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(12) **United States Design Patent** (10) **Patent No.:** **US D850,331 S**  
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(54) **VEHICLE GRILLE**  
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(58) **Field of Classification Search**  
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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

D307,124 S \* 4/1990 Hayashi ..... D12/163  
D379,467 S \* 5/1997 Martin ..... D15/89  
D570,742 S 6/2008 Takagi et al.  
D592,105 S 5/2009 Dean et al.  
D593,460 S \* 6/2009 Schiavone ..... D12/163  
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

(Continued)

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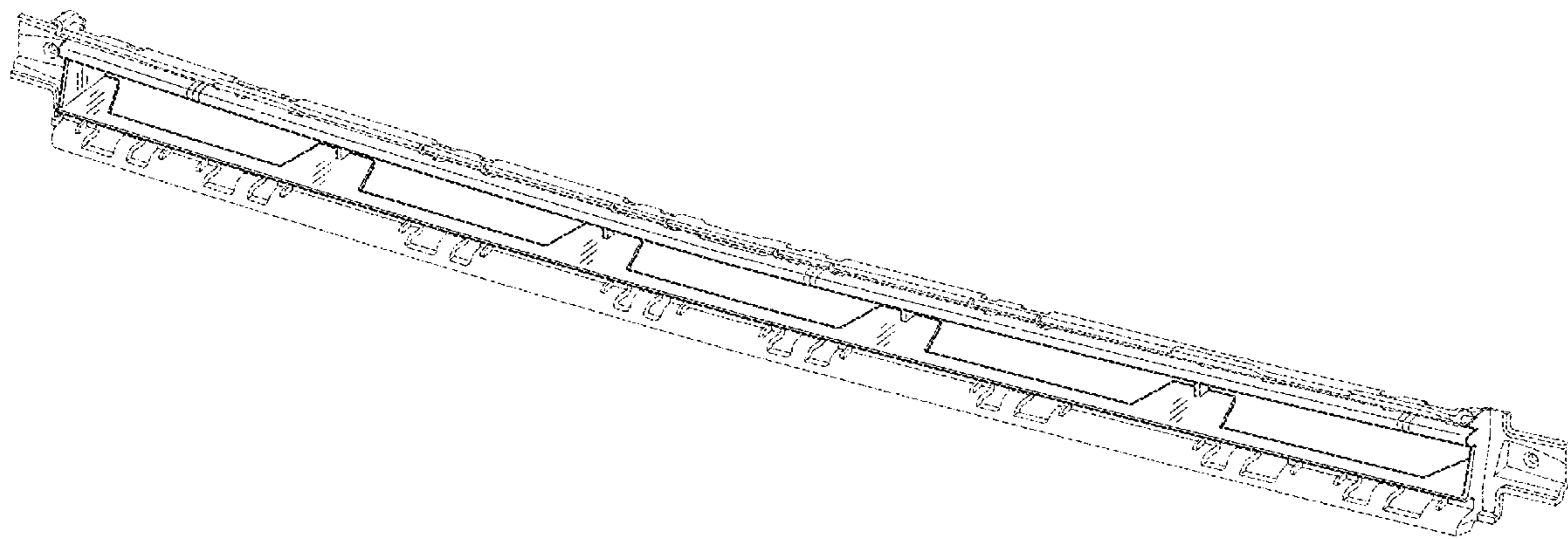
(57) **CLAIM**

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 elevation view thereof;  
FIG. 3 is an enlarged right side view thereof;  
FIG. 4 is an enlarged 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, 3 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

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	
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	
D680,921 S	* 4/2013	Jara .....	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.	
D692,804 S	* 11/2013	Song .....	D12/163
D696,157 S	12/2013	Loeb	
D698,704 S	* 2/2014	Rupar .....	D12/163
D699,629 S	2/2014	Ikeda et al.	
D700,871 S	3/2014	O'Donnell et al.	
D701,804 S	* 4/2014	Campbell .....	D12/169
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.	
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	
D736,451 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.	
D754,571 S	* 4/2016	Boniface .....	D12/163
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.	
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.	
D769,778 S	* 10/2016	Messale .....	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.	
D774,226 S	12/2016	McCabe et al.	
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	
D776,020 S	1/2017	Kapitonov	
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
D781,184 S	3/2017	Thole et al.	
D781,192 S	3/2017	Kozub et al.	
D782,379 S	3/2017	Wassell	
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	



