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Kim et al.

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(54) **VEHICLE GRILLE**

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USPC **D12/163**

(58) **Field of Classification Search**
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D12/170, 171, 172, 173, 181
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B62D 25/08
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 2,854,104 A * 9/1958 Marcy, Jr. B21D 47/005
52/666
- D496,890 S * 10/2004 Metros D12/163
- D570,742 S 6/2008 Takagi et al.
- D589,853 S * 4/2009 Saridakis D12/163
- 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
- D668,590 S * 10/2012 Furst D12/163

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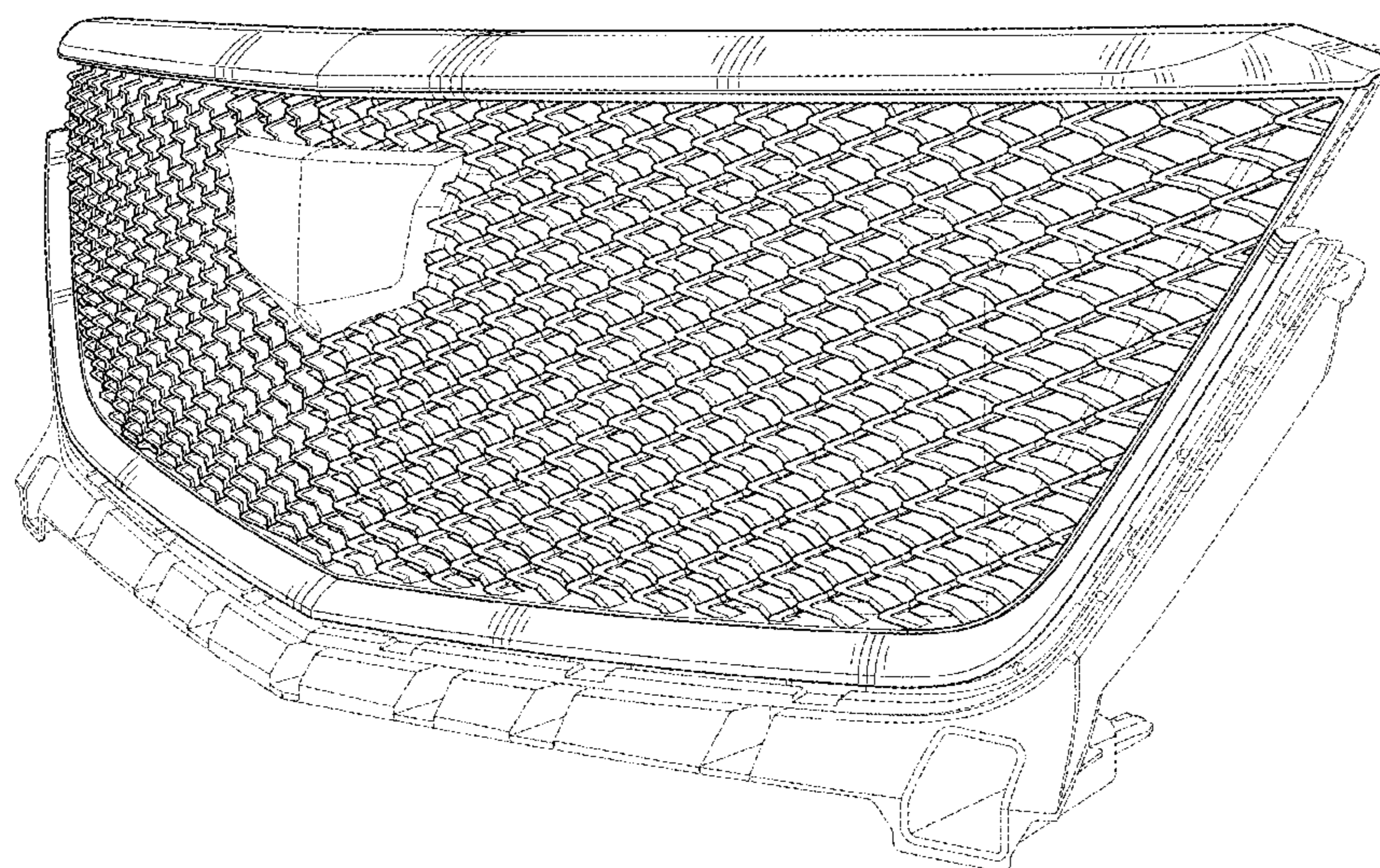
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of the vehicle grille;
FIG. 2 is a front view thereof;
FIG. 3 is a left side view thereof (the right side view being a mirror image thereof); and,
FIG. 4 is a top view thereof.
The broken lines in the drawings illustrate portions of the vehicle grille that form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D670,214 S	*	11/2012	Watanabe	.....	D12/163	D750,001 S	2/2016	Thole et al.	
D678,820 S		3/2013	Son et al.			D753,032 S	4/2016	Smith et al.	
D678,821 S		3/2013	Ikeda et al.			D753,033 S	4/2016	Thole et al.	
D680,909 S		4/2013	Munson et al.			D753,034 S	4/2016	Thole et al.	
D680,910 S		4/2013	David			D753,035 S	4/2016	Boniface et al.	
D682,752 S	*	5/2013	Yoshida	.....	D12/163	D753,559 S	4/2016	McMahan et al.	
D684,899 S		6/2013	Baker			D753,560 S	4/2016	McMahan et al.	
D686,536 S		7/2013	McCabe et al.			D753,567 S	4/2016	Boniface et al.	
D692,798 S		11/2013	Thurber			D754,037 S	*	4/2016	Behmer D12/163
D692,799 S		11/2013	Smith et al.			D754,571 S		4/2016	Boniface et al.
D696,157 S		12/2013	Loeb			D754,572 S		4/2016	McMahan et al.
D699,629 S		2/2014	Ikeda et al.			D755,088 S		5/2016	McMahan et al.
D700,871 S		3/2014	O'Donnell et al.			D756,869 S		5/2016	McMahan et al.
D703,103 S		4/2014	Lee			D758,271 S		6/2016	McMahan et al.
