US00D863137S

(12) United States Design Patent

Kim et al.

(10) Patent No.: US D863,137 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**, Detroit, MI (US)

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

(21) Appl. No.: **29/640,391**

(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.

(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

(Continued)

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

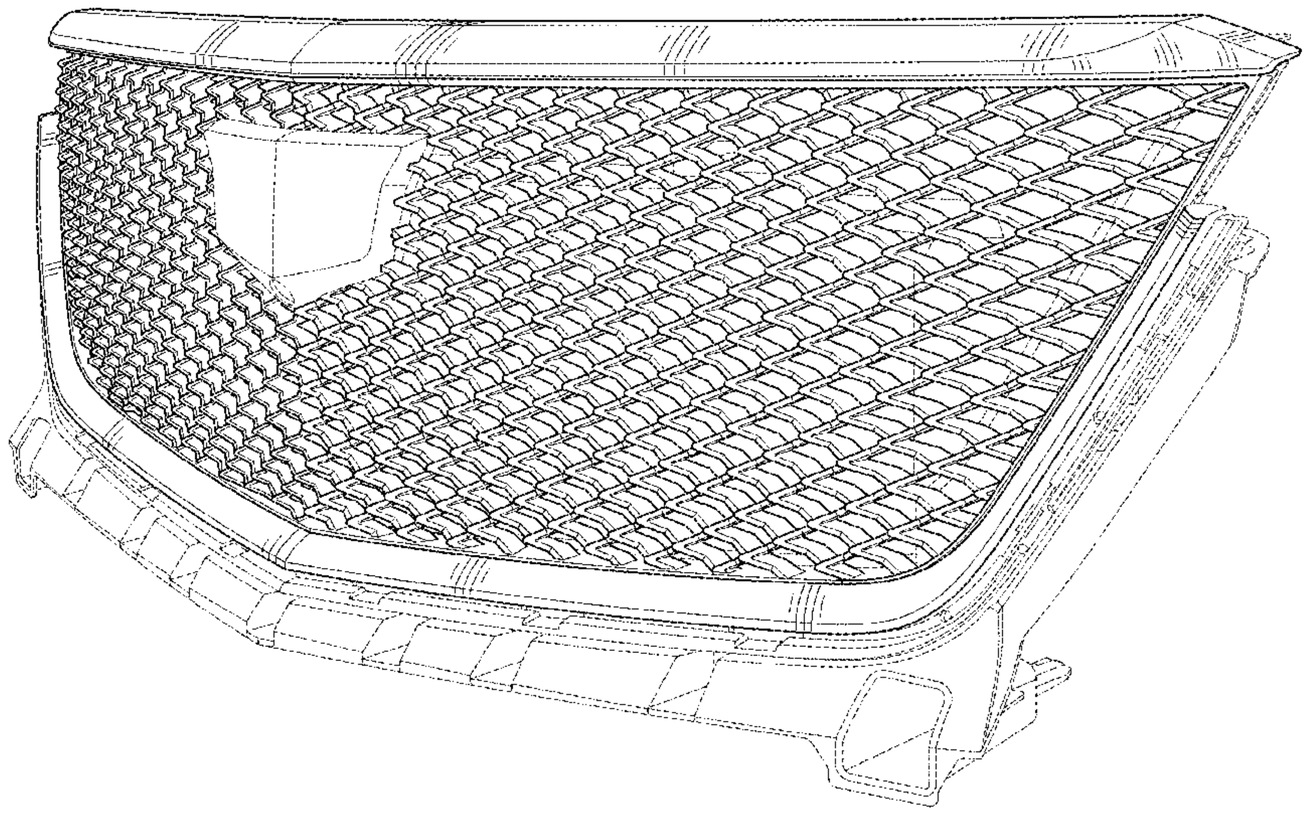
(57) **CLAIM**

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

* cited by examiner

