



US00D857568S

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

(10) **Patent No.:** **US D857,568 S**
(45) **Date of Patent:** **** Aug. 27, 2019**

- (54) **VEHICLE GRILLE**
- (71) Applicant: **GM GLOBAL TECHNOLOGY OPERATIONS LLC**, Detroit, MI (US)
- (72) Inventors: **Yungu Lee**, Seoul (KR); **Daeil Lim**, Seoul (KR); **Jinyoong Cha**, Bucheon-si (KR)
- (73) Assignee: **GM Global Technology Operations LLC**, Detroit, MI (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/635,527**
- (22) Filed: **Jan. 31, 2018**
- (30) **Foreign Application Priority Data**

| | | |
|--------------|---------|------------------------|
| 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 |
| D642,964 S * | 8/2011 | Miyazawa D12/163 |

- Oct. 20, 2017 (KR) 30-2017-0048987
- (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.

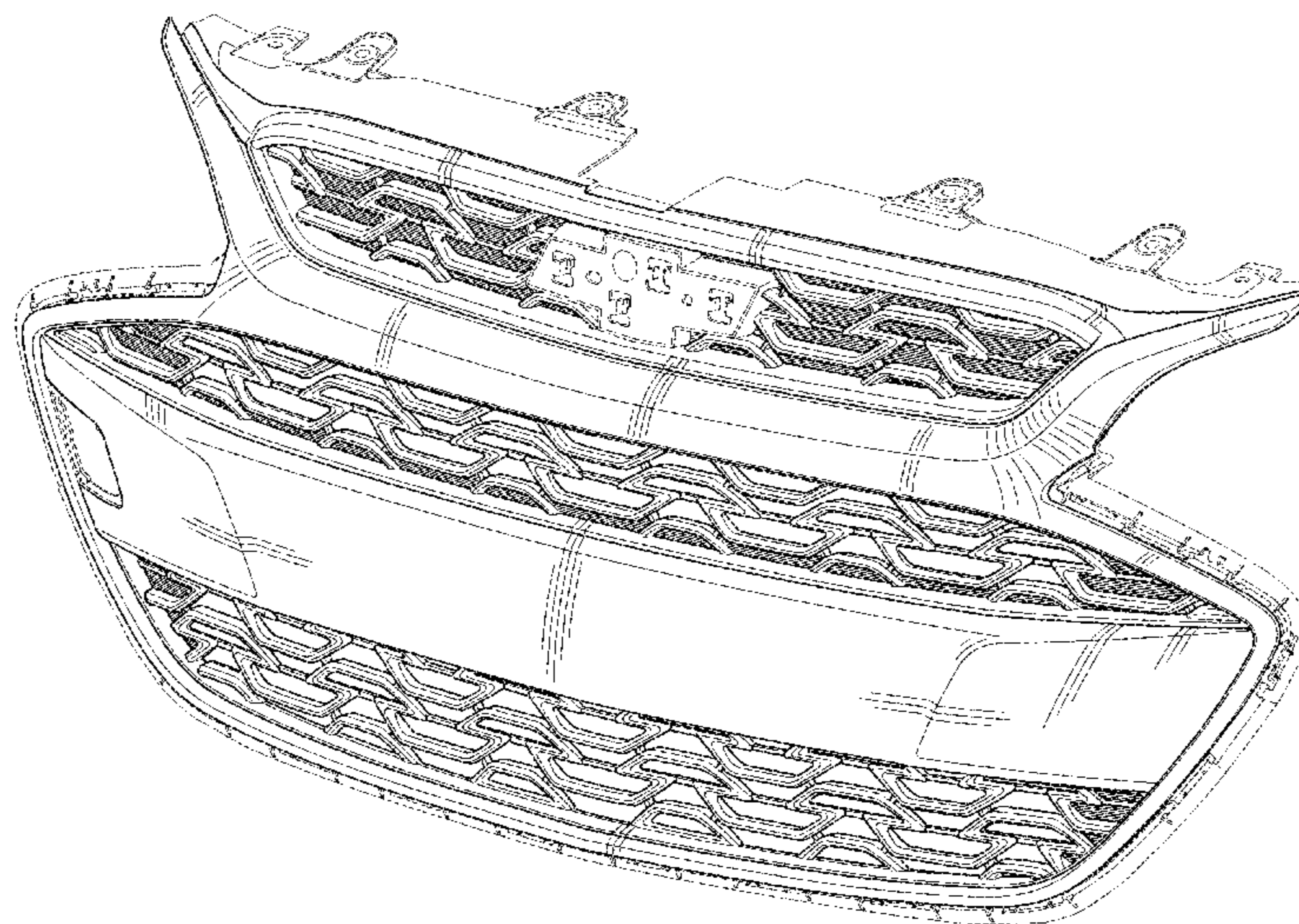
Primary Examiner — Susan Bennett Hattan
Assistant Examiner — Suzanne E Tisdell
 (74) *Attorney, Agent, or Firm* — Reising Ethington, P.C.