D704,103 S		5/2014	Mack et al.			D758,928 S	*	6/2016	Messale D12/163
D705,132 S		5/2014	Ware et al.			D759,551 S	*	6/2016	Nakahara D12/163
D705,699 S		5/2014	Ware et al.			D763,152 S	*	8/2016	Frascella D12/190
D713,298 S		9/2014	Dyson			D764,975 S		8/2016	Aengenheyster
D713,764 S		9/2014	Ferlazzo et al.			D764,976 S		8/2016	Aengenheyster
D716,696 S		11/2014	Thole et al.			D766,782 S	*	9/2016	Arroba D12/163
D716,706 S		11/2014	Thole et al.			D767,449 S		9/2016	Pevovar et al.
D716,709 S		11/2014	Thole et al.			D767,450 S		9/2016	Lee et al.
D717,696 S		11/2014	Thole et al.			D767,451 S		9/2016	Kozub et al.
D718,189 S		11/2014	Krieg et al.			D767,454 S		9/2016	McMahan et al.
D718,683 S		12/2014	Thole et al.			D767,458 S		9/2016	Kim
D721,019 S	*	1/2015	Pevovar	.....	D12/163	D767,459 S		9/2016	Kim
D722,282 S		2/2015	Loeb			D767,460 S		9/2016	Kozub et al.
D722,533 S		2/2015	Thole et al.			D767,461 S		9/2016	Kozub et al.
D722,534 S		2/2015	Munson et al.			D769,159 S	*	10/2016	Platto D12/163
D724,510 S		3/2015	McMahan et al.			D769,160 S	*	10/2016	Platto D12/163
D725,001 S		3/2015	McMahan et al.			D771,528 S		11/2016	Smith et al.
D726,591 S		4/2015	Jacob			D771,529 S		11/2016	Thole et al.
D730,776 S		6/2015	Smart			D771,532 S		11/2016	Kapitonov
D730,783 S		6/2015	Henriques et al.			D771,533 S		11/2016	Kapitonov
D732,427 S		6/2015	Loeb			D772,766 S		11/2016	Kozub et al.
D732,429 S		6/2015	Loeb			D772,767 S		11/2016	Kim
D732,430 S		6/2015	Loeb			D773,084 S		11/2016	Kapitonov
D732,431 S		6/2015	Loeb			D773,086 S		11/2016	McCabe et al.
D732,432 S		6/2015	Aengenheyster			D773,963 S	*	12/2016	Battams D12/163
D732,433 S		6/2015	Aengenheyster			D774,226 S		12/2016	McCabe et al.
D732,435 S		6/2015	Mackay			D774,996 S	*	12/2016	Wheel D12/163
D733,002 S		6/2015	Loeb			D774,997 S	*	12/2016	Wheel D12/163
D735,611 S		8/2015	Aengenheyster			D774,998 S	*	12/2016	Munakata D12/163
D735,627 S		8/2015	Smith			D775,003 S		12/2016	Pevovar et al.
D736,123 S	*	8/2015	Hammoud	.....	D12/163	D775,007 S		12/2016	Thole et al.
D736,451 S		8/2015	Smith			D775,010 S		12/2016	Kim et al.