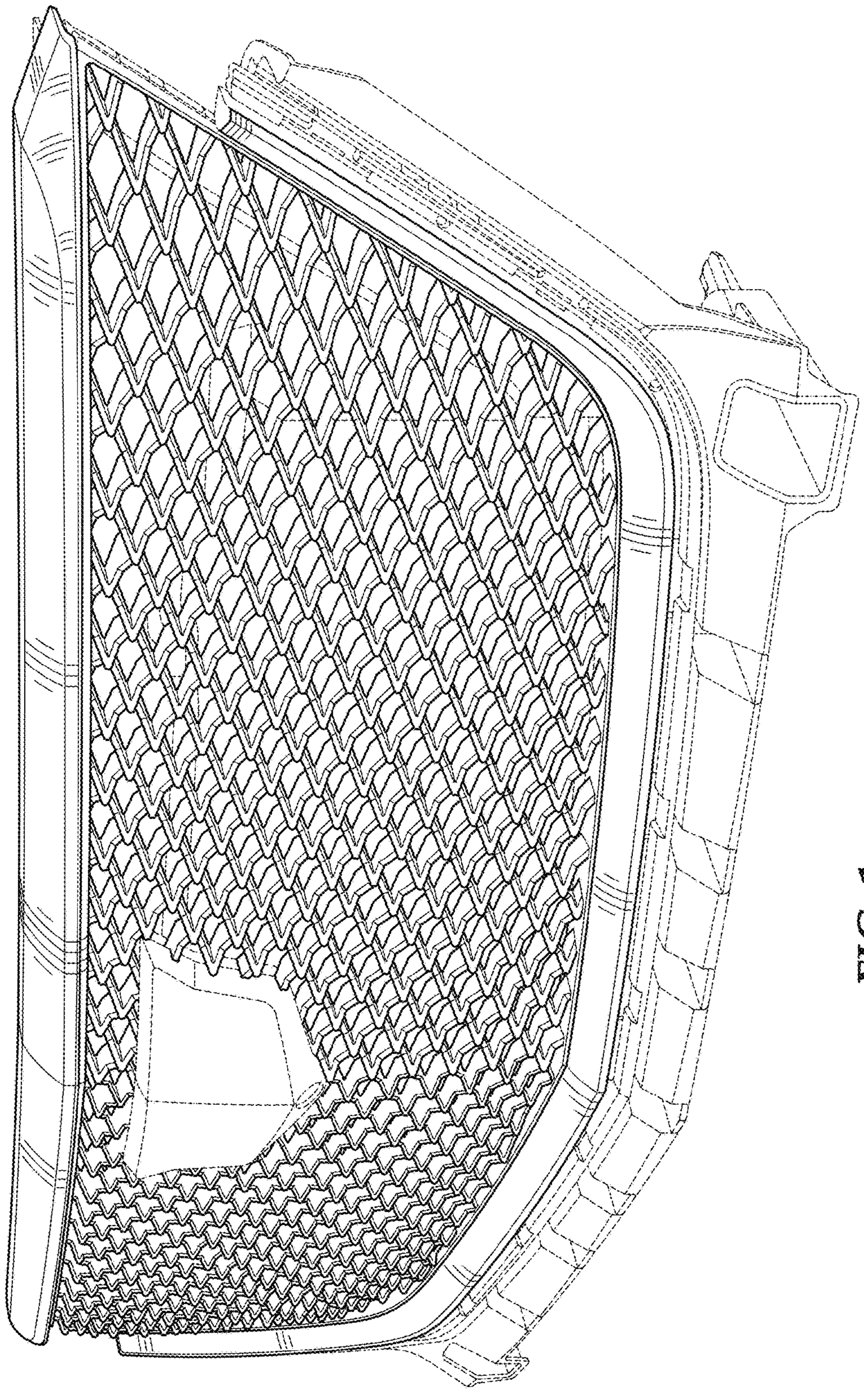


FIG. 1

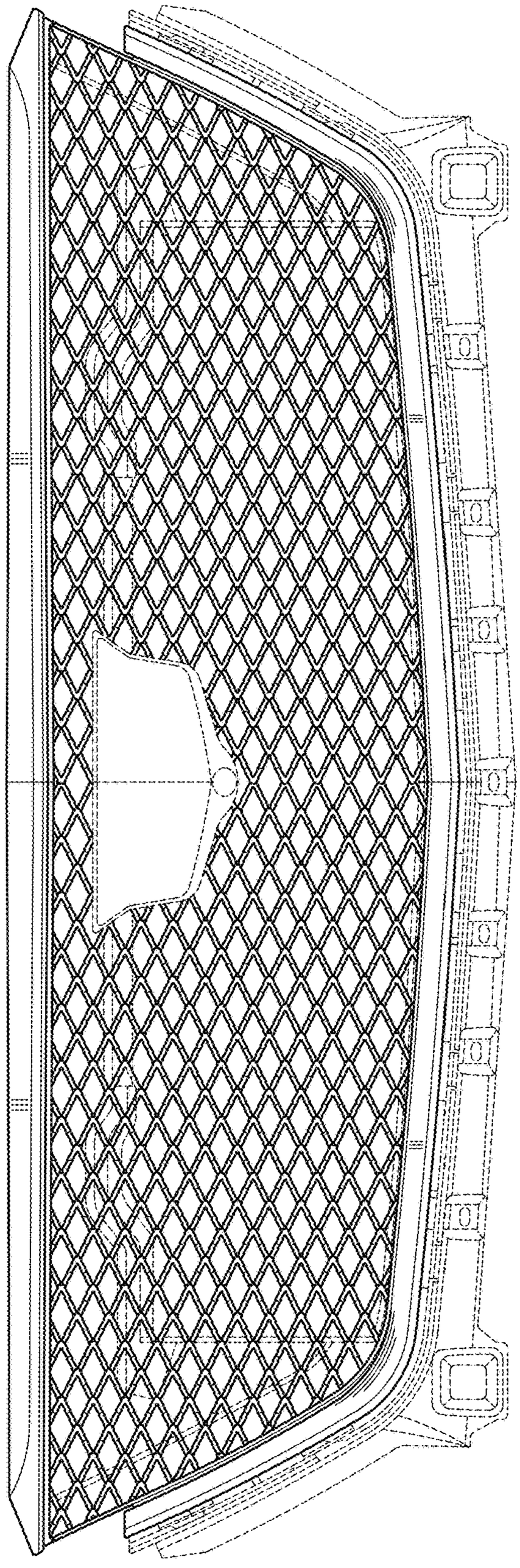


FIG. 2

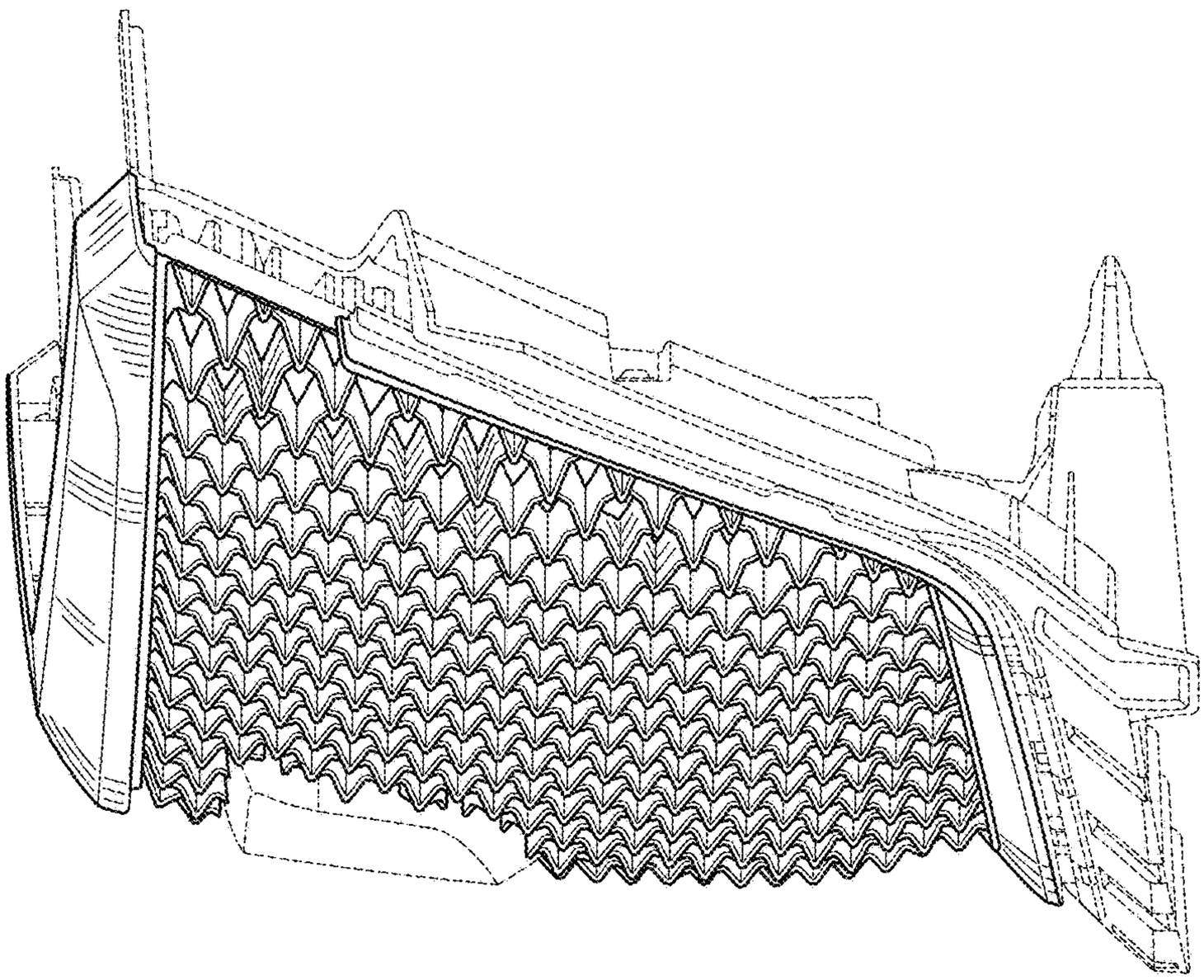


FIG. 3

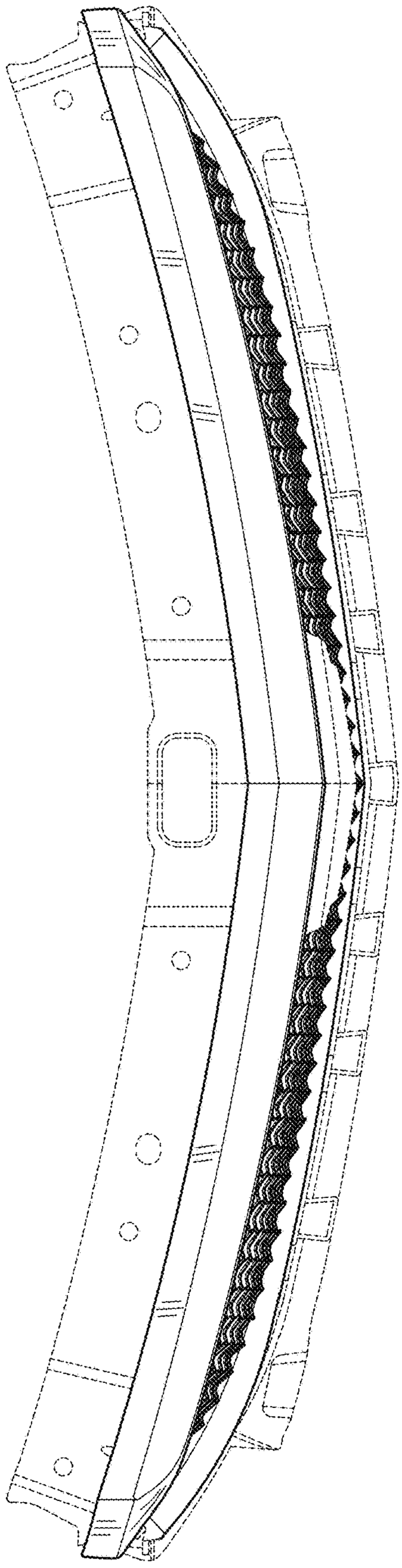


FIG. 4