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(12) **United States Design Patent**
Sullivan

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(54) **VEHICLE REAR LOWER BUMPER**

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(52) **U.S. Cl.**
USPC **D12/169**

(58) **Field of Classification Search**
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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.

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 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

(Continued)

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(57) **CLAIM**

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

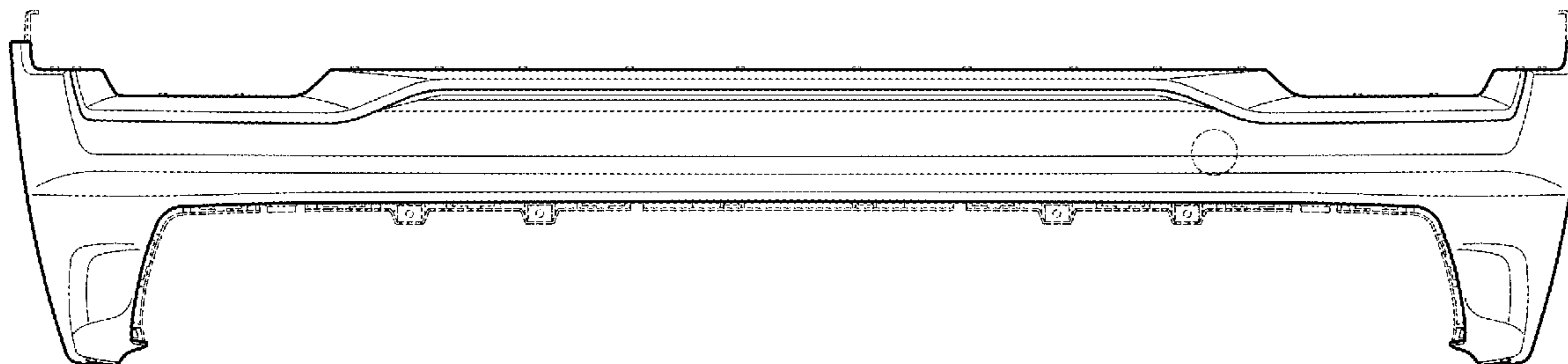
DESCRIPTION

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, 3 Drawing Sheets

(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.



(56)

References Cited

U.S. PATENT DOCUMENTS

D684,899 S	6/2013	Baker		D736,451 S	8/2015	Smith
D685,302 S *	7/2013	Futschik	D12/169	D739,306 S	9/2015	McMahan et al.
D686,536 S	7/2013	McCabe et al.		D739,317 S	9/2015	McMahan et al.
D688,993 S *	9/2013	Campbell	D12/169	D741,223 S	10/2015	Kim et al.
D688,994 S *	9/2013	Campbell	D12/169	D743,309 S	11/2015	Thole et al.
D692,798 S	11/2013	Thurber		D743,313 S	11/2015	Smith et al.
D692,799 S	11/2013	Smith et al.		D743,314 S	11/2015	Thole et al.
D696,157 S	12/2013	Loeb		D743,857 S	11/2015	McMahan et al.
D696,166 S *	12/2013	Imagawa	D12/169	D744,158 S	11/2015	Willett et al.
D699,629 S	2/2014	Ikeda et al.		D745,086 S	12/2015	Finos et al.
D700,871 S	3/2014	O'Donnell et al.		D745,719 S	12/2015	Boniface et al.
D701,805 S *	4/2014	Campbell	D12/169	D745,725 S	12/2015	McMahan et al.
D703,103 S	4/2014	Lee		D745,726 S	12/2015	McMahan et al.
D704,103 S	5/2014	Mack et al.		D745,837 S	12/2015	Smith et al.
D705,132 S	5/2014	Ware et al.		D746,726 S	1/2016	Smith et al.
D705,699 S	5/2014	Ware et al.		D746,727 S	1/2016	Smith et al.
D713,298 S	9/2014	Dyson		D746,728 S	1/2016	Smith et al.
D713,764 S	9/2014	Ferlazzo et al.		D746,729 S	1/2016	Boniface et al.
D716,696 S	11/2014	Thole et al.		D746,730 S	1/2016	Kim et al.
D716,706 S	11/2014	Thole et al.		D747,514 S	1/2016	McMahan et al.
D716,709 S	11/2014	Thole et al.		D747,515 S	1/2016	McMahan et al.
D717,696 S	11/2014	Thole et al.		D747,819 S	1/2016	Thole et al.
D718,189 S	11/2014	Krieg et al.		D749,021 S	2/2016	Boniface et al.
D718,683 S	12/2014	Thole et al.		D749,026 S	2/2016	Smith et al.
D722,282 S	2/2015	Loeb		D749,027 S	2/2016	McMahan et al.
D722,533 S	2/2015	Thole et al.		D749,246 S	2/2016	Thole et al.
D722,534 S	2/2015	Munson et al.		D749,249 S	2/2016	Thole et al.
D724,510 S	3/2015	McMahan et al.		D749,250 S	2/2016	Thole et al.
D725,001 S	3/2015	McMahan et al.		D749,985 S	2/2016	Kozub et al.
D726,591 S	4/2015	Jacob		D749,997 S	2/2016	McMahan et al.
D730,776 S	6/2015	Smart		D750,001 S	2/2016	Thole et al.
D730,783 S	6/2015	Henriques et al.		D753,032 S	4/2016	Smith et al.
D732,427 S	6/2015	Loeb		D753,033 S	4/2016	Thole et al.
D732,429 S	6/2015	Loeb		D753,034 S	4/2016	Thole et al.
D732,430 S	6/2015	Loeb		D753,035 S	4/2016	Boniface et al.
D732,431 S	6/2015	Loeb		D753,559 S	4/2016	McMahan et al.
D732,432 S	6/2015	Aengenheyster		D753,560 S	4/2016	McMahan et al.
D732,433 S	6/2015	Aengenheyster		D753,567 S	4/2016	Boniface et al.
D732,435 S	6/2015	Mackay		D754,571 S	4/2016	Boniface et al.
D733,002 S	6/2015	Loeb		D754,572 S	4/2016	McMahan et al.
D735,611 S	8/2015	Aengenheyster		D755,088 S	5/2016	McMahan et al.
D735,627 S	8/2015	Smith		D756,869 S	5/2016	McMahan et al.
				D758,271 S	6/2016	McMahan et al.