D739,306 S		9/2015	McMahan et al.			D775,049 S		12/2016	Scheer et al.
D739,317 S		9/2015	McMahan et al.			D775,549 S		1/2017	Karras
D741,223 S		10/2015	Kim et al.			D775,554 S	*	1/2017	Kapitonov D12/163
D743,309 S		11/2015	Thole et al.			D776,020 S	*	1/2017	Kapitonov D12/163
D743,313 S		11/2015	Smith et al.			D776,581 S		1/2017	Pevovar et al.
D743,314 S		11/2015	Thole et al.			D776,583 S		1/2017	Scheer et al.
D743,857 S		11/2015	McMahan et al.			D776,841 S		1/2017	Kozub et al.
D744,158 S		11/2015	Willett et al.			D776,843 S		1/2017	McCabe et al.
D745,086 S		12/2015	Finos et al.			D776,846 S		1/2017	Willett et al.
D745,719 S		12/2015	Boniface et al.			D777,359 S		1/2017	Kozub et al.
D745,725 S		12/2015	McMahan et al.			D777,360 S		1/2017	Kozub et al.
D745,726 S		12/2015	McMahan et al.			D777,361 S		1/2017	Kozub et al.
D745,837 S		12/2015	Smith et al.			D777,604 S		1/2017	McNerney
D746,726 S		1/2016	Smith et al.			D777,605 S		1/2017	Ferlazzo et al.
D746,727 S		1/2016	Smith et al.			D777,620 S		1/2017	Pevovar et al.
D746,728 S		1/2016	Smith et al.			D777,621 S		1/2017	Kim
D746,729 S		1/2016	Boniface et al.			D777,622 S		1/2017	Kozub et al.
D746,730 S		1/2016	Kim et al.			D777,628 S		1/2017	Kozub et al.
D747,514 S		1/2016	McMahan et al.			D777,955 S		1/2017	Willett et al.
D747,515 S		1/2016	McMahan et al.			D778,212 S		2/2017	Kozub et al.
D747,819 S		1/2016	Thole et al.			D778,215 S		2/2017	Kozub et al.
D749,021 S		2/2016	Boniface et al.			D780,064 S		2/2017	Smith et al.
D749,026 S		2/2016	Smith et al.			D780,067 S		2/2017	Zipfel et al.
D749,027 S		2/2016	McMahan et al.			D780,068 S		2/2017	Whitla et al.
D749,246 S		2/2016	Thole et al.			D780,077 S		2/2017	Kim et al.
D749,249 S		2/2016	Thole et al.			D780,081 S		2/2017	Lee
D749,250 S		2/2016	Thole et al.			D780,084 S		2/2017	Scheer et al.
D749,985 S		2/2016	Kozub et al.			D780,631 S		3/2017	Kozub et al.
D749,997 S		2/2016	McMahan et al.			D780,644 S		3/2017	Kim et al.
						D781,184 S		3/2017	Thole et al.
						D781,188 S	*	3/2017	Wolff D12/163
						D781,192 S		3/2017	Kozub et al.
						D782,379 S		3/2017	Wassell

