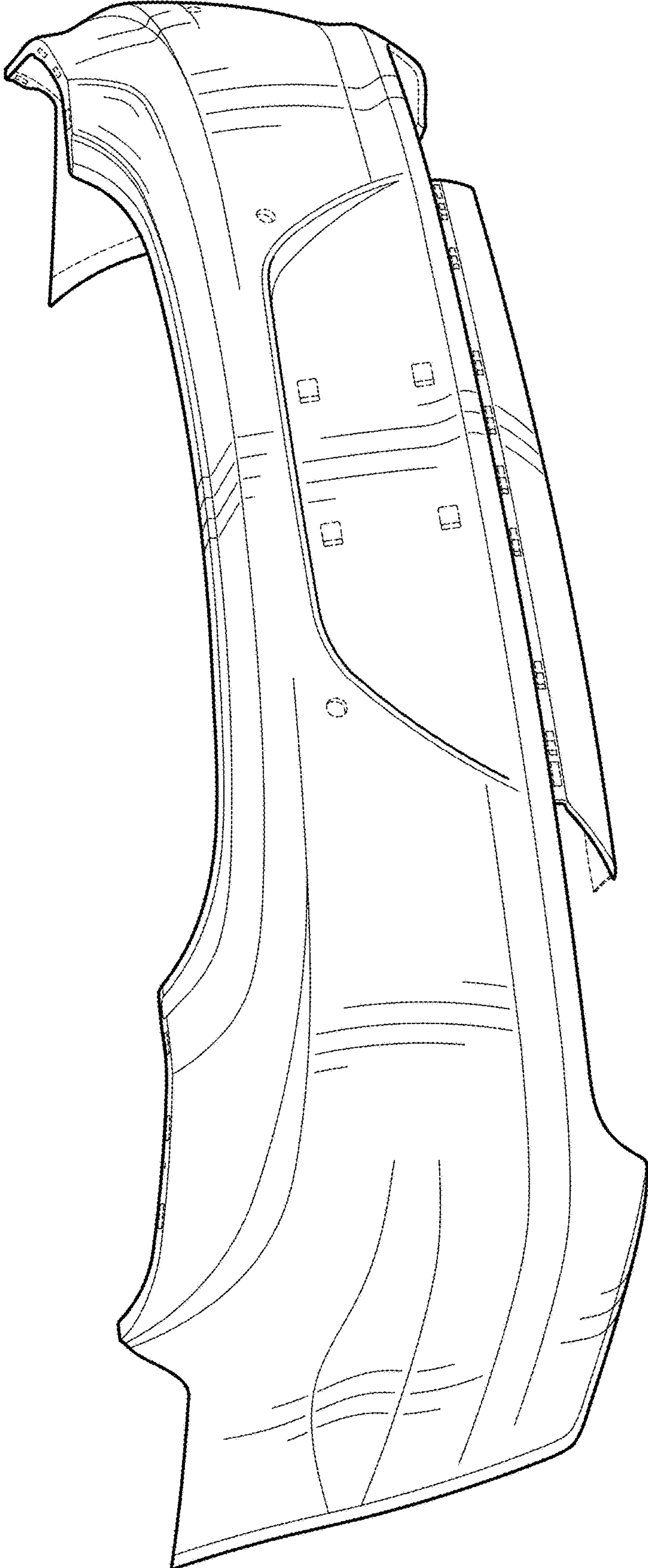


FIG. 1

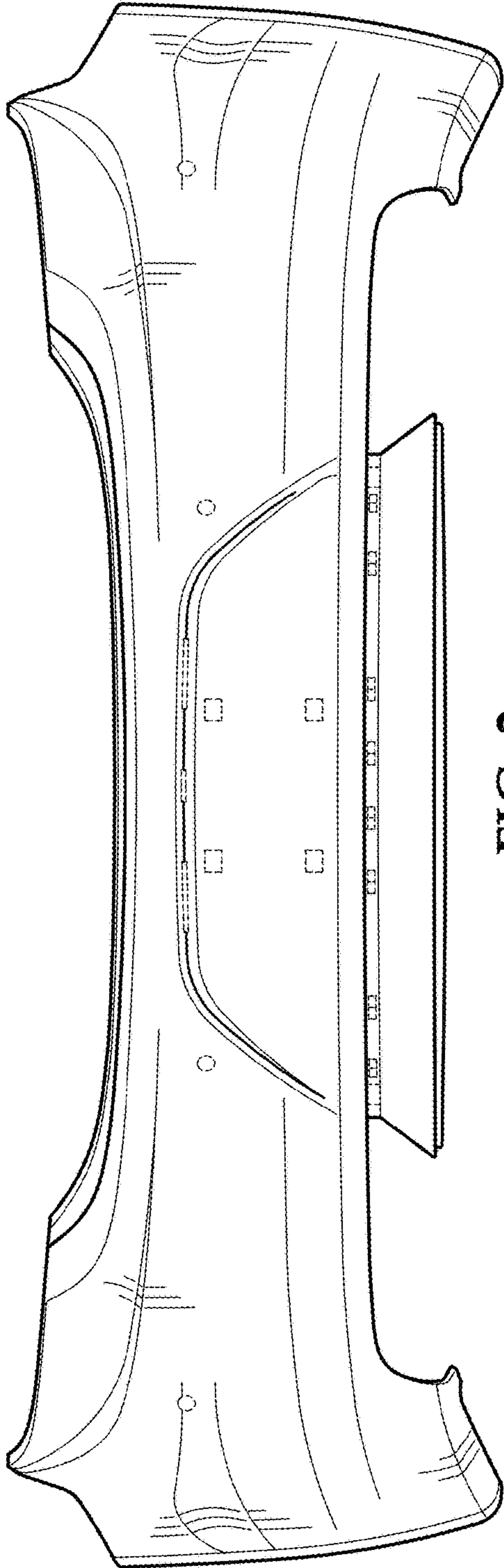


