



US00D863138S

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

(10) **Patent No.:** **US D863,138 S**

(45) **Date of Patent:** **** Oct. 15, 2019**

(54) **VEHICLE GRILLE**

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

(72) Inventors: **Young S. Kim**, Canton, MI (US);
Panayiotis J. Karras, Rochester, MI (US); **Bobin Kil**, Rochester, MI (US)

(73) Assignee: **GM GLOBAL TECHNOLOGY OPERATIONS LLC**, D, MI (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/640,401**

(22) Filed: **Mar. 14, 2018**

(51) **LOC (12) Cl.** **12-16**

(52) **U.S. Cl.**
USPC **D12/163**

(58) **Field of Classification Search**
USPC D12/163, 164, 165, 166, 167, 168, 169,
D12/170, 171, 172, 173, 181
CPC B60K 11/08; B62L 39/16; B60R 19/50;
B62D 25/08
See application file for complete search history.

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.

(Continued)

Primary Examiner — Susan Bennett Hattan
Assistant Examiner — Suzanne E Tisdell

(57) **CLAIM**

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

DESCRIPTION

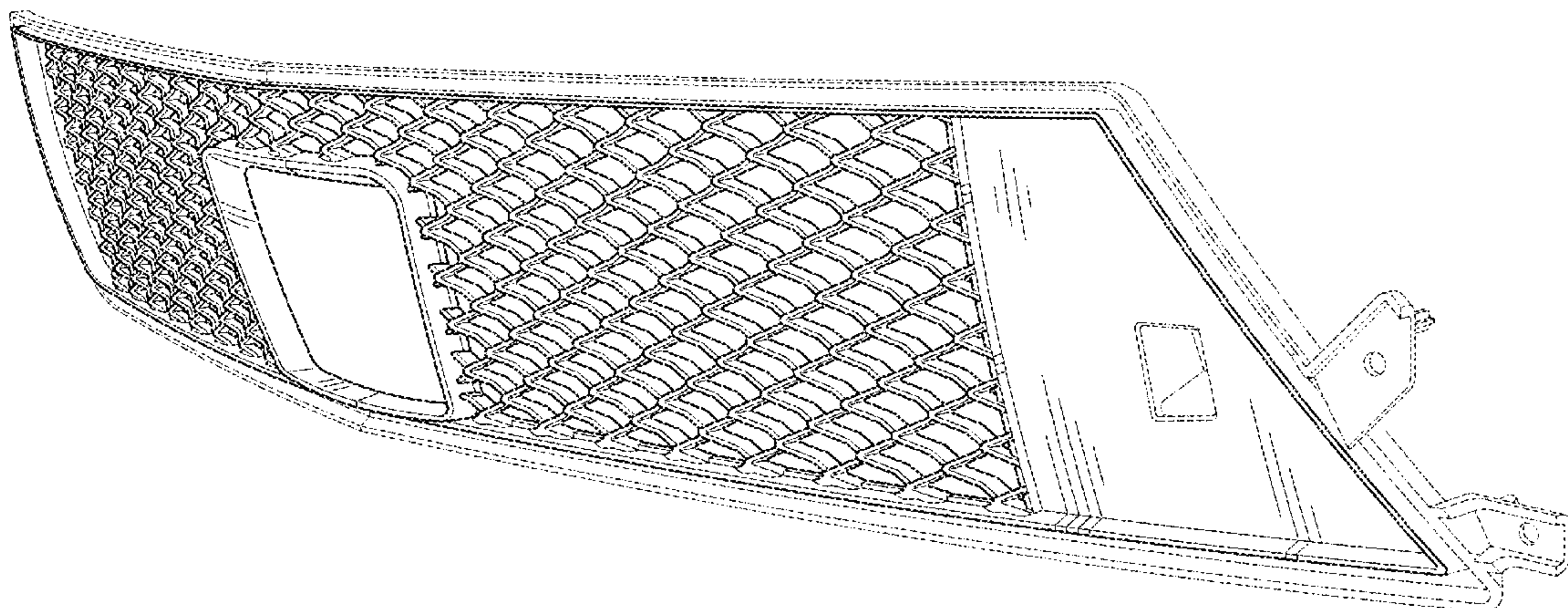
FIG. 1 is a perspective view of the vehicle grille;
FIG. 2 is a front view thereof;
FIG. 3 is a left side view thereof (the right side view being substantially a mirror image thereof, with the exception of the broken-line features residing on the left and right end portions of the vehicle grille); and,
FIG. 4 is a bottom 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