(56)

References Cited

U.S. PATENT DOCUMENTS

D783,465 S *	4/2017	Choi	.....	D12/163	D795,759 S	8/2017	Kozub et al.	
D783,482 S	4/2017	Smith et al.			D795,760 S	8/2017	Kozub et al.	
D784,213 S	4/2017	Karras			D795,762 S	8/2017	Lee	
D784,223 S	4/2017	Lee			D795,763 S	8/2017	Kozub	
D784,226 S	4/2017	Cheng			D796,088 S	8/2017	McCabe et al.	
D784,579 S	4/2017	Cheng et al.			D796,093 S	8/2017	Mainville	
D784,877 S	4/2017	Lee			D796,390 S	9/2017	Pevovar et al.	
D784,886 S	4/2017	Smith et al.			D797,537 S	9/2017	Cooper et al.	
D785,521 S	5/2017	Smith et al.			D797,603 S	9/2017	Noone et al.	
D786,145 S *	5/2017	Kozub	.....	D12/163	D797,614 S	9/2017	Lee	
D786,149 S	5/2017	Pevovar et al.			D797,616 S	9/2017	Lee	
D786,743 S	5/2017	Smith et al.			D797,624 S	9/2017	Nakamura	
D786,750 S	5/2017	Lee			D797,625 S	9/2017	Perkins	
D787,446 S	5/2017	Cockerill			D797,631 S	9/2017	Pevovar et al.	
D787,984 S	5/2017	Fang			D797,632 S	9/2017	Zipfel et al.	
D787,988 S	5/2017	Lee			D797,967 S	9/2017	Barry	
D787,989 S	5/2017	Kozub et al.			D797,970 S	9/2017	Mainville	
D787,990 S	5/2017	Kozub et al.			D797,971 S	9/2017	Mainville	
D787,992 S	5/2017	Lee			D797,972 S	9/2017	Whitla et al.	
D787,993 S	5/2017	McCabe et al.			D798,204 S	9/2017	Mainville	
D788,001 S	5/2017	Lee			D799,384 S	10/2017	Kozub et al.	
D788,641 S	6/2017	Arnold			D799,385 S	10/2017	Kozub et al.	
D788,644 S	6/2017	Mueller			D799,386 S	10/2017	Kozub et al.	
D788,645 S	6/2017	Mueller			D799,728 S	10/2017	Whitla et al.	
D788,654 S *	6/2017	Curic	.....	D12/163	D801,236 S	10/2017	Kozub et al.	
D788,655 S *	6/2017	Curic	.....	D12/163	D801,577 S	10/2017	Ruiz	
D789,250 S	6/2017	Arnold			D801,882 S	11/2017	Kozub et al.	
D789,260 S	6/2017	Smith			D802,205 S	11/2017	Ruiz	
D789,575 S	6/2017	Willet			D802,478 S	11/2017	Perkins	
D789,841 S *	6/2017	Malczewski	.....	D12/163	D802,491 S	11/2017	Mainville	
D789,844 S *	6/2017	Sakai	.....	D12/163	D802,496 S	11/2017	Mainville	
D789,845 S *	6/2017	Oohashi	.....	D12/163	D802,502 S	11/2017	McMahan	
D789,849 S	6/2017	Lee			D803,727 S	11/2017	Noone et al.	