- (56) **References Cited**
U.S. PATENT DOCUMENTS
- 6,328,358 B1 * 12/2001 Berweiler B60R 19/52
180/68.6
- D570,742 S 6/2008 Takagi et al.
- D584,196 S * 1/2009 Ebel D12/163
- 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.

(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 elevation view thereof;
 FIG. 3 is right side view thereof;
 FIG. 4 is a left side view thereof;
 FIG. 5 is a top plan view thereof;
 FIG. 6 is a bottom plan view thereof; and,
 FIG. 7 is a rear elevation view thereof.
 The broken lines in the drawings illustrate portions of the vehicle grille that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | |
|--------------|-----------|---------------------|------------|
| D644,147 S | 8/2011 | Suh et al. | |
| D644,567 S | 9/2011 | Kozub | |
| D647,011 S | * 10/2011 | Verhee | D12/169 |
| 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 |
| D678,820 S | 3/2013 | Song et al. | |
| D678,821 S | 3/2013 | Ikeda et al. | |
| D679,225 S | * 4/2013 | Gifford | D12/163 |
| D680,909 S | 4/2013 | Munson et al. | |
| D680,910 S | 4/2013 | David | |
| D680,918 S | * 4/2013 | Yamada | 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. | |
| D701,151 S | * 3/2014 | Cartabiano | D12/169 |
| D703,103 S | 4/2014 | Lee | |
| D703,108 S | * 4/2014 | Futschik | D12/163 |
| D704,103 S | 5/2014 | Mack et al. | |
| D705,132 S | 5/2014 | Ware et al. | |
| D705,699 S | * 5/2014 | Ware | D12/91 |
| D711,794 S | * 8/2014 | Okamura | D12/169 |
| D713,298 S | 9/2014 | Dyson | |
| D713,764 S | 9/2014 | Ferlazzo et al. | |
| D716,197 S | * 10/2014 | Terui | D12/163 |
| 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 | D12/91 |
| 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 | |
| D736,451 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. | |
| D748,543 S | * 2/2016 | Nissl | D12/169 |
| 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. | |
| D754,571 S | 4/2016 | Boniface et al. | |
| D754,572 S | 4/2016 | McMahan et al. | |
| D755,088 S | * 5/2016 | McMahan | D12/163 |
| D756,869 S | 5/2016 | McMahan et al. | |
| D758,271 S | 6/2016 | McMahan et al. | |
| D763,152 S | * 8/2016 | Frascella | D12/190 |
| D764,975 S | 8/2016 | Aengenheyster | |
| D764,976 S | 8/2016 | Aengenheyster | |
| 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. | |
| 9,469,187 B1 | * 10/2016 | Ho | B60K 11/08 |
| 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. | |
| D774,226 S | 12/2016 | McCabe et al. | |
| D775,003 S | * 12/2016 | Pevovar | D12/163 |
| 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 | D12/163 |

