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Whitla et al.

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(54) **VEHICLE FRONT BUMPER**
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(52) **U.S. Cl.**
USPC **D12/169**

(58) **Field of Classification Search**
USPC D12/169, 196, 86, 90-92; 293/102, 113, 293/115, 117, 120; 296/180.1, 180.2
CPC B60R 19/02; B60R 19/04; B62D 25/08
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

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(57) **CLAIM**

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

DESCRIPTION

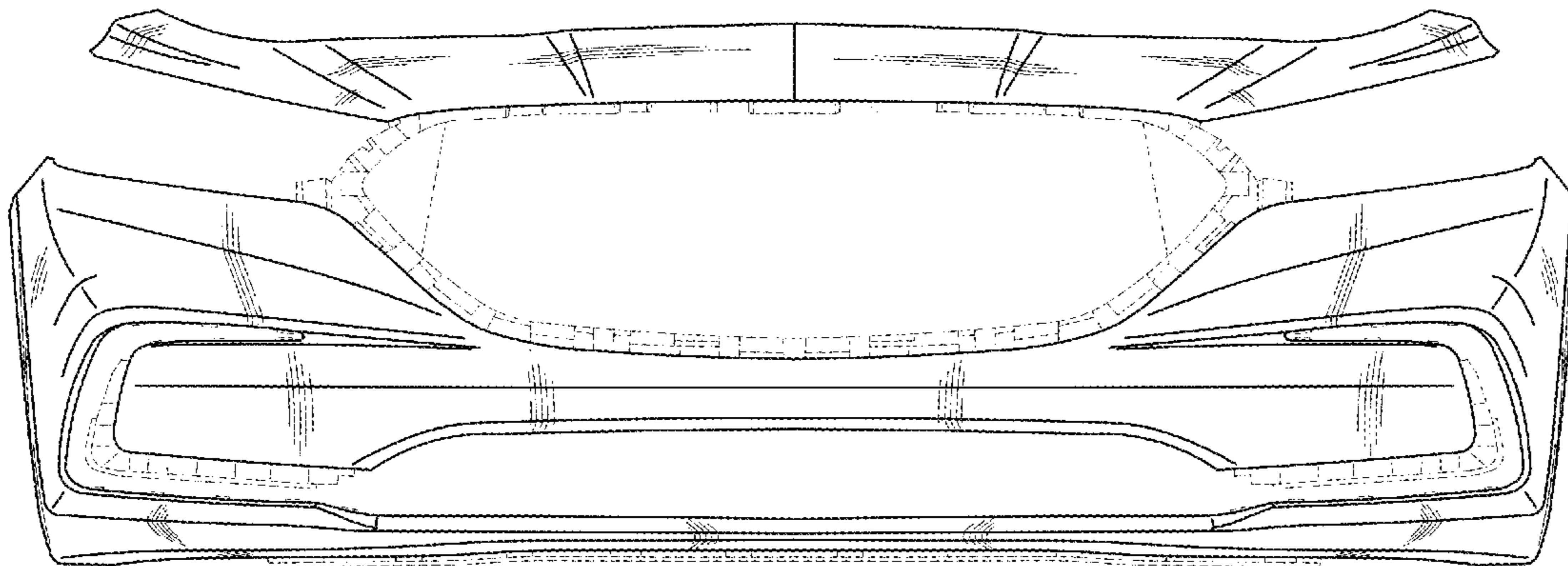
FIG. 1 is a front and left side perspective view of a vehicle front bumper showing our new design; FIG. 2 is a left side elevation view thereof, the right side being a mirror image of the left side shown; FIG. 3 is a front elevation view thereof; and, FIG. 4 is a top plan view thereof.

The right end elevation view is omitted, because the right end elevation view is a mirror image to the left end elevation view.

The broken lines shown in the drawings depict portions of the vehicle front bumper that form no part of the claimed design.