* cited by examiner

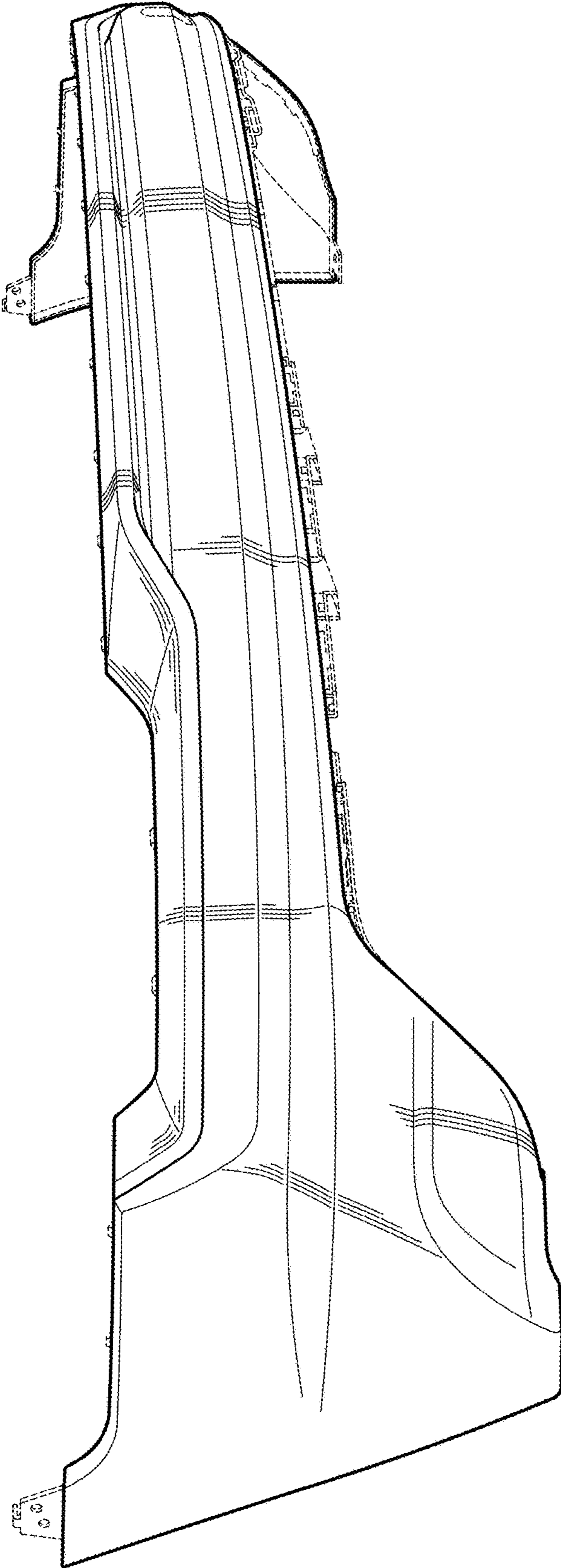


FIG. 1