D790,412 S *	6/2017	Dunford	.....	D12/163	D803,731 S	11/2017	Zipfel	
D790,413 S *	6/2017	Doyle	.....	D12/164	D804,370 S	12/2017	Kozub et al.	
D791,018 S	7/2017	Mylenek			D804,371 S	12/2017	Whitla et al.	
D791,644 S	7/2017	Fang			D804,372 S	12/2017	Kozub	
D792,290 S	7/2017	Smith et al.			D804,378 S	12/2017	Perkins	
D792,293 S	7/2017	McCabe et al.			D804,379 S	12/2017	McMahan	
D792,294 S	7/2017	McCabe et al.			D805,006 S	12/2017	Nakamura	
D792,295 S	7/2017	McCabe et al.			D805,013 S	12/2017	Whitla	
D792,813 S *	7/2017	Kozub	.....	D12/163	D805,014 S	12/2017	Zipfel	
D792,814 S *	7/2017	Kozub	.....	D12/163	D805,441 S	12/2017	Karras	
D792,815 S	7/2017	Kozub			D805,964 S	12/2017	Whitla	
D792,816 S	7/2017	Kozub			D805,965 S	12/2017	Davis	
D793,290 S *	8/2017	Kozub	.....	D12/163	D805,966 S	12/2017	Perkins	
D793,292 S	8/2017	Lee			D805,985 S	12/2017	Nakamura	
D793,293 S	8/2017	Lee et al.			D807,232 S	1/2018	Bailie	
D793,294 S	8/2017	Lee			D807,239 S	1/2018	Perkins	
D793,295 S	8/2017	McCabe et al.			D807,240 S	1/2018	Perkins	
D793,296 S	8/2017	Smith et al.			D807,241 S	1/2018	Perkins	
D793,297 S	8/2017	Smith et al.			D809,442 S	2/2018	Zipfel et al.	
D793,299 S	8/2017	Kreig et al.			D811,269 S	2/2018	Thompson et al.	
D793,300 S	8/2017	Kreig et al.			D811,942 S	3/2018	Jacob	
D793,301 S	8/2017	Kozub			D811,957 S	3/2018	Whitla et al.	
D793,302 S	8/2017	Kozub			D811,958 S	3/2018	Zipfel et al.	
D793,311 S	8/2017	Whitla et al.			D811,959 S	3/2018	Perkins	
D793,590 S	8/2017	Kozub et al.			D811,960 S	3/2018	Nakamura	
D793,591 S	8/2017	Kozub et al.			D811,961 S	3/2018	Sullivan	
D793,917 S	8/2017	Kozub			D811,962 S	3/2018	Sullivan	
D793,918 S *	8/2017	Kozub	.....	D12/163	D811,963 S	3/2018	Sullivan	
D794,229 S	8/2017	Barry			D811,964 S	3/2018	Perkins	
D794,230 S	8/2017	Kozub			D811,965 S	3/2018	Moffett et al.	
D794,517 S *	8/2017	Woolley	.....	D12/163	D812,525 S	3/2018	Lee	
D795,747 S	8/2017	Bailie			D812,526 S	3/2018	Zipfel et al.	
D795,757 S	8/2017	Pevovar et al.			D812,527 S	3/2018	Perkins	
D795,758 S	8/2017	Karras			D812,528 S	3/2018	Nakamura	
					2016/0031395 A1 *	2/2016	Huang	..... B62D 25/12 180/68.1