(56)

References Cited

U.S. PATENT DOCUMENTS

D784,886 S	4/2017	Smith et al.	
D785,521 S	5/2017	Smith et al.	
D786,149 S	5/2017	Pevovar et al.	
D786,743 S *	5/2017	Smith .....	D12/163
D786,750 S	5/2017	Lee	
D787,446 S	5/2017	Cockerill	
D787,984 S	5/2017	Fang	
D787,988 S *	5/2017	Lee .....	D12/163
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	
D788,656 S *	6/2017	Svensson .....	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	Lee	
D789,849 S	6/2017	Lee	
D791,018 S	7/2017	Mylenek	
D791,644 S	7/2017	Fang	
D791,653 S *	7/2017	Svensson .....	D12/163
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.	
D792,815 S	7/2017	Kozub	
D792,816 S	7/2017	Kozub	
D793,290 S	8/2017	Kozub	
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	Krieg et al.	
D793,300 S	8/2017	Krieg 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	
D794,229 S	8/2017	Barry	
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.	
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	
D805,968 S *	12/2017	Piscitelli .....	D12/163
D805,985 S	12/2017	Nakamura	
D806,616 S *	1/2018	Granlund .....	D12/163
D807,232 S	1/2018	Bailie	
D807,239 S	1/2018	Perkins	
D807,240 S	1/2018	Perkins	
D807,241 S	1/2018	Perkins	
D813,732 S *	3/2018	Whitla .....	D12/163
D815,994 S *	4/2018	Nakamura .....	D12/163
D823,179 S *	7/2018	Platto .....	D12/163
D824,812 S *	8/2018	Loeb .....	D12/163
D825,403 S *	8/2018	Whitla .....	D12/163
D827,510 S *	9/2018	Kim .....	D12/163
D827,511 S *	9/2018	Woodhouse .....	D12/163
D827,513 S *	9/2018	Gueler .....	D12/163
D830,918 S *	10/2018	Kozub .....	D12/163
D831,545 S *	10/2018	Smock .....	D12/163