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



(56)

References Cited

U.S. PATENT DOCUMENTS

D668,183 S	10/2012	Smart	
D668,590 S *	10/2012	Furst	D12/163
D670,214 S *	11/2012	Watanabe	D12/163
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	
D682,752 S *	5/2013	Yoshida	D12/163
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.	
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.	
D705,699 S	5/2014	Ware et al.	
D713,298 S	9/2014	Dyson	
D713,764 S	9/2014	Ferlazzo et al.	
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.	
D721,019 S *	1/2015	Pevovar	D12/163
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.	
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	
D735,611 S	8/2015	Aengenheyster	
D735,627 S	8/2015	Smith	
D736,123 S *	8/2015	Hammoud	D12/163
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.	
D749,985 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.	
D754,037 S *	4/2016	Behmer	D12/163
D754,571 S	4/2016	Boniface et al.	
D754,572 S	4/2016	McMahan et al.	
D755,088 S	5/2016	McMahan et al.	
D756,869 S	5/2016	McMahan et al.	
D758,271 S	6/2016	McMahan et al.	
D758,928 S *	6/2016	Messale	D12/163
D759,551 S *	6/2016	Nakahara	D12/163
D763,152 S *	8/2016	Frascella	D12/190
D764,975 S	8/2016	Aengenheyster	
D764,976 S	8/2016	Aengenheyster	
D766,782 S *	9/2016	Arroba	D12/163
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.	
D769,159 S *	10/2016	Platto	D12/163
D769,160 S *	10/2016	Platto	D12/163
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.	
D773,963 S *	12/2016	Battams	D12/163
D774,226 S	12/2016	McCabe et al.	
D774,996 S *	12/2016	Wheel	D12/163
D774,997 S *	12/2016	Wheel	D12/163
D774,998 S *	12/2016	Munakata	D12/163
D775,003 S	12/2016	Pevovar et al.	
D775,007 S	12/2016	Thole et al.	
D775,010 S	12/2016	Kim et al.	
D775,049 S	12/2016	Scheer et al.	
D775,549 S	1/2017	Karras	
D775,554 S *	1/2017	Kapitonov	D12/163
D776,020 S *	1/2017	Kapitonov	D12/163
D776,581 S	1/2017	Pevovar et al.	
D776,583 S	1/2017	Scheer et al.	
D776,841 S	1/2017	Kozub et al.	
D776,843 S	1/2017	McCabe et al.	
D776,846 S	1/2017	Willett et al.	
D777,359 S	1/2017	Kozub et al.	
D777,360 S	1/2017	Kozub et al.	
D777,361 S	1/2017	Kozub et al.	
D777,604 S	1/2017	McNerney	
D777,605 S	1/2017	Ferlazzo et al.	
D777,620 S	1/2017	Pevovar et al.	
D777,621 S	1/2017	Kim	
D777,622 S	1/2017	Kozub et al.	
D777,628 S	1/2017	Kozub et al.	
D777,955 S	1/2017	Willett et al.	
D778,212 S	2/2017	Kozub et al.	
D778,215 S	2/2017	Kozub et al.	
D780,064 S	2/2017	Smith et al.	
D780,067 S	2/2017	Zipfel et al.	
D780,068 S	2/2017	Whitla et al.	
D780,077 S	2/2017	Kim et al.	
D780,081 S	2/2017	Lee	
D780,084 S	2/2017	Scheer et al.	
D780,631 S	3/2017	Kozub 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

(56)