* cited by examiner

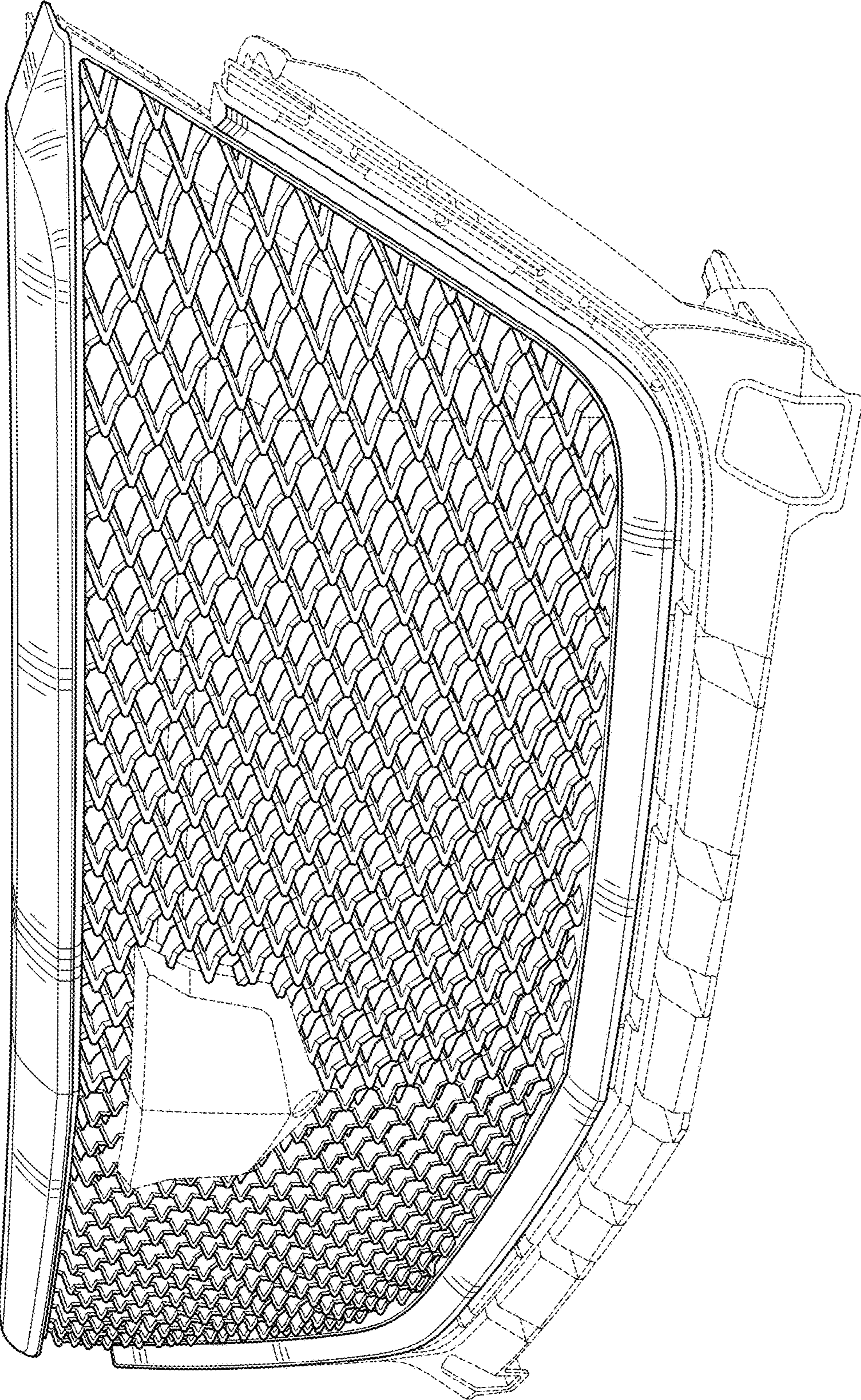


FIG. 1