\* cited by examiner

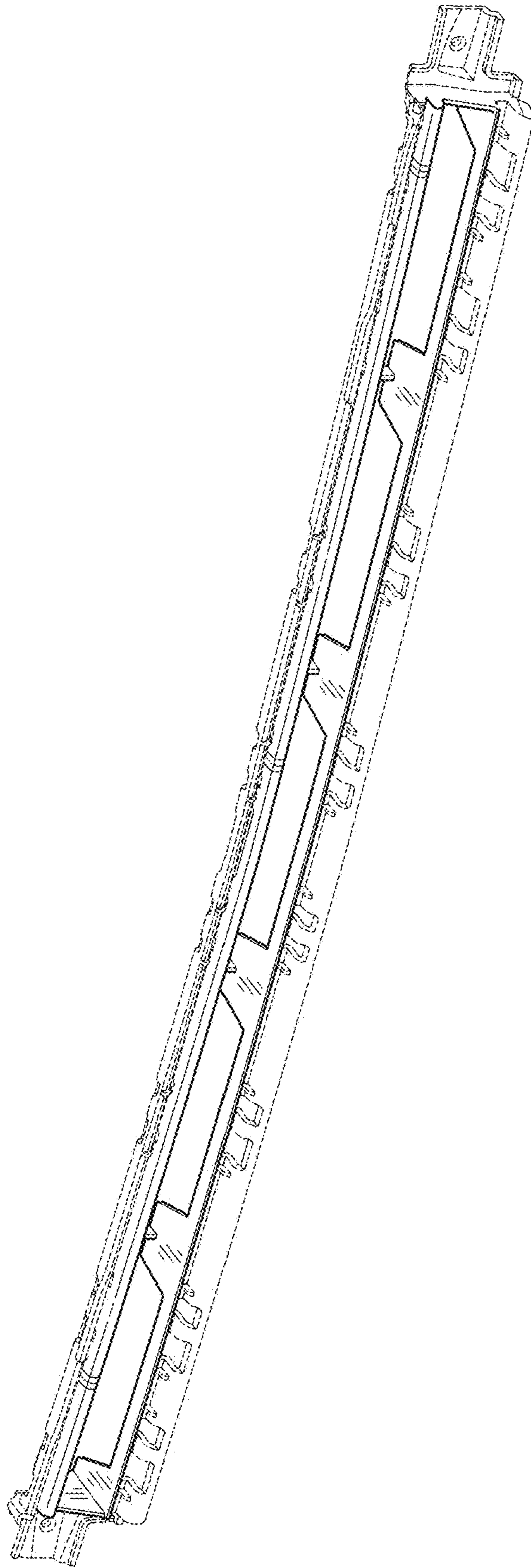


FIG. 1

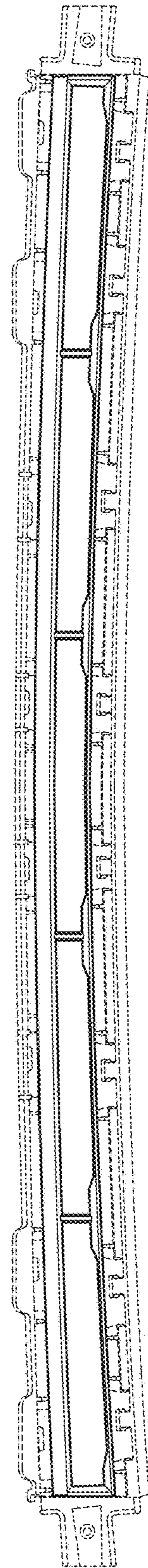


FIG. 2