References Cited

U.S. PATENT DOCUMENTS

D781,192 S	3/2017	Kozub et al.	D795,758 S	8/2017	Karras
D782,379 S	3/2017	Wassell	D795,759 S	8/2017	Kozub et al.
D783,465 S *	4/2017	Choi D12/163	D795,760 S	8/2017	Kozub et al.
D783,482 S	4/2017	Smith et al.	D795,762 S	8/2017	Lee
D784,213 S	4/2017	Karras	D795,763 S	8/2017	Kozub
D784,223 S	4/2017	Lee	D796,088 S	8/2017	McCabe et al.
D784,226 S	4/2017	Cheng	D796,093 S	8/2017	Mainville
D784,579 S	4/2017	Cheng et al.	D796,390 S	9/2017	Pevovar et al.
D784,877 S	4/2017	Lee	D797,537 S	9/2017	Cooper et al.
D784,886 S	4/2017	Smith et al.	D797,603 S	9/2017	Noone et al.
D785,521 S	5/2017	Smith et al.	D797,614 S	9/2017	Lee
D786,145 S *	5/2017	Kozub D12/163	D797,616 S	9/2017	Lee
D786,149 S	5/2017	Pevovar et al.	D797,624 S	9/2017	Nakamura
D786,743 S	5/2017	Smith et al.	D797,625 S	9/2017	Perkins
D786,750 S	5/2017	Lee	D797,631 S	9/2017	Pevovar et al.
D787,446 S	5/2017	Cockerill	D797,632 S	9/2017	Zipfel et al.
D787,984 S	5/2017	Fang	D797,967 S	9/2017	Barry
D787,988 S	5/2017	Lee	D797,970 S	9/2017	Mainville
D787,989 S	5/2017	Kozub et al.	D797,971 S	9/2017	Mainville
D787,990 S	5/2017	Kozub et al.	D797,972 S	9/2017	Whitla et al.
D787,992 S	5/2017	Lee	D798,204 S	9/2017	Mainville
D787,993 S	5/2017	McCabe et al.	D799,384 S	10/2017	Kozub et al.
D788,001 S	5/2017	Lee	D799,385 S	10/2017	Kozub et al.
D788,641 S	6/2017	Arnold	D799,386 S	10/2017	Kozub et al.
D788,644 S	6/2017	Mueller	D799,728 S	10/2017	Whitla et al.
D788,645 S	6/2017	Mueller	D801,236 S	10/2017	Kozub et al.
D788,654 S *	6/2017	Curic D12/163	D801,577 S	10/2017	Ruiz
D788,655 S *	6/2017	Curic D12/163	D801,882 S	11/2017	Kozub et al.
D789,250 S	6/2017	Arnold	D802,205 S	11/2017	Ruiz
D789,260 S	6/2017	Smith	D802,478 S	11/2017	Perkins
D789,575 S	6/2017	Willett	D802,491 S	11/2017	Mainville
D789,841 S *	6/2017	Malczewski D12/163	D802,496 S	11/2017	Mainville
D789,844 S *	6/2017	Sakai D12/163	D802,502 S	11/2017	McMahan
D789,845 S *	6/2017	Oohashi D12/163	D803,727 S	11/2017	Noone et al.