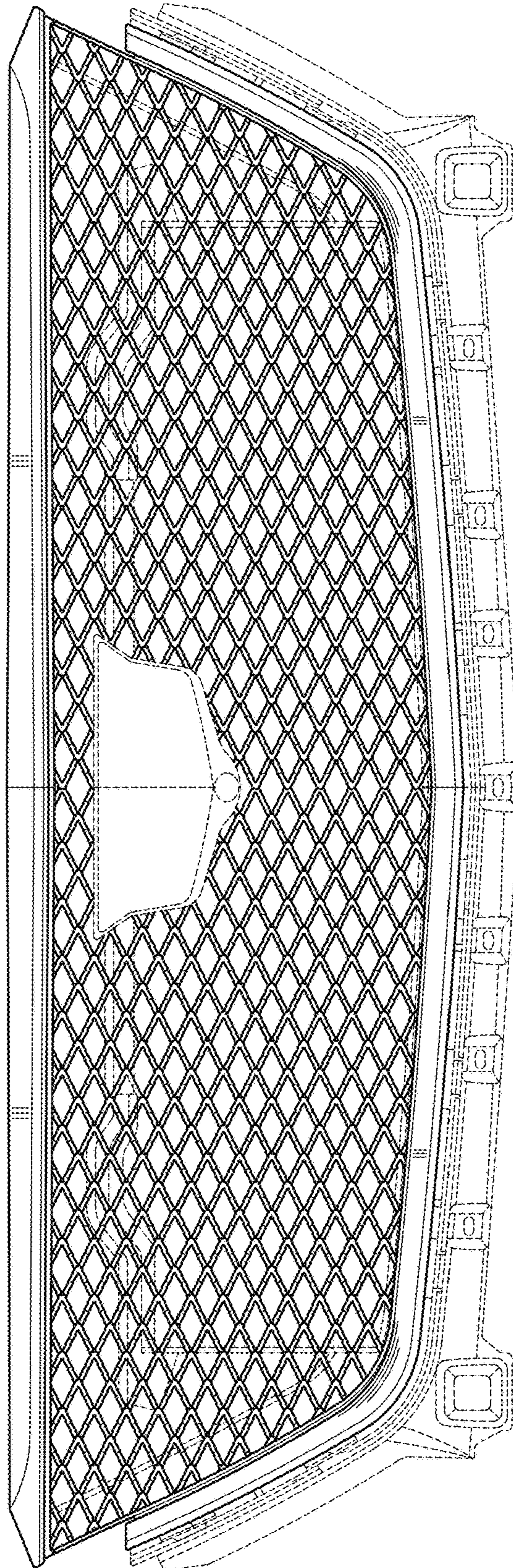


FIG. 2

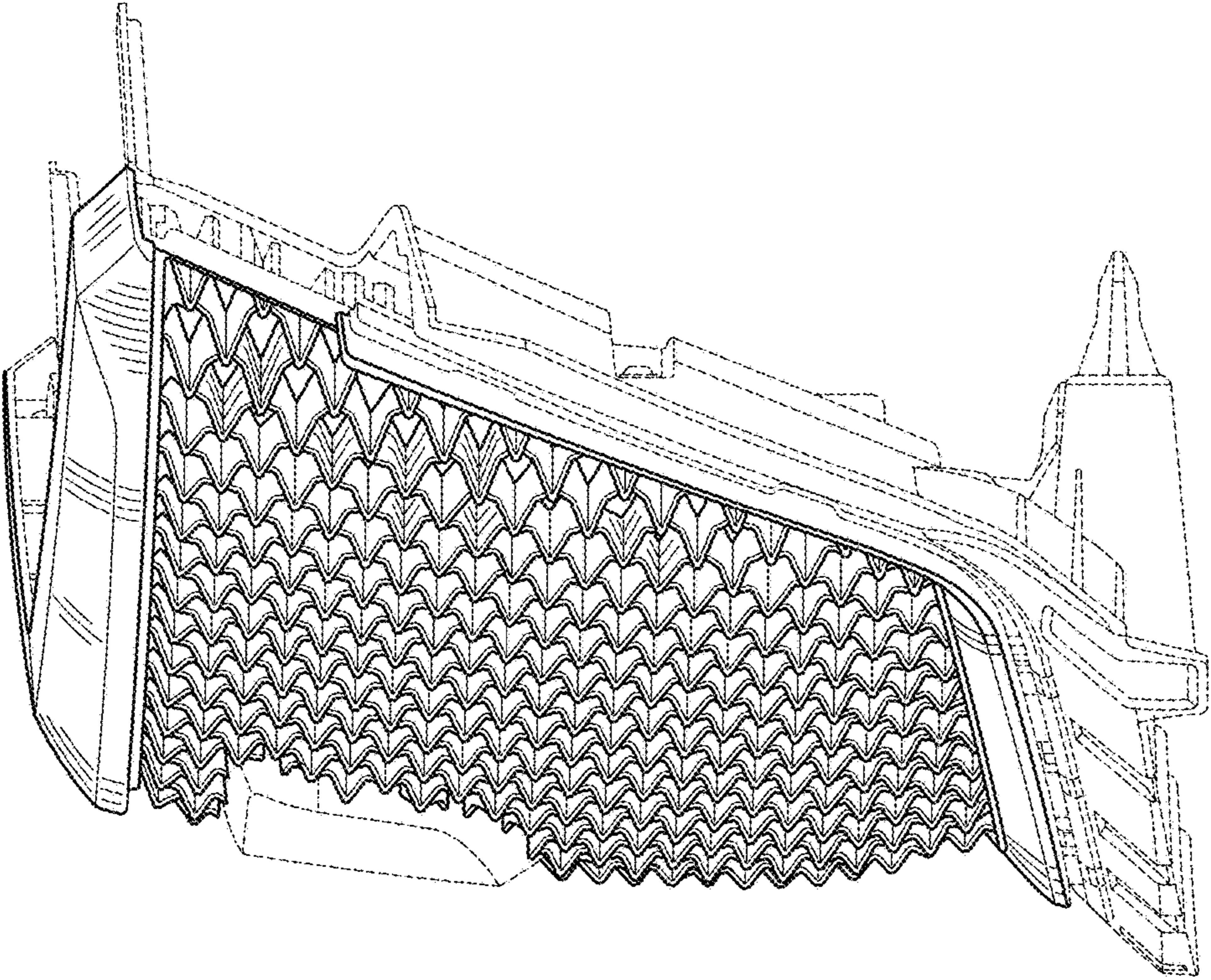