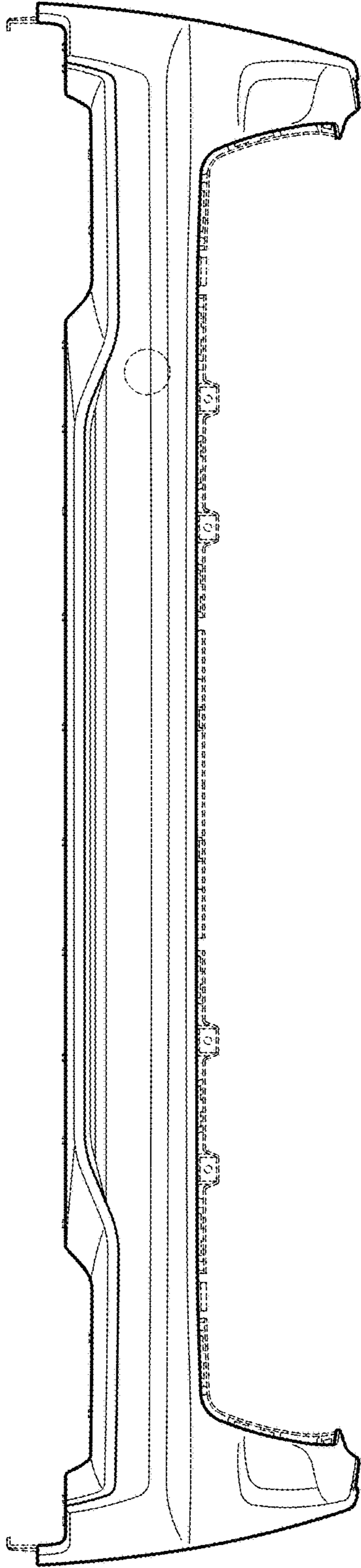


FIG. 2

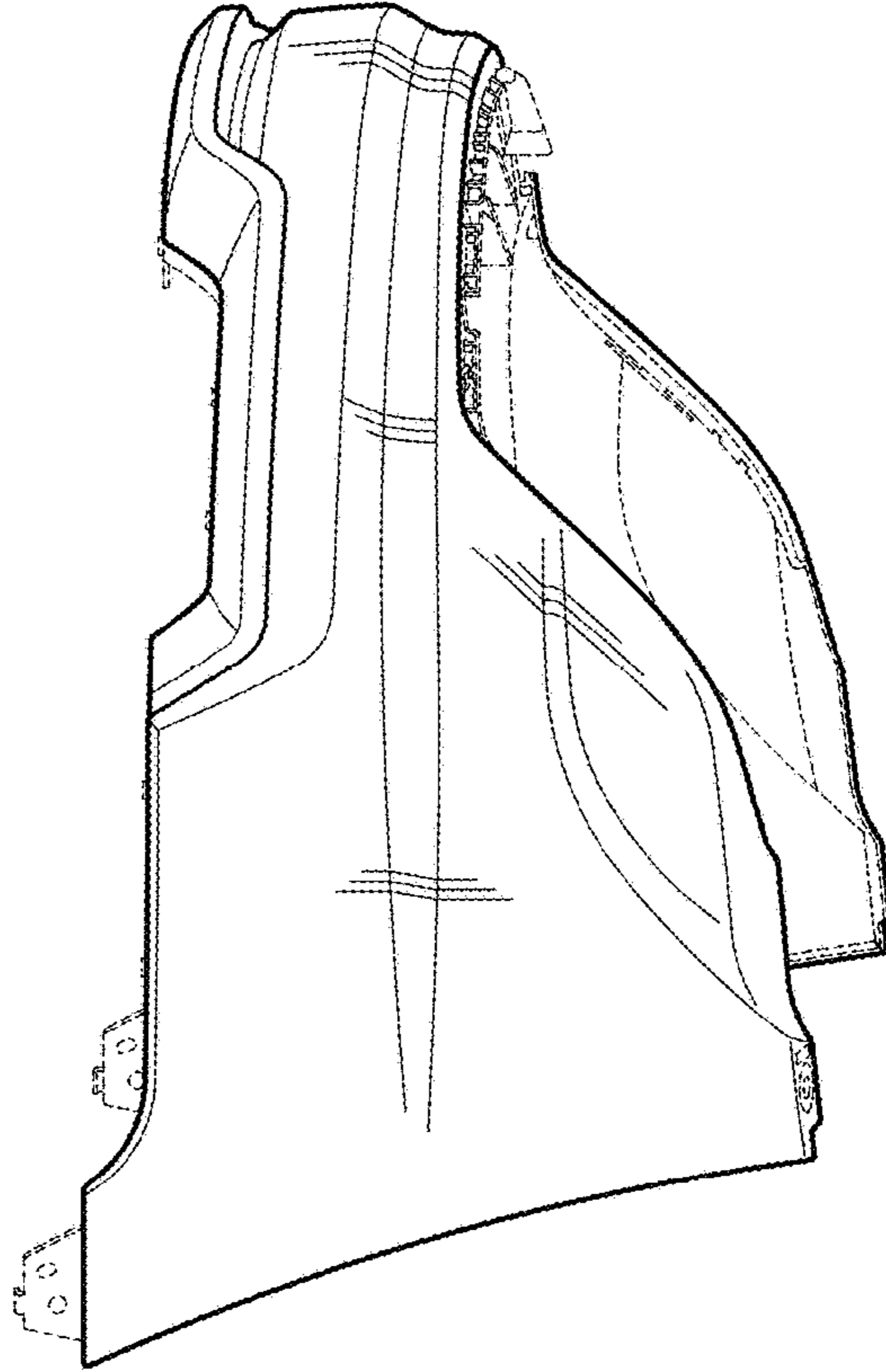