D789,849 S	6/2017	Lee	D803,731 S	11/2017	Zipfel et al.
D790,412 S *	6/2017	Dunford D12/163	D804,370 S	12/2017	Kozub et al.
D790,413 S *	6/2017	Doyle D12/164	D804,371 S	12/2017	Whitla et al.
D791,018 S	7/2017	Mylenek	D804,372 S	12/2017	Kozub
D791,644 S	7/2017	Fang	D804,378 S	12/2017	Perkins
D792,290 S	7/2017	Smith et al.	D804,379 S	12/2017	McMahan
D792,293 S	7/2017	McCabe et al.	D805,006 S	12/2017	Nakamura
D792,294 S	7/2017	McCabe et al.	D805,013 S	12/2017	Whitla
D792,295 S	7/2017	McCabe et al.	D805,014 S	12/2017	Zipfel
D792,813 S *	7/2017	Kozub D12/163	D805,441 S	12/2017	Karras
D792,814 S *	7/2017	Kozub D12/163	D805,964 S	12/2017	Whitla
D792,815 S	7/2017	Kozub	D805,965 S	12/2017	Davis
D792,816 S	7/2017	Kozub	D805,966 S	12/2017	Perkins
D793,290 S *	8/2017	Kozub D12/163	D805,985 S	12/2017	Nakamura
D793,292 S	8/2017	Lee	D807,232 S	1/2018	Bailie
D793,293 S	8/2017	Lee et al.	D807,239 S	1/2018	Perkins
D793,294 S	8/2017	Lee	D807,240 S	1/2018	Perkins
D793,295 S	8/2017	McCabe et al.	D807,241 S	1/2018	Perkins
D793,296 S	8/2017	Smith et al.	D809,442 S	2/2018	Zipfel et al.
D793,297 S	8/2017	Smith et al.	D811,269 S	2/2018	Thompson et al.
D793,299 S	8/2017	Krieg et al.	D811,942 S	3/2018	Jacob
D793,300 S	8/2017	Krieg et al.	D811,957 S	3/2018	Whitla et al.
D793,301 S	8/2017	Kozub	D811,958 S	3/2018	Zipfel et al.
D793,302 S	8/2017	Kozub	D811,959 S	3/2018	Perkins
D793,311 S	8/2017	Whitla et al.	D811,960 S	3/2018	Nakamura
D793,590 S	8/2017	Kozub et al.	D811,961 S	3/2018	Sullivan
D793,591 S	8/2017	Kozub et al.	D811,962 S	3/2018	Sullivan
D793,917 S	8/2017	Kozub	D811,963 S	3/2018	Sullivan
D793,918 S *	8/2017	Kozub D12/163	D811,964 S	3/2018	Perkins
D794,229 S	8/2017	Barry	D811,965 S	3/2018	Moffett et al.
D794,230 S	8/2017	Kozub	D812,525 S	3/2018	Lee
D794,517 S *	8/2017	Woolley D12/163	D812,526 S	3/2018	Zipfel et al.
D795,747 S	8/2017	Bailie	D812,527 S	3/2018	Perkins
D795,757 S	8/2017	Pevovar et al.	D812,528 S	3/2018	Nakamura
			2016/0031395 A1 *	2/2016	Huang B62D 25/12 180/68.1