FIG. 3

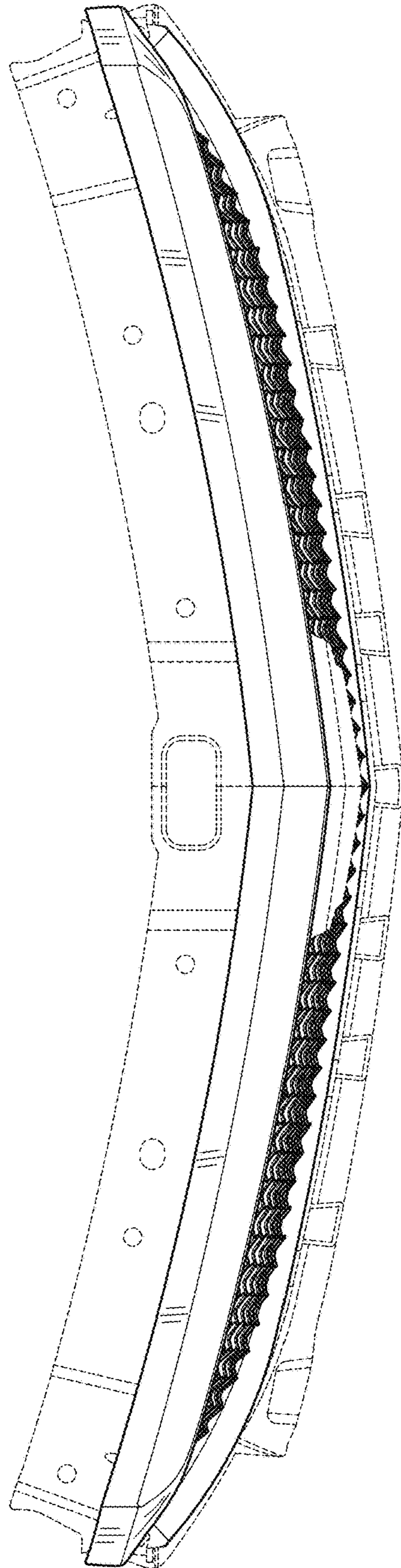


FIG. 4