FIG. 3

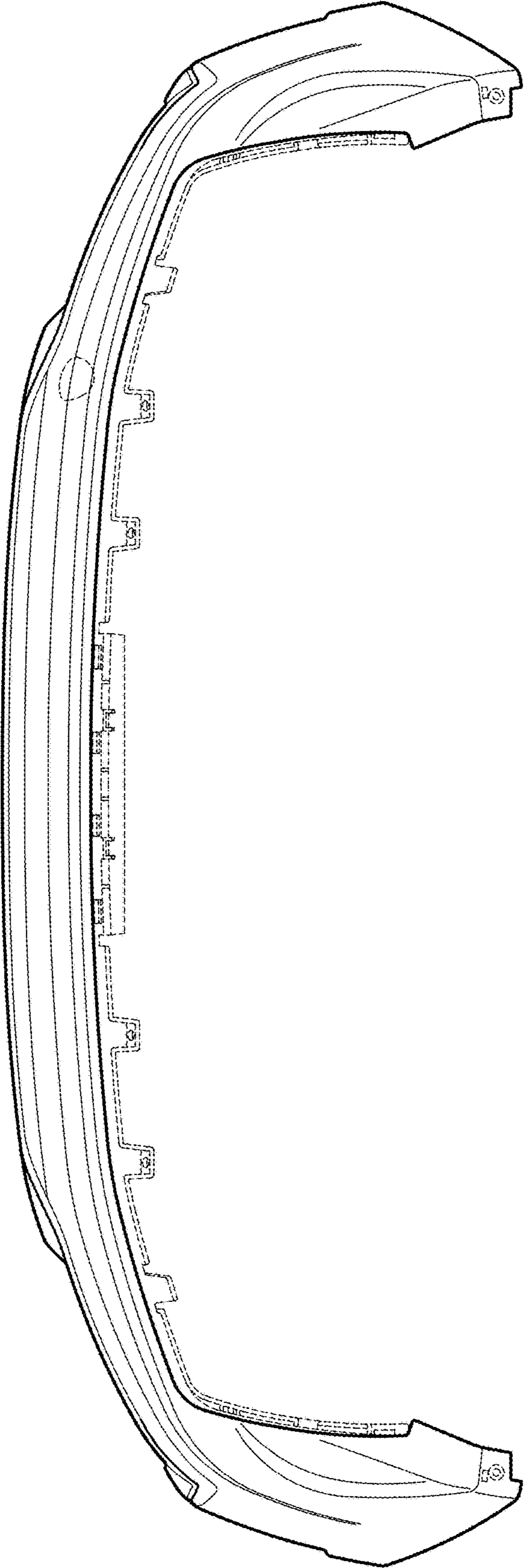


FIG. 4