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(12) **United States Design Patent**  
**Zipfel**

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- (54) **VEHICLE SIDE DOOR**
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E05B 65/06; E05B 65/10; E05B 65/12;  
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See application file for complete search history.

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.	
D615,017 S *	5/2010	Smith .....	D12/195
D615,458 S	5/2010	Thompson et al.	
D616,348 S *	5/2010	Rosenbohm .....	D12/195
D618,595 S	6/2010	Ware et al.	
D620,415 S *	7/2010	Froehlich .....	D12/196
D623,090 S	9/2010	Cox et al.	

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(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of the vehicle side door (the vehicle side door of the figures being situated on the leftside of a vehicle; the rightside vehicle side door being a mirror image of this leftside vehicle side door and is not shown); FIG. 2 is a front view thereof; FIG. 3 is a side view thereof; and, FIG. 4 is a top view thereof. The broken lines in the drawings illustrate portions of the vehicle side door that form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**

(56) **References Cited**

U.S. PATENT DOCUMENTS

D468,675 S *	1/2003	Murkett .....	D12/196
D558,113 S *	12/2007	Leclercq .....	D12/196
D570,742 S	6/2008	Takagi et al.	
D573,522 S *	7/2008	Sato .....	D12/196
D580,332 S *	11/2008	Gueler .....	D12/196
D583,288 S *	12/2008	Leclercq .....	D12/196
D592,105 S	5/2009	Dean et al.	
D593,016 S *	5/2009	Habib .....	D12/196
D593,471 S *	6/2009	Larson .....	D12/196
D593,918 S *	6/2009	Larson .....	D12/196
D597,447 S	8/2009	Folden	
D600,595 S	9/2009	Nakamura et al.	
D601,072 S *	9/2009	Giachin .....	D12/196
D601,925 S	10/2009	O'Donnell	



(56)

## References Cited

## U.S. PATENT DOCUMENTS

D627,262 S	11/2010	Ikeda et al.		D745,086 S	12/2015	Finos et al.	
D629,730 S	* 12/2010	Schneider .....	D12/196	D745,719 S	12/2015	Boniface et al.	
D633,022 S	* 2/2011	Hwang .....	D12/195	D745,725 S	12/2015	McMahan et al.	
D633,023 S	* 2/2011	Hwang .....	D12/195	D745,726 S	12/2015	McMahan et al.	
D635,488 S	4/2011	Phipps		D745,837 S	12/2015	Smith et al.	
D636,317 S	* 4/2011	Matei .....	D12/196	D746,726 S	1/2016	Smith et al.	
D644,147 S	8/2011	Suh et al.		D746,727 S	1/2016	Smith et al.	
D644,567 S	9/2011	Kozub		D746,728 S	1/2016	Smith et al.	
D645,388 S	* 9/2011	Kumai .....	D12/196	D746,729 S	1/2016	Boniface et al.	
D653,187 S	* 1/2012	Tomatsu .....	D12/196	D746,730 S	1/2016	Kim et al.	
D657,718 S	4/2012	Zipfel et al.		D747,514 S	1/2016	McMahan et al.	
D659,052 S	5/2012	Ware et al.		D747,515 S	1/2016	McMahan et al.	
D659,053 S	5/2012	Ware et al.		D747,819 S	1/2016	Thole et al.	
D665,321 S	* 8/2012	Huet .....	D12/196	D749,021 S	2/2016	Boniface et al.	
D668,182 S	10/2012	Barba Franco et al.		D749,026 S	2/2016	Smith et al.	
D668,183 S	10/2012	Smart		D749,027 S	2/2016	McMahan et al.	
D674,328 S	* 1/2013	Ikuma .....	D12/196	D749,246 S	2/2016	Thole et al.	
D676,366 S	* 2/2013	Yamada .....	D12/196	D749,249 S	2/2016	Thole et al.	
D678,820 S	3/2013	Son et al.		D749,250 S	2/2016	Thole et al.	
D678,821 S	3/2013	Ikeda et al.		D749,985 S	2/2016	Kozub et al.	
D680,909 S	4/2013	Munson et al.		D749,997 S	2/2016	McMahan et al.	
D680,910 S	4/2013	David		D750,001 S	2/2016	Thole et al.	
D684,899 S	6/2013	Baker		D753,032 S	4/2016	Smith et al.	
D686,536 S	7/2013	McCabe et al.		D753,033 S	4/2016	Thole et al.	
D692,798 S	11/2013	Thurber		D753,034 S	4/2016	Thole et al.	
D692,799 S	11/2013	Smith et al.		D753,035 S	4/2016	Boniface et al.	
D695,178 S	* 12/2013	Tada .....	D12/196	D753,559 S	4/2016	McMahan et al.	
D695,663 S	* 12/2013	Suga .....	D12/196	D753,560 S	4/2016	McMahan et al.	
D696,157 S	12/2013	Loeb		D753,567 S	4/2016	Boniface et al.	
D699,629 S	2/2014	Ikeda et al.		D754,571 S	4/2016	Boniface et al.	
D699,654 S	* 2/2014	Okue .....	D12/196	D754,572 S	4/2016	McMahan et al.	
D700,871 S	3/2014	O'Donnell et al.		D755,088 S	5/2016	McMahan et al.	
D700,875 S	* 3/2014	Jevremovic .....	D12/196	D756,869 S	5/2016	McMahan et al.	
D701,809 S	* 4/2014	Hildebrand .....	D12/196	D758,270 S	* 6/2016	Zadnik .....	D