The shade lines in the figures show contour and not surface ornamentation.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D678,820 S	3/2013	Son et al.	D753,035 S	4/2016	Boniface et al.
D678,821 S	3/2013	Ikeda et al.	D753,559 S	4/2016	McMahan et al.
D680,909 S	4/2013	Munson et al.	D753,560 S	4/2016	McMahan et al.
D680,910 S	4/2013	David	D753,567 S	4/2016	Boniface et al.
D684,899 S	6/2013	Baker	D754,571 S	4/2016	Boniface et al.
D686,536 S	7/2013	McCabe et al.	D754,572 S	4/2016	McMahan et al.
D692,798 S	11/2013	Thurber	D755,088 S	5/2016	McMahan et al.
D692,799 S	11/2013	Smith et al.	D756,869 S	5/2016	McMahan et al.
D696,157 S	12/2013	Loeb	D758,271 S	6/2016	McMahan et al.
D699,629 S	2/2014	Ikeda et al.	D764,975 S	8/2016	Aengenheyster
D700,871 S	3/2014	O'Donnell et al.	D764,976 S	8/2016	Aengenheyster
D703,103 S	4/2014	Lee	D767,449 S	9/2016	Pevovar et al.
D704,103 S	5/2014	Mack et al.	D767,450 S	9/2016	Lee et al.
D705,132 S	5/2014	Ware et al.	D767,451 S	9/2016	Kozub et al.
D705,699 S	5/2014	Ware et al.	D767,454 S	9/2016	McMahan et al.
D713,298 S	9/2014	Dyson	D767,458 S	9/2016	Kim
D713,764 S	9/2014	Ferlazzo et al.	D767,459 S	9/2016	Kim
D716,696 S	11/2014	Thole et al.	D767,460 S	9/2016	Kozub et al.
D716,706 S	11/2014	Thole et al.	D767,461 S	9/2016	Kozub et al.
D716,709 S	11/2014	Thole et al.	D771,528 S	11/2016	Smith et al.
D717,696 S	11/2014	Thole et al.	D771,529 S	11/2016	Thole et al.
D718,189 S	11/2014	Krieg et al.	D771,532 S	11/2016	Kapitonov
D718,683 S	12/2014	Thole et al.	D771,533 S	11/2016	Kapitonov
D722,282 S	2/2015	Loeb	D772,766 S	11/2016	Kozub et al.
D722,533 S	2/2015	Thole et al.	D772,767 S	11/2016	Kim
D722,534 S	2/2015	Munson et al.	D773,084 S	11/2016	Kapitonov
D724,510 S	3/2015	McMahan et al.	D773,086 S	11/2016	McCabe et al.
D725,001 S	3/2015	McMahan et al.	D774,226 S	12/2016	McCabe et al.
D726,591 S	4/2015	Jacob	D775,003 S	12/2016	Pevovar et al.
D730,776 S	6/2015	Smart	D775,007 S	12/2016	Thole et al.
D730,783 S	6/2015	Henriques et al.	D775,010 S	12/2016	Kim et al.
D732,427 S	6/2015	Loeb	D775,049 S	12/2016	Scheer et al.
D732,429 S	6/2015	Loeb	D775,549 S	1/2017	Karras
D732,430 S	6/2015	Loeb	D775,554 S	1/2017	Kapitonov
D732,431 S	6/2015	Loeb	D776,020 S	1/2017	Kapitonov
D732,432 S	6/2015	Aengenheyster	D776,581 S	1/2017	Pevovar et al.
D732,433 S	6/2015	Aengenheyster	D776,583 S	1/2017	Scheer et al.
D732,435 S	6/2015	Mackay	D776,841 S	1/2017	Kozub et al.