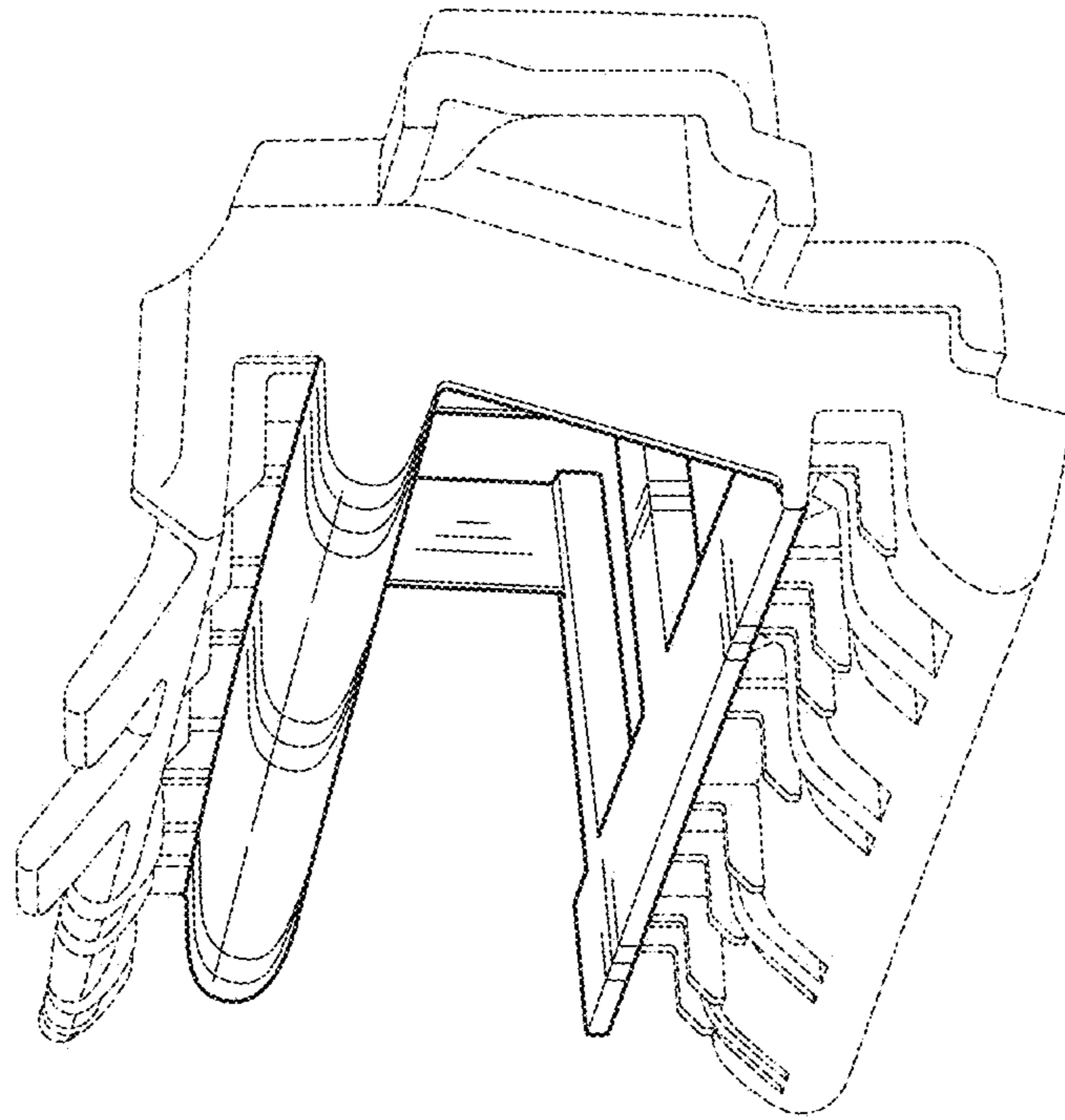


FIG. 4

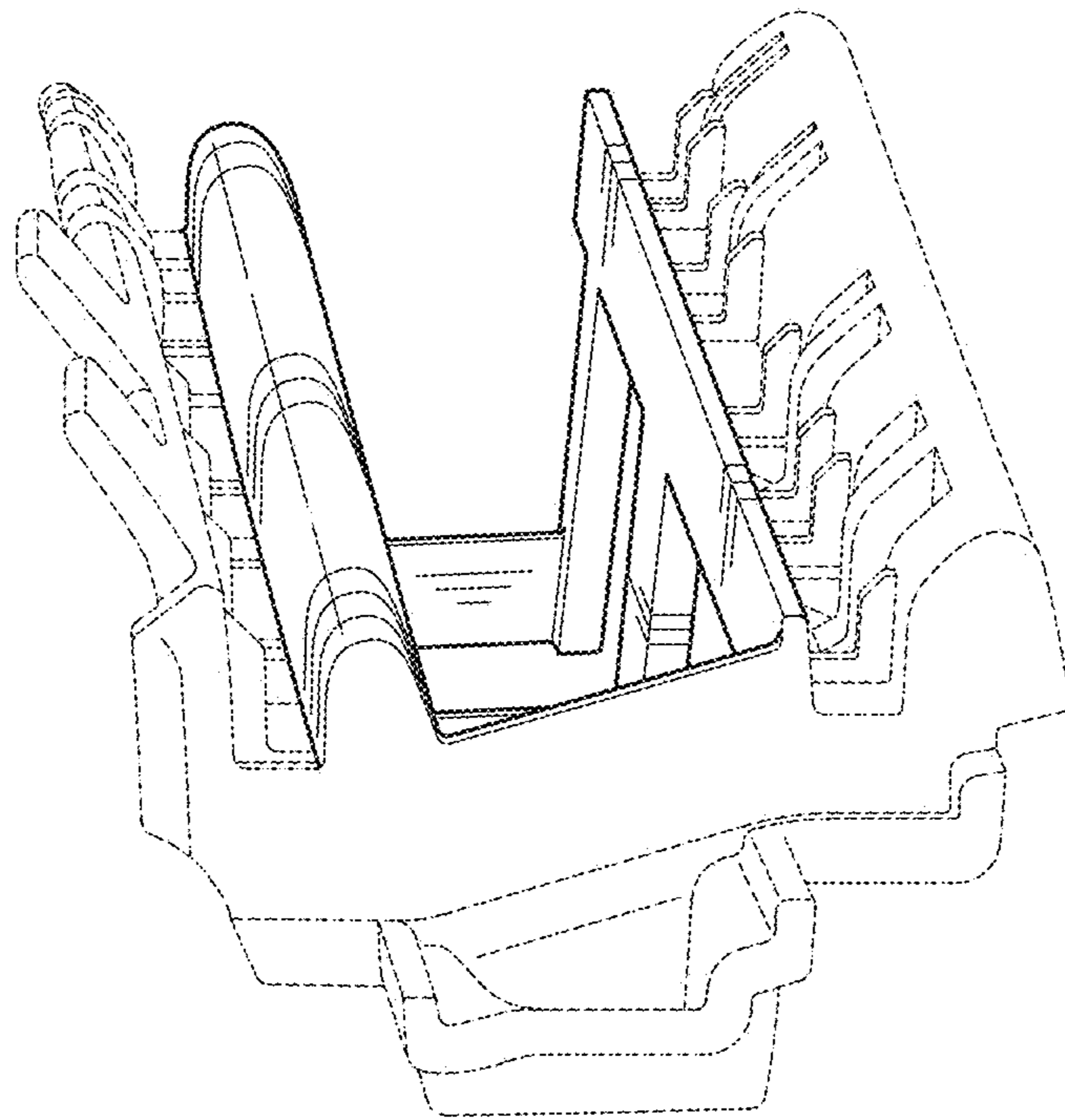


FIG. 3

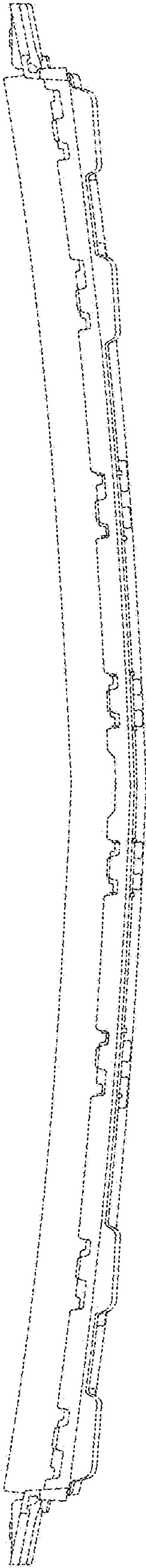