(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|--------------|--------|-----------------------|-------------------|---------|---------------------------------------|
| D781,184 S | 3/2017 | Thole et al. | D795,760 S | 8/2017 | Kozub et al. |
| D781,192 S | 3/2017 | Kozub et al. | D795,762 S | 8/2017 | Lee |
| D782,379 S | 3/2017 | Wassell | D795,763 S | 8/2017 | Kozub |
| D782,943 S * | 4/2017 | Kavaja D12/163 | D796,088 S | 8/2017 | McCabe et al. |
| D782,944 S * | 4/2017 | Pevovar D12/163 | D796,093 S | 8/2017 | Mainville |
| D783,482 S | 4/2017 | Smith et al. | D796,390 S | 9/2017 | Pevovar et al. |
| D784,213 S | 4/2017 | Karras | D797,537 S | 9/2017 | Cooper et al. |
| D784,223 S | 4/2017 | Lee | D797,603 S | 9/2017 | Noone et al. |
| D784,226 S | 4/2017 | Cheng | D797,614 S | 9/2017 | Lee |
| D784,579 S | 4/2017 | Cheng et al. | D797,616 S | 9/2017 | Lee |
| D784,877 S | 4/2017 | Lee | D797,624 S | 9/2017 | Nakamura |
| D784,886 S | 4/2017 | Smith et al. | D797,625 S | 9/2017 | Perkins |
| D785,521 S | 5/2017 | Smith et al. | D797,631 S | 9/2017 | Pevovar et al. |
| D786,145 S * | 5/2017 | Kozub D12/163 | D797,632 S | 9/2017 | Zipfel et al. |
| D786,149 S | 5/2017 | Pevovar et al. | D797,967 S | 9/2017 | Barry |
| D786,743 S | 5/2017 | Smith et al. | D797,970 S | 9/2017 | Mainville |
| D786,750 S | 5/2017 | Lee | D797,971 S | 9/2017 | Mainville |
| D787,446 S | 5/2017 | Cockerill | D797,972 S | 9/2017 | Whitla et al. |
| D787,984 S | 5/2017 | Fang | D798,204 S | 9/2017 | Mainville |
| D787,988 S | 5/2017 | Lee | D799,384 S | 10/2017 | Kozub et al. |
| D787,989 S | 5/2017 | Kozub et al. | D799,385 S | 10/2017 | Kozub et al. |
| D787,990 S | 5/2017 | Kozub et al. | D799,386 S | 10/2017 | Kozub et al. |
| D787,992 S | 5/2017 | Lee | D799,728 S | 10/2017 | Whitla et al. |
| D787,993 S * | 5/2017 | McCabe D12/173 | D801,236 S | 10/2017 | Kozub et al. |
| D788,001 S | 5/2017 | Lee | D801,577 S | 10/2017 | Ruiz |
| D788,641 S | 6/2017 | Arnold | D801,882 S | 11/2017 | Kozub et al. |
| D788,644 S | 6/2017 | Mueller | D802,205 S | 11/2017 | Ruiz |
| D788,645 S | 6/2017 | Mueller | D802,478 S | 11/2017 | Perkins |
| D789,250 S | 6/2017 | Arnold | D802,491 S | 11/2017 | Mainville |
| D789,260 S | 6/2017 | Smith | D802,496 S | 11/2017 | Mainville |
| D789,575 S | 6/2017 | Willett | D802,502 S | 11/2017 | McMahan |
| D789,841 S | 6/2017 | Lee | D803,727 S | 11/2017 | Noone et al. |
| D789,849 S | 6/2017 | Lee | D803,731 S | 11/2017 | Zipfel |
| D791,018 S | 7/2017 | Mylenek | D804,370 S | 12/2017 | Kozub et al. |
| D791,644 S | 7/2017 | Fang | D804,371 S | 12/2017 | Whitla et al. |
| D792,290 S | 7/2017 | Smith et al. | D804,372 S | 12/2017 | Kozub |
| D792,293 S | 7/2017 | McCabe et al. | D804,378 S | 12/2017 | Perkins |
| D792,294 S | 7/2017 | McCabe et al. | D804,379 S | 12/2017 | McMahan |
| D792,295 S | 7/2017 | McCabe et al. | D805,006 S | 12/2017 | Nakamura |
| D792,815 S | 7/2017 | Kozub | D805,013 S | 12/2017 | Whitla |
| D792,816 S | 7/2017 | Kozub | D805,014 S | 12/2017 | Zipfel |
| D793,290 S | 8/2017 | Kozub | D805,441 S | 12/2017 | Karras |
| D793,292 S | 8/2017 | Lee | D805,964 S | 12/2017 | Whitla |
| D793,293 S | 8/2017 | Lee et al. | D805,965 S | 12/2017 | Davis |
| D793,294 S | 8/2017 | Lee | D805,966 S | 12/2017 | Perkins |
| D793,295 S | 8/2017 | McCabe et al. | D805,985 S | 12/2017 | Nakamura |
| D793,296 S | 8/2017 | Smith et al. | D807,232 S | 1/2018 | Bailie |
| D793,297 S | 8/2017 | Smith et al. | D807,239 S | 1/2018 | Perkins |
| D793,299 S | 8/2017 | Krieg et al. | D807,240 S | 1/2018 | Perkins |
| D793,300 S | 8/2017 | Krieg et al. | D807,241 S | 1/2018 | Perkins |
| D793,301 S | 8/2017 | Kozub | 2004/0190985 A1 * | 9/2004 | Aigner B60R 19/52 403/329 |
| D793,302 S | 8/2017 | Kozub | 2005/0006913 A1 * | 1/2005 | Otte B60R 19/52 293/115 |
| D793,311 S | 8/2017 | Whitla et al. | 2006/0157992 A1 * | 7/2006 | Sakamoto B60R 19/52 293/115 |
| D793,590 S | 8/2017 | Kozub et al. | 2008/0079271 A1 * | 4/2008 | Maruko B60R 19/52 293/102 |
| D793,591 S | 8/2017 | Kozub et al. | 2010/0148525 A1 * | 6/2010 | Abdelnour B60R 19/52 293/115 |
| D793,917 S | 8/2017 | Kozub | 2011/0181062 A1 * | 7/2011 | Bernt B60K 11/085 293/102 |
| D793,918 S | 8/2017 | Kozub | 2014/0291056 A1 * | 10/2014 | Takanaga B60K 11/085 180/274 |
| D794,229 S | 8/2017 | Barry | 2016/0325790 A1 * | 11/2016 | Murray B62D 25/02 |
| D794,230 S | 8/2017 | Kozub | | | |
| 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. | | | |

* cited by examiner

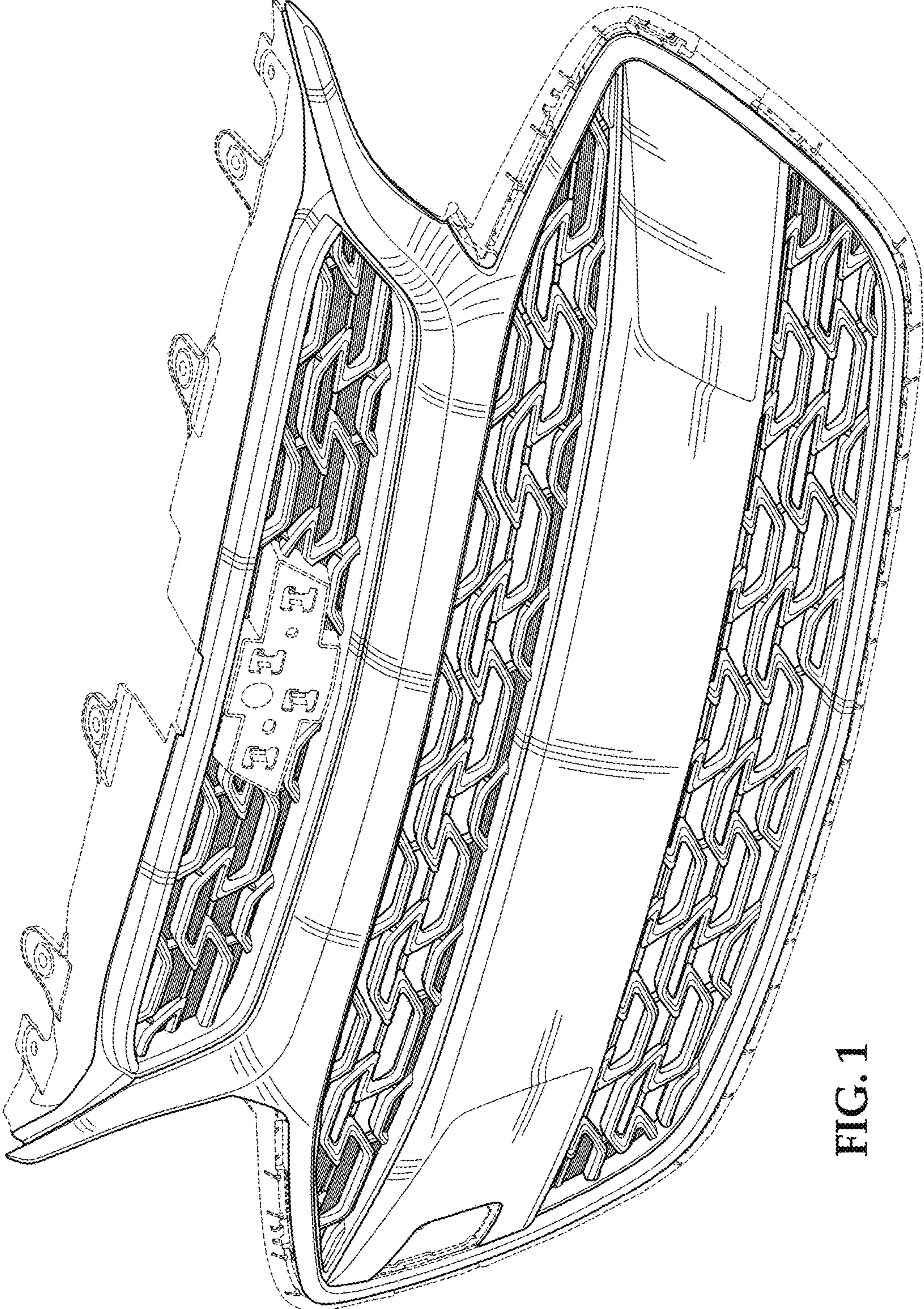


FIG. 1

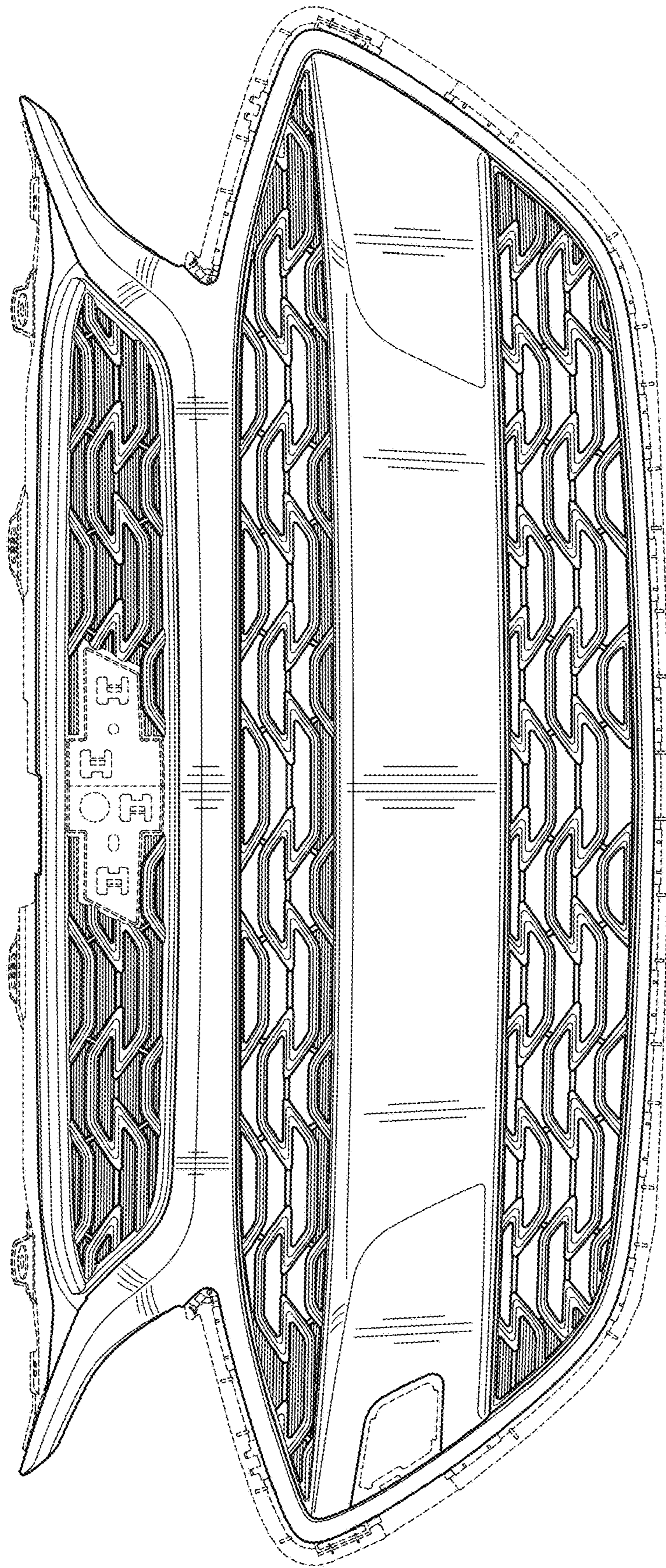


FIG. 2

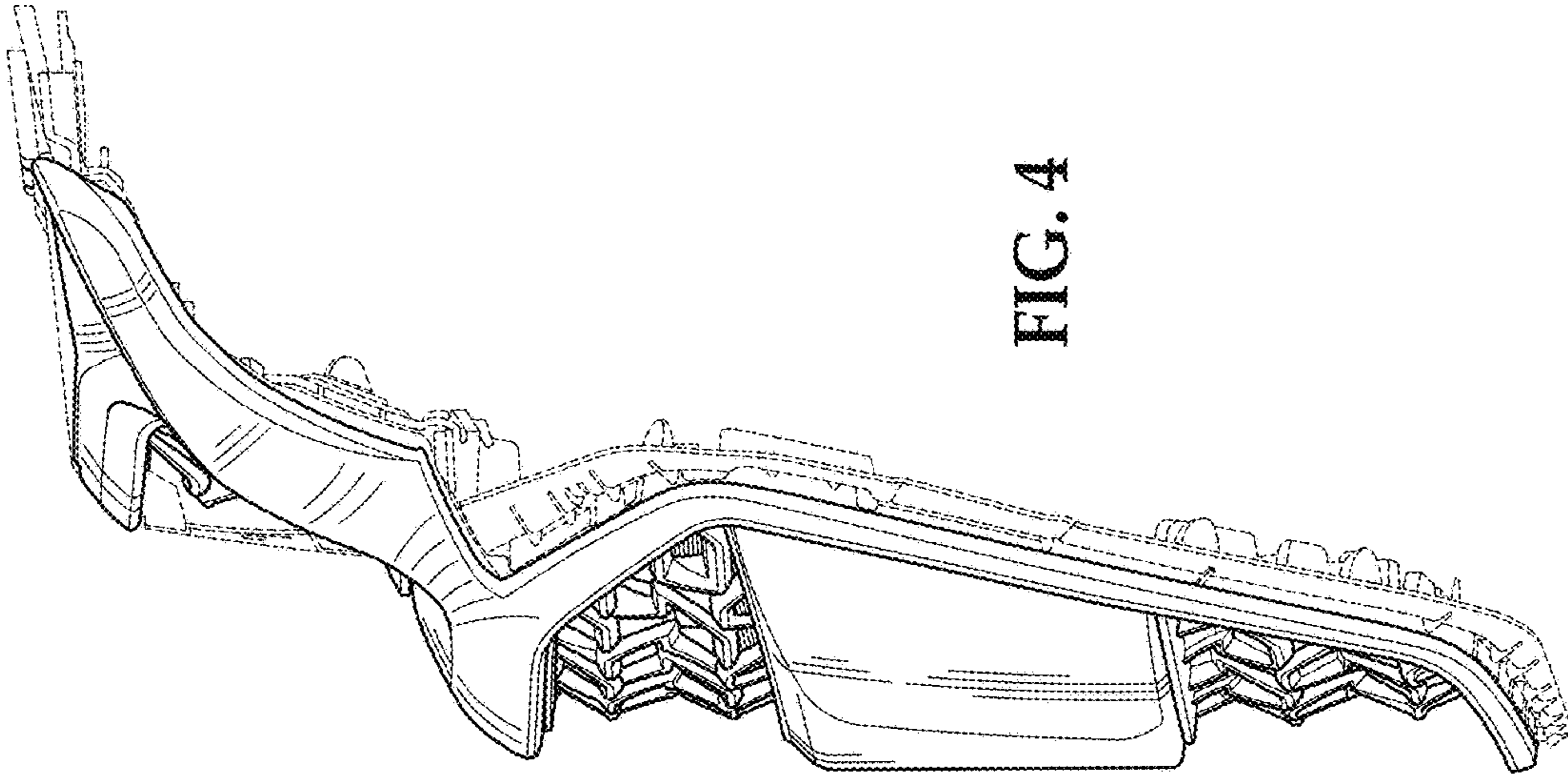


FIG. 4

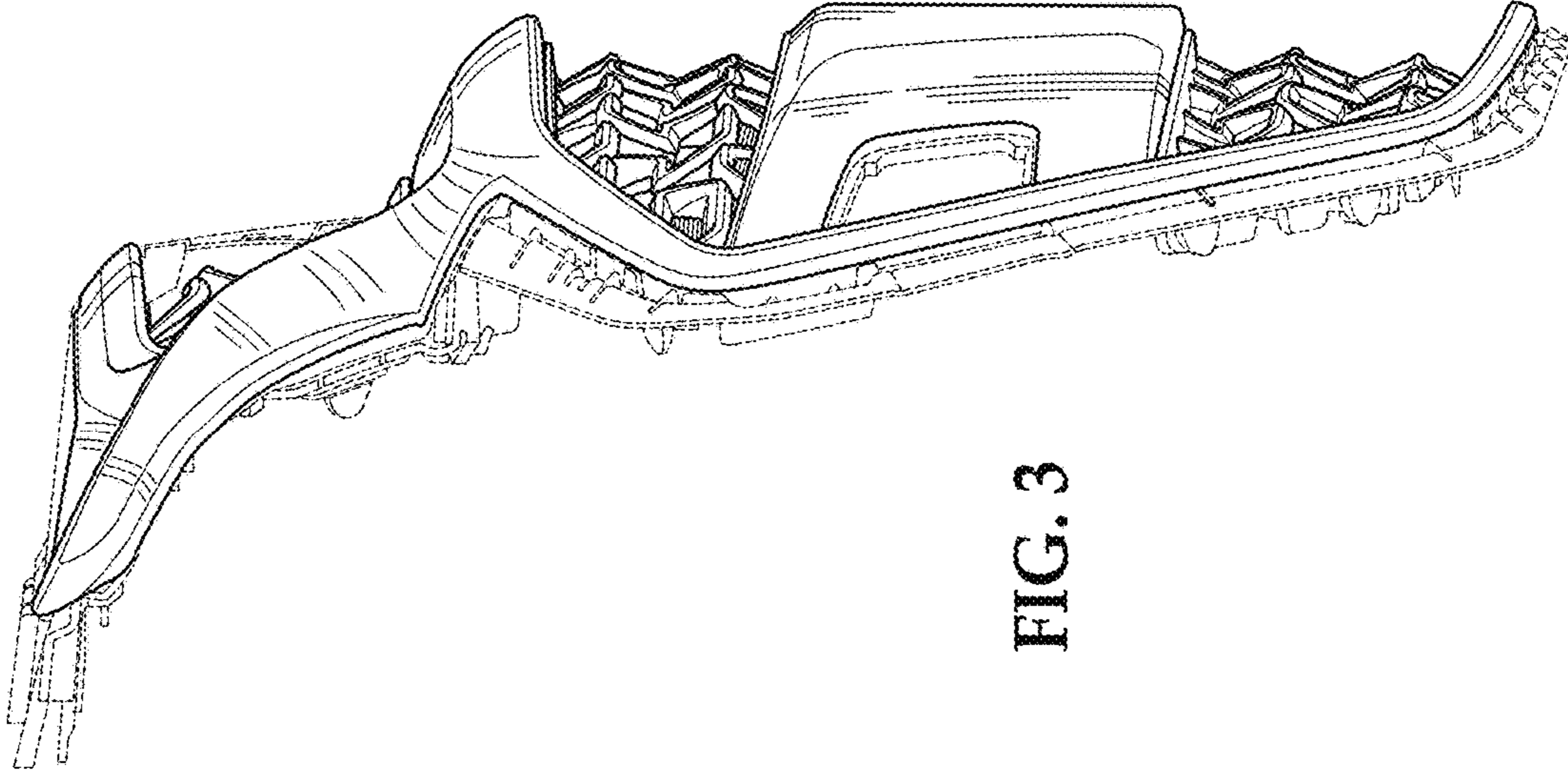


FIG. 3

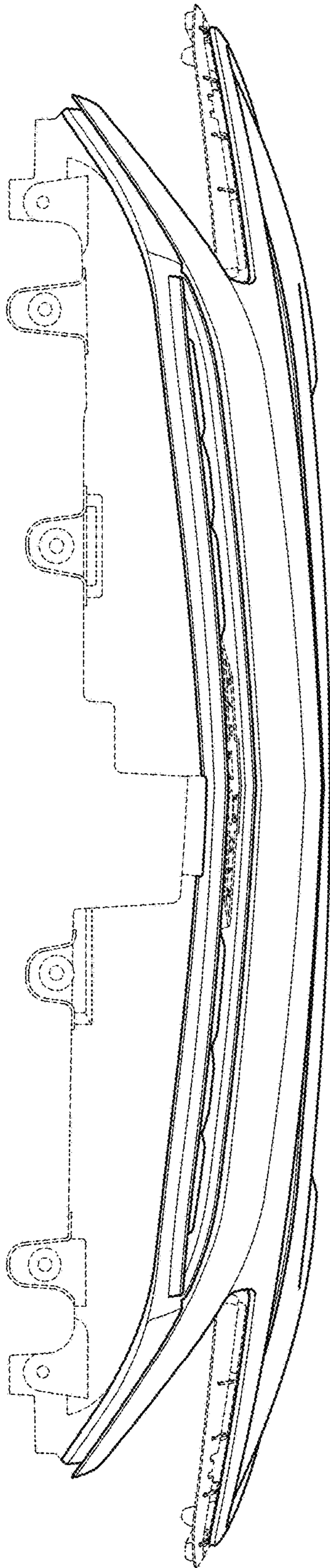


FIG. 5

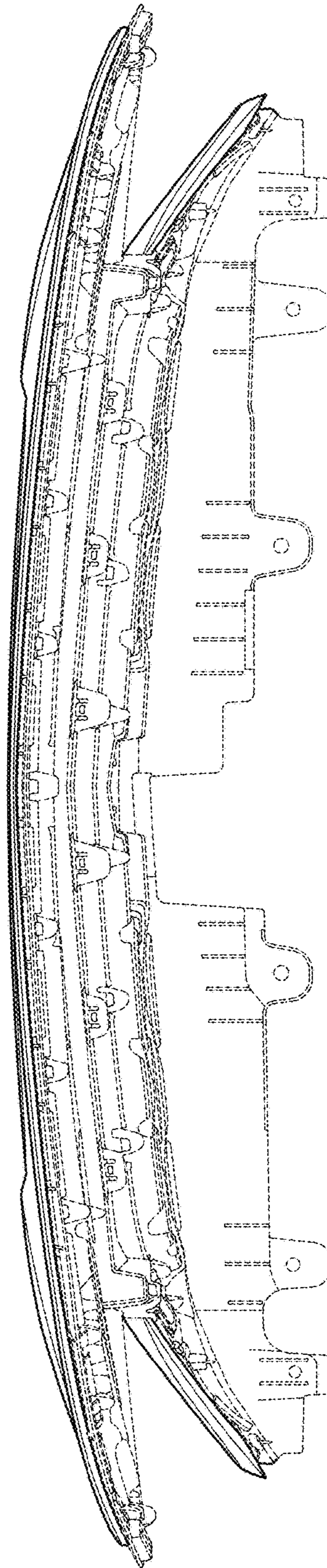


FIG. 6

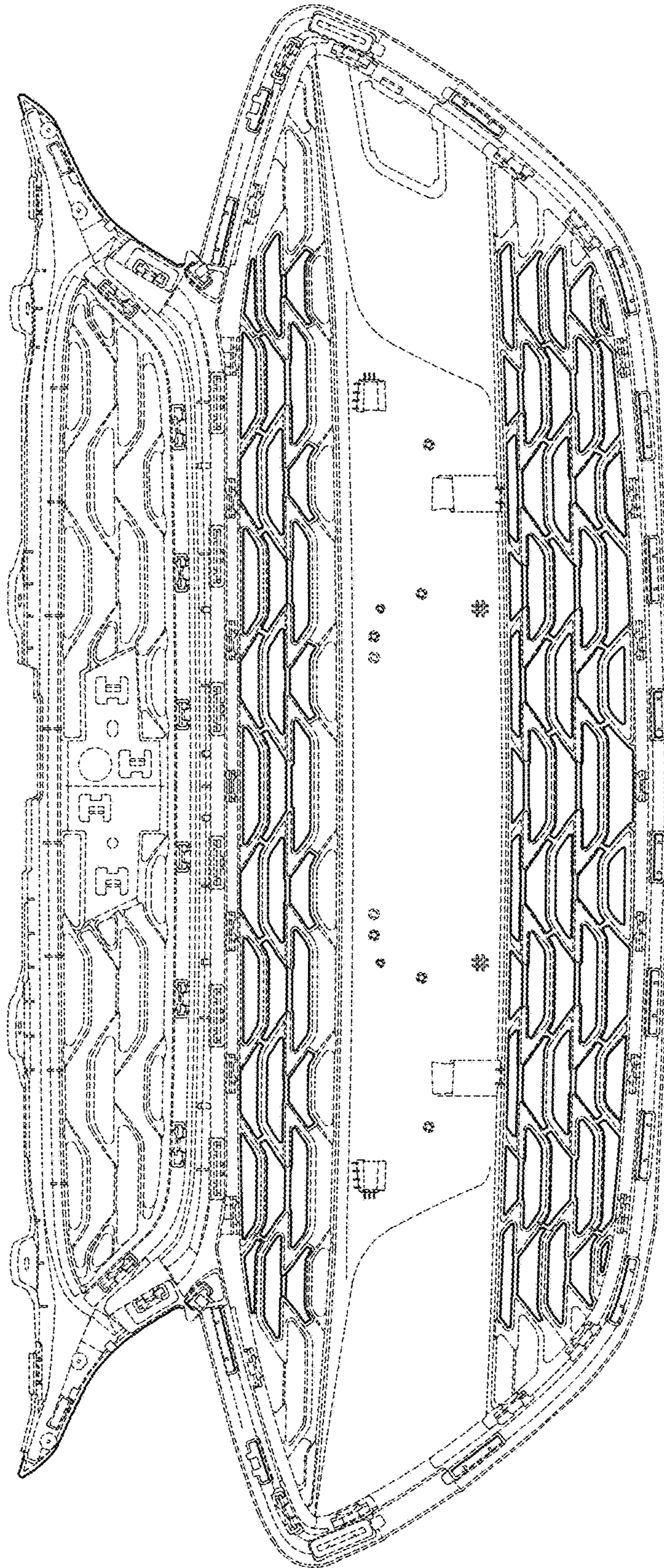


FIG. 7