D733,002 S	6/2015	Loeb	D776,843 S	1/2017	McCabe et al.
D735,611 S	8/2015	Aengenheyster	D776,846 S	1/2017	Willett et al.
D735,627 S	8/2015	Smith	D777,359 S	1/2017	Kozub et al.
D736,451 S	8/2015	Smith	D777,360 S	1/2017	Kozub et al.
D739,306 S	9/2015	McMahan et al.	D777,361 S	1/2017	Kozub et al.
D739,317 S	9/2015	McMahan et al.	D777,604 S	1/2017	McNerney
D741,223 S	10/2015	Kim et al.	D777,605 S	1/2017	Ferlazzo et al.
D743,309 S	11/2015	Thole et al.	D777,620 S	1/2017	Pevovar et al.
D743,313 S	11/2015	Smith et al.	D777,621 S	1/2017	Kim
D743,314 S	11/2015	Thole et al.	D777,622 S	1/2017	Kozub et al.
D743,857 S	11/2015	McMahan et al.	D777,628 S	1/2017	Kozub et al.
D744,158 S	11/2015	Willett et al.	D777,955 S	1/2017	Willett et al.
D745,086 S	12/2015	Finos et al.	D778,212 S	2/2017	Kozub et al.
D745,719 S	12/2015	Boniface et al.	D778,214 S	2/2017	Kim D12/169
D745,725 S	12/2015	McMahan et al.	D778,215 S	2/2017	Kozub et al.
D745,726 S	12/2015	McMahan et al.	D780,064 S	2/2017	Smith et al.
D745,837 S	12/2015	Smith et al.	D780,067 S	2/2017	Zipfel et al.
D746,726 S	1/2016	Smith et al.	D780,068 S	2/2017	Whitla et al.
D746,727 S	1/2016	Smith et al.	D780,077 S	2/2017	Kim et al.
D746,728 S	1/2016	Smith et al.	D780,081 S	2/2017	Lee
D746,729 S	1/2016	Boniface et al.	D780,084 S	2/2017	Scheer et al.
D746,730 S	1/2016	Kim et al.	D780,631 S	3/2017	Kozub et al.
D747,514 S	1/2016	McMahan et al.	D780,644 S	3/2017	Kim et al.
D747,515 S	1/2016	McMahan et al.	D781,184 S	3/2017	Thole et al.
D747,819 S	1/2016	Thole et al.	D781,192 S	3/2017	Kozub et al.
D749,021 S	2/2016	Boniface et al.	D782,379 S	3/2017	Wassell
D749,026 S	2/2016	Smith et al.	D783,482 S	4/2017	Smith et al.
D749,027 S	2/2016	McMahan et al.	D784,213 S	4/2017	Karras
D749,246 S	2/2016	Thole et al.	D784,223 S	4/2017	Lee
D749,249 S	2/2016	Thole et al.	D784,226 S	4/2017	Cheng
D749,250 S	2/2016	Thole et al.	D784,579 S	4/2017	Cheng et al.
D749,985 S	2/2016	Kozub et al.	D784,877 S	4/2017	Lee
D749,997 S	2/2016	McMahan et al.	D784,886 S	4/2017	Smith et al.
D750,001 S	2/2016	Thole et al.	D785,521 S	5/2017	Smith et al.
D753,032 S	4/2016	Smith et al.	D786,149 S	5/2017	Pevovar et al.
D753,033 S	4/2016	Thole et al.	D786,743 S	5/2017	Smith et al.
D753,034 S	4/2016	Thole et al.	D786,750 S	5/2017	Lee
			D787,446 S	5/2017	Cockerill
			D787,984 S	5/2017	Fang
			D787,988 S	5/2017	Lee
			D787,989 S	5/2017	Kozub et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