FIG. 2



FIG. 3

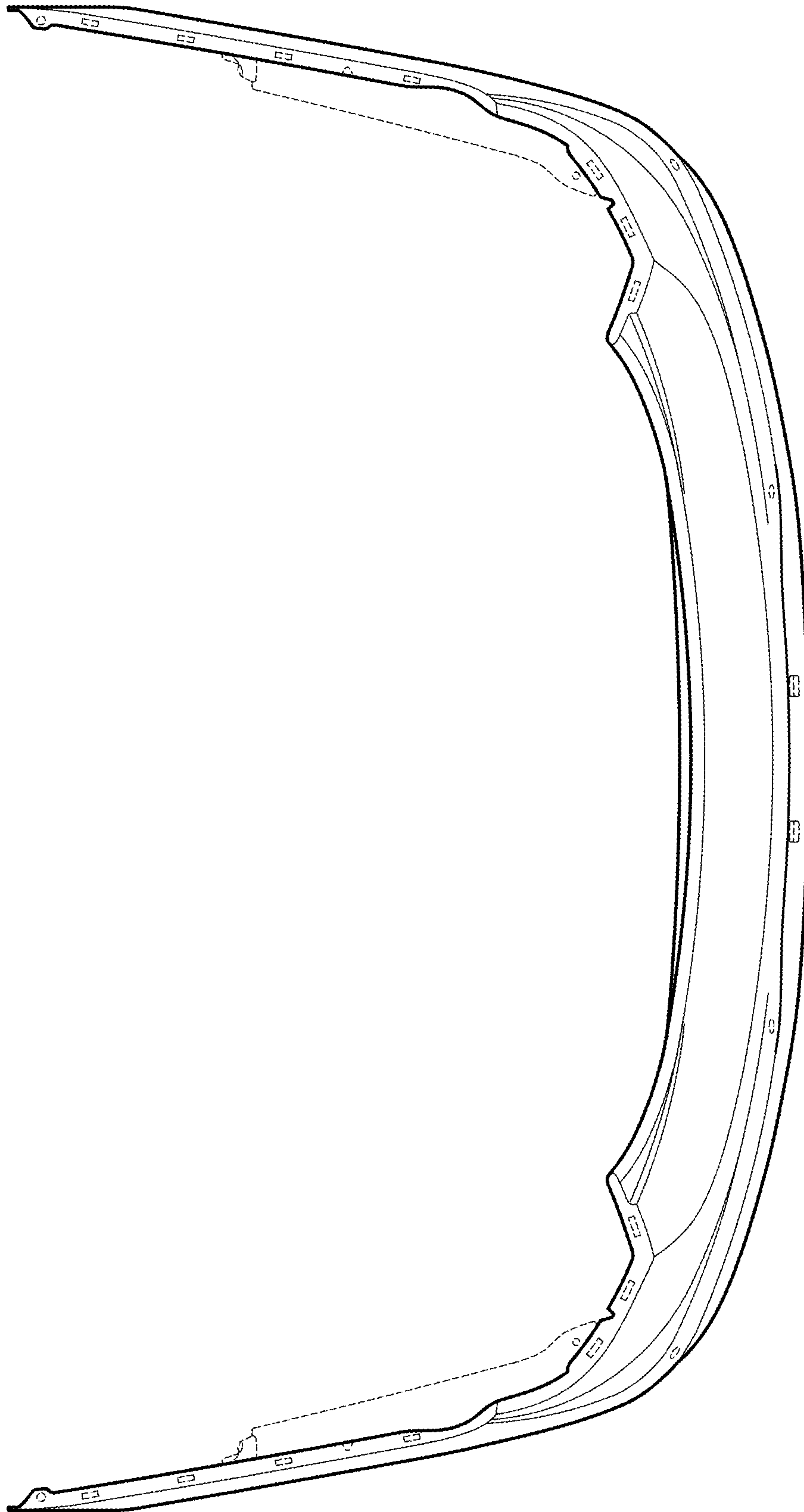


FIG. 4