* cited by examiner

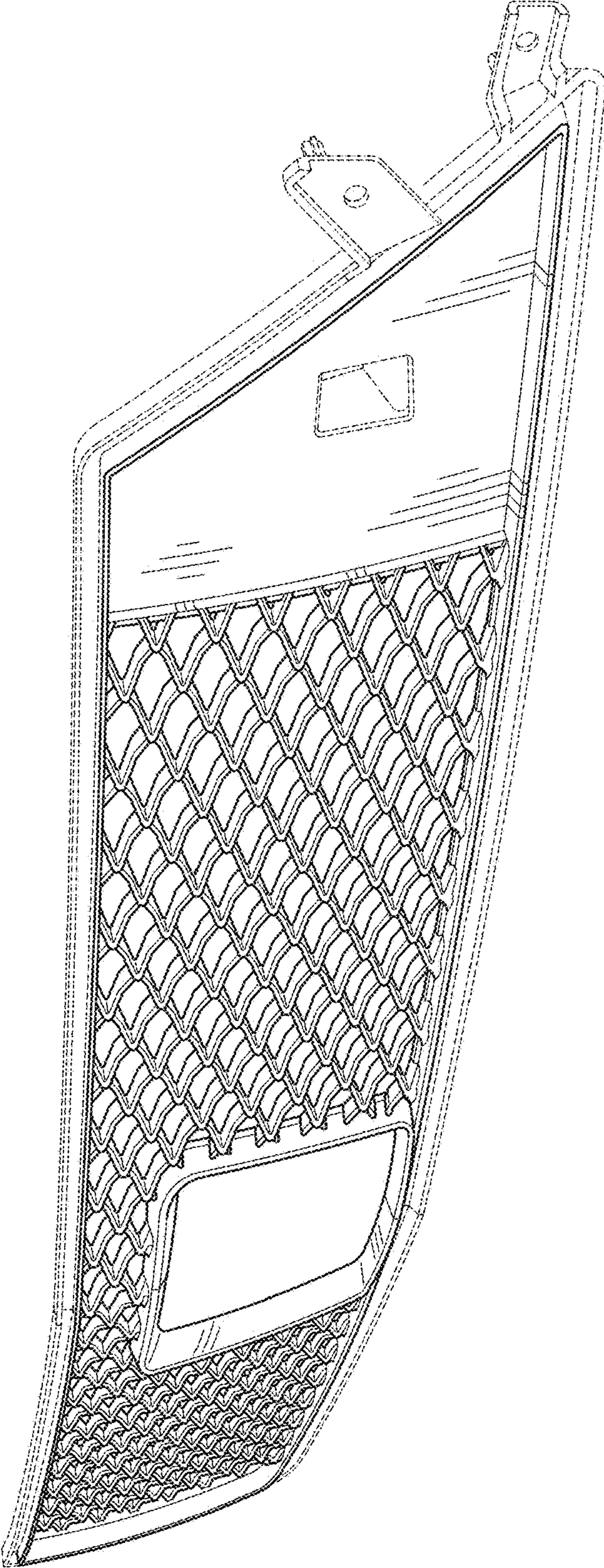


FIG. 1

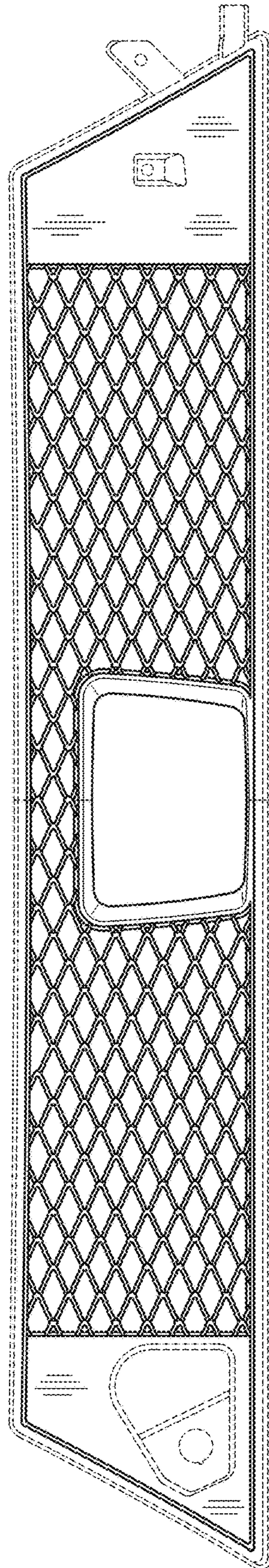


FIG. 2

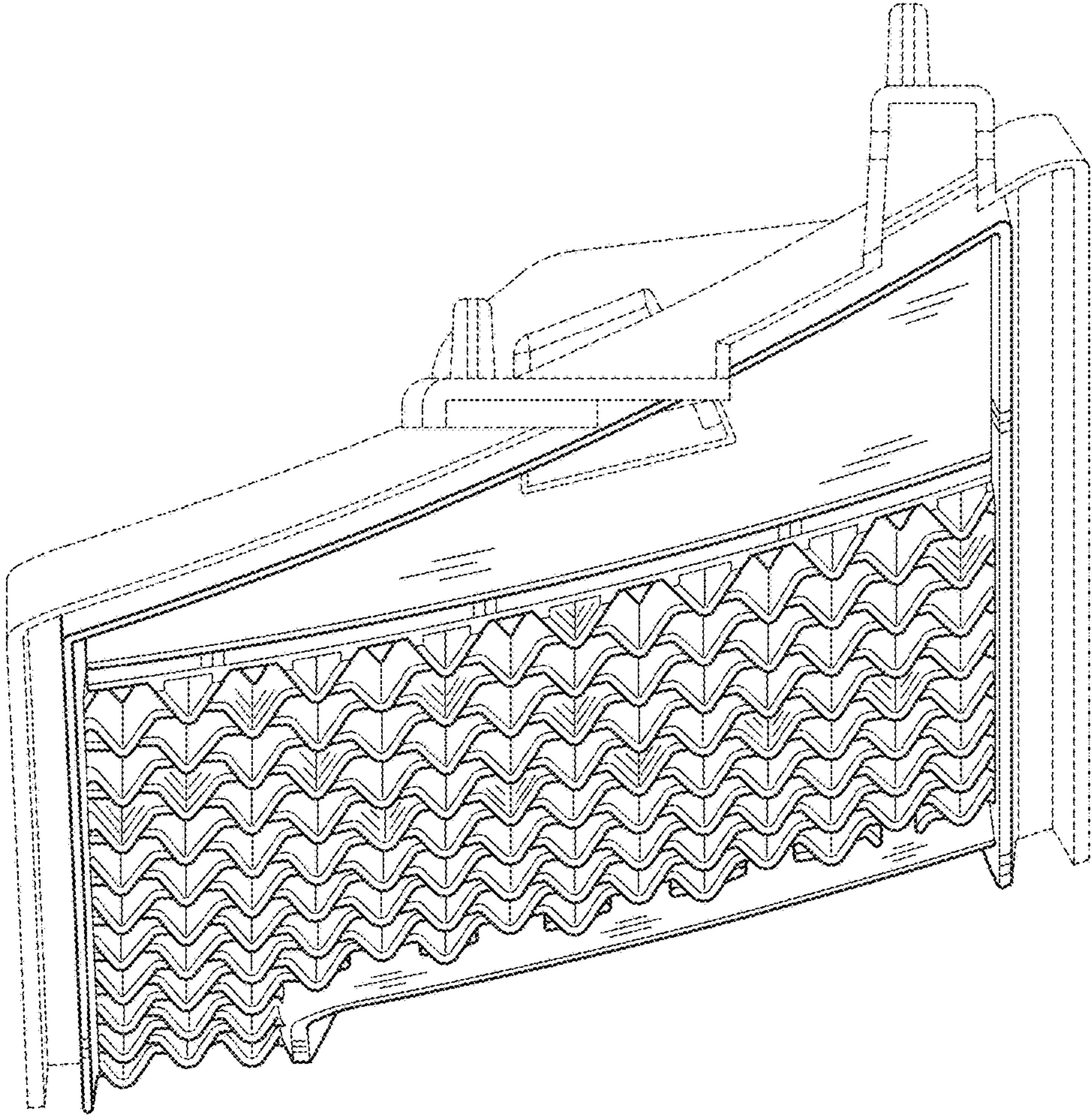


FIG. 3

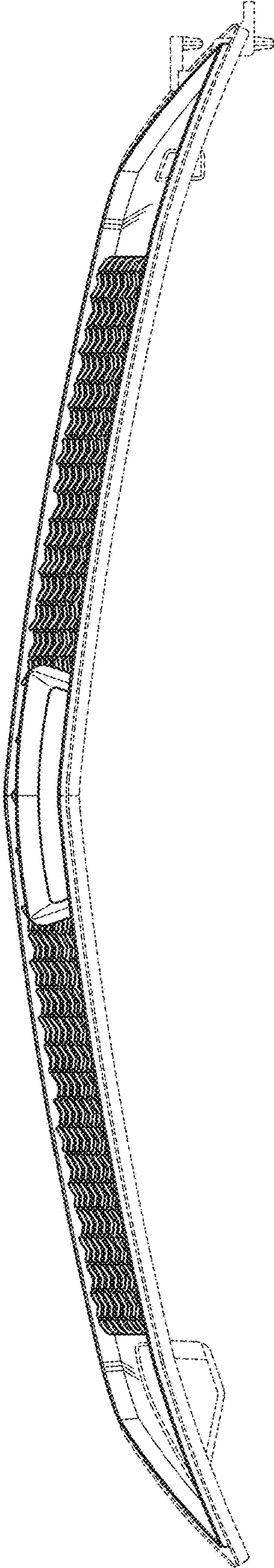


FIG. 4