D787,990 S	5/2017	Kozub et al.	
D787,992 S	5/2017	Lee	
D787,993 S	5/2017	McCabe et al.	
D788,001 S	5/2017	Lee	
D788,641 S	6/2017	Arnold	
D788,644 S	6/2017	Mueller	
D788,645 S	6/2017	Mueller	
D789,250 S	6/2017	Arnold	
D789,260 S	6/2017	Smith	
D789,575 S	6/2017	Willett	
D789,841 S	6/2017	Lee	
D789,849 S	6/2017	Lee	
D811,957 S *	3/2018	Whitla	D12/169
D814,369 S *	4/2018	Loeb	D12/169
D820,175 S *	6/2018	Ishigaki	D12/169
D822,558 S *	7/2018	Kim	D12/169
D826,110 S *	8/2018	Kanai	D12/169
D826,114 S *	8/2018	Smith	D12/169
D829,620 S *	10/2018	Lim	D12/169
D832,473 S *	10/2018	Handt	D26/28

* cited by examiner

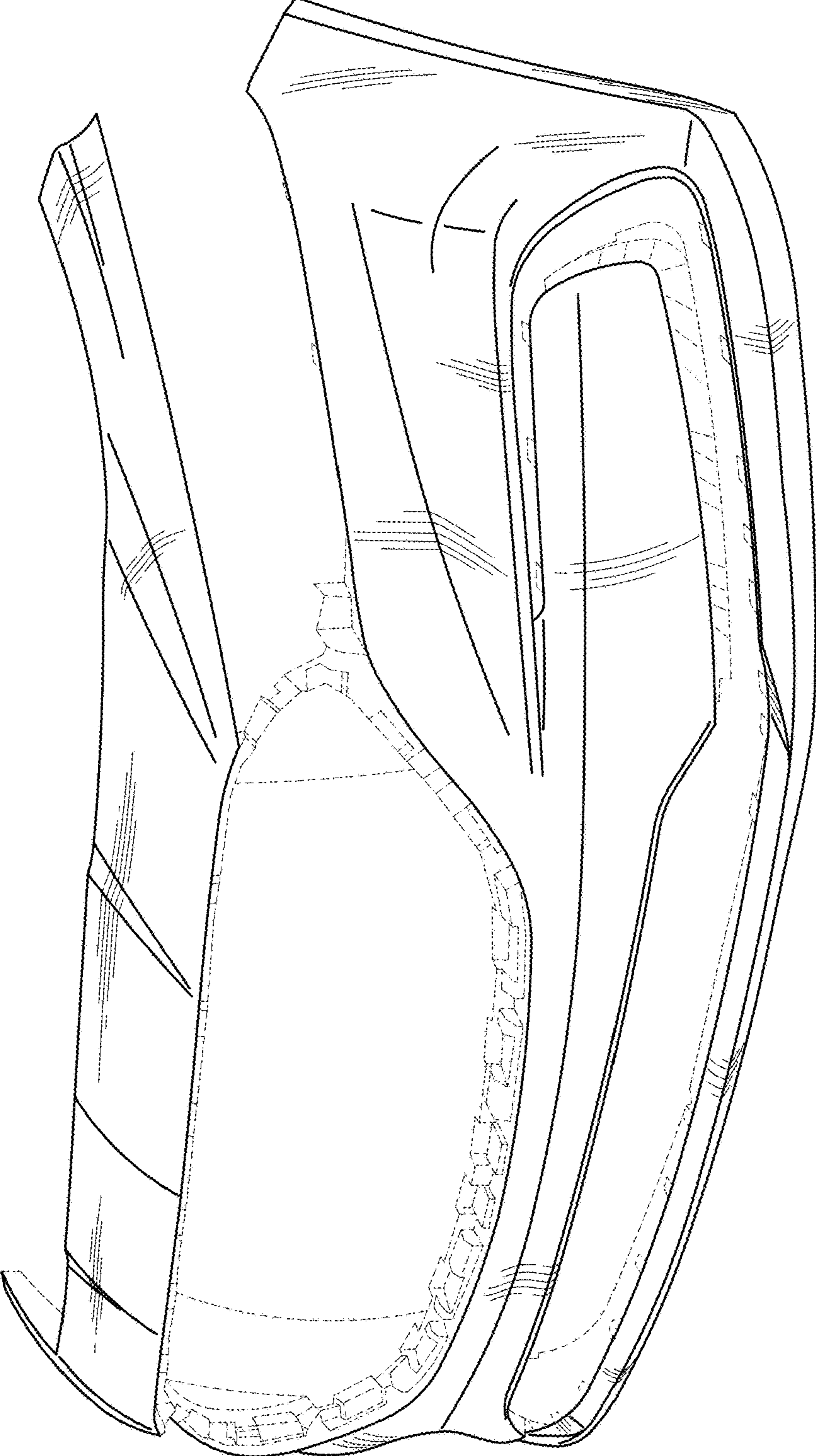


FIG - 1

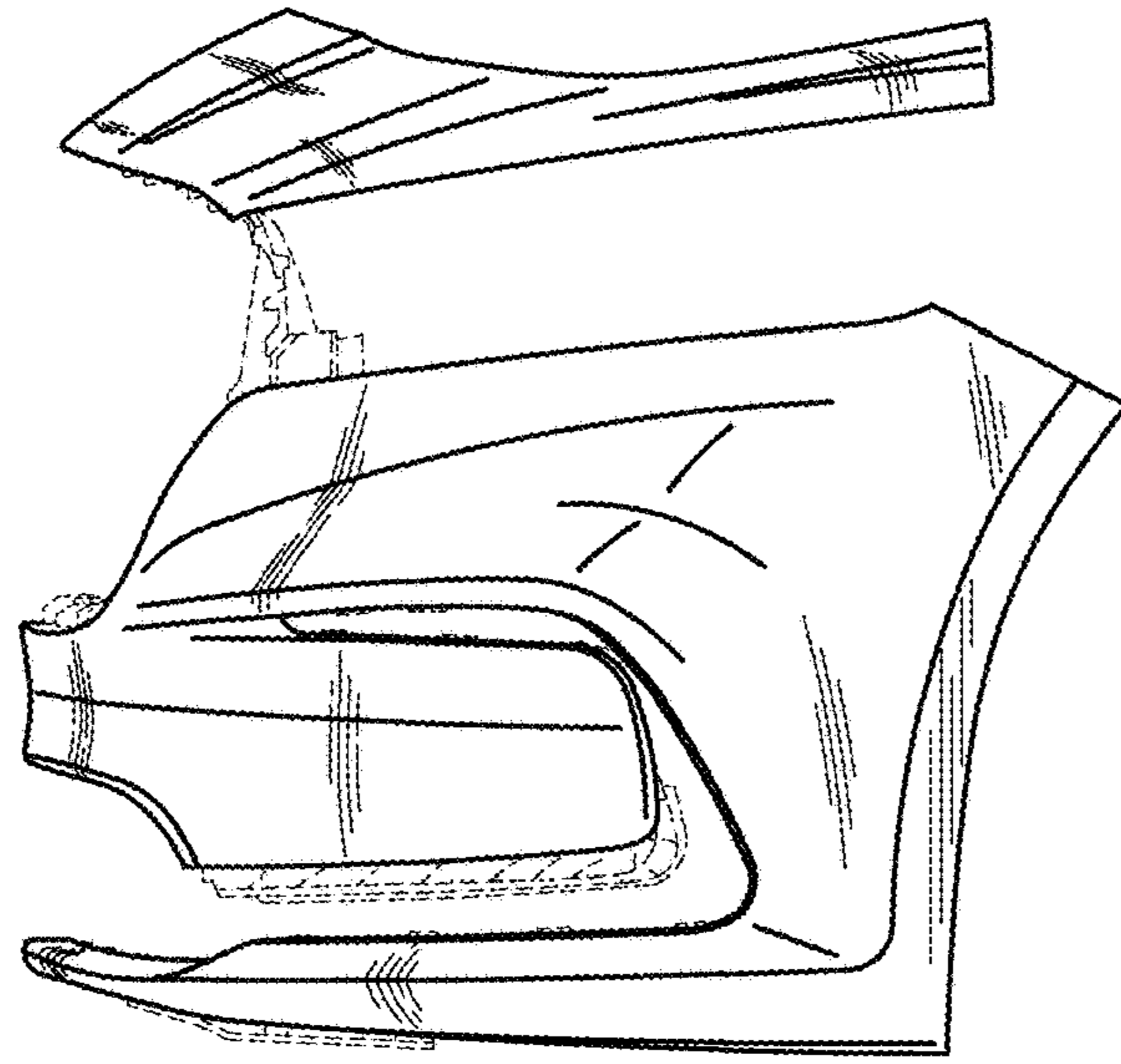


FIG - 2

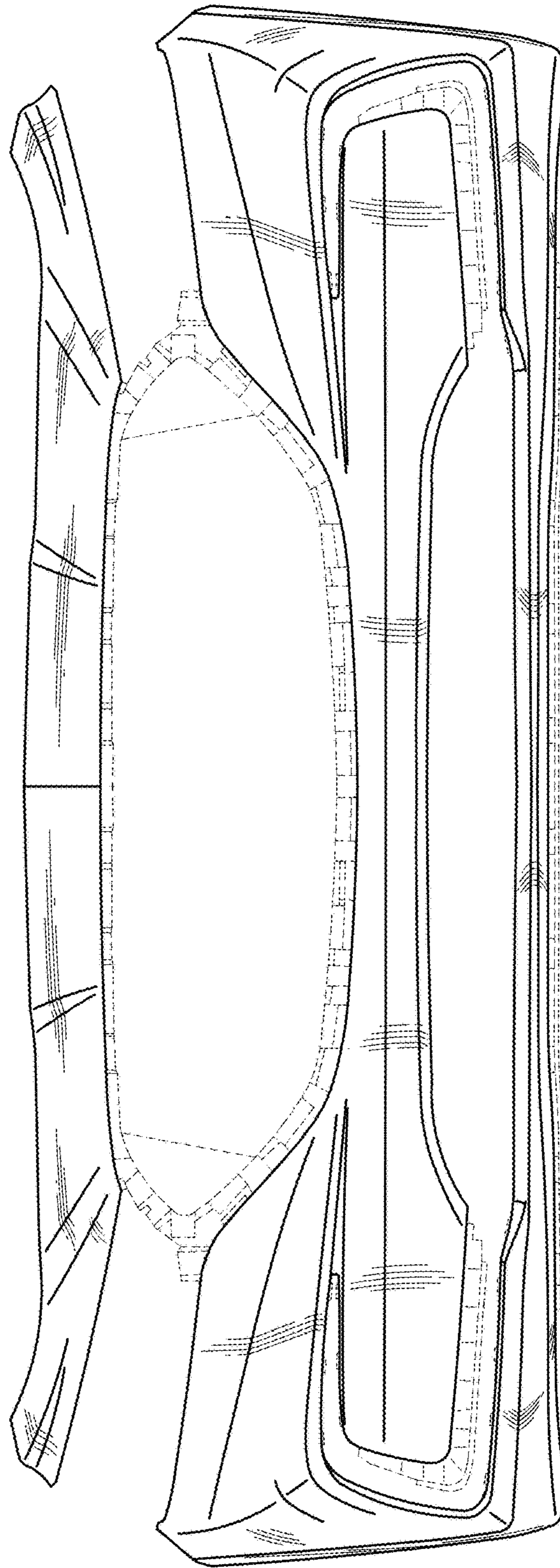


FIG - 3

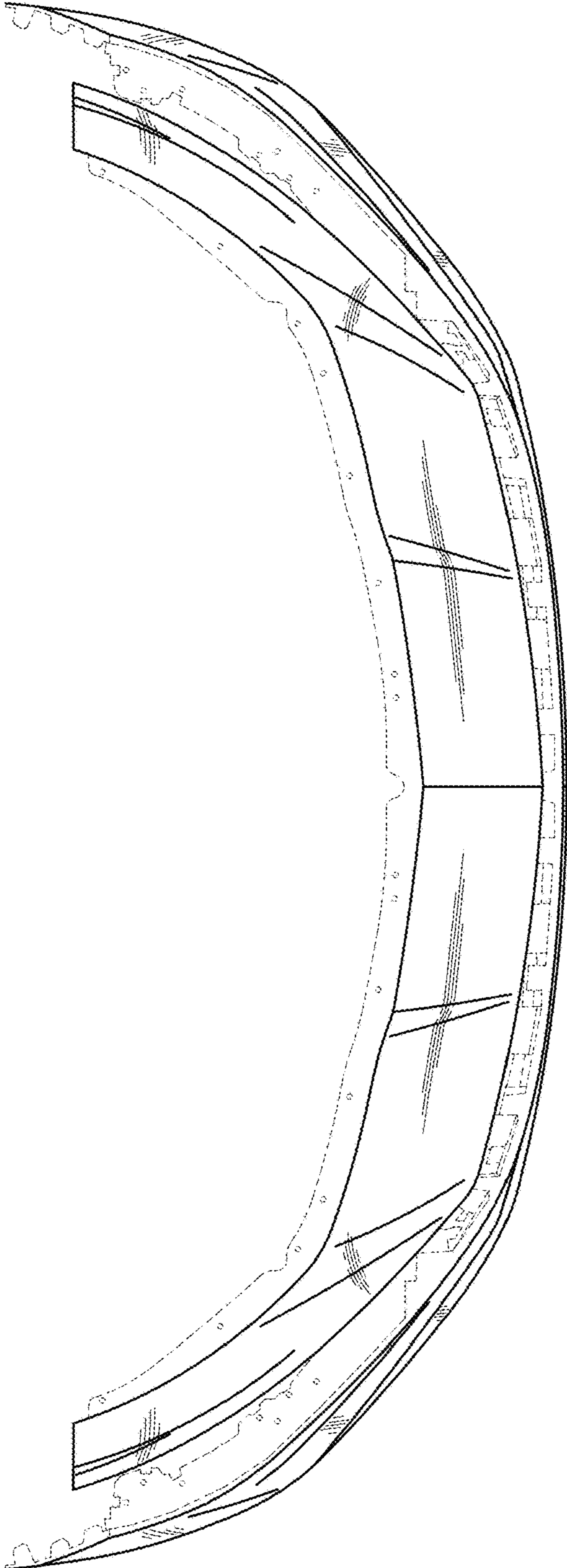


FIG - 4