FIG. 5

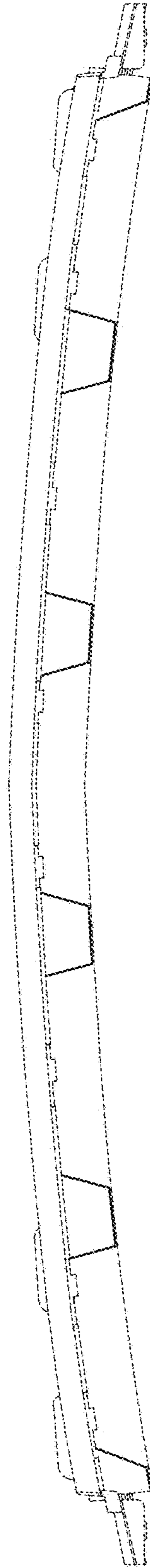


FIG. 6

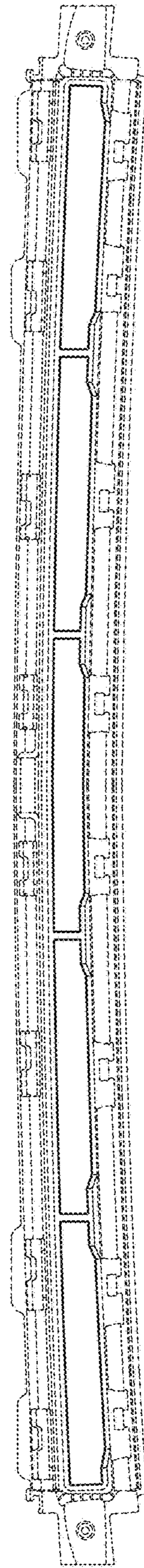


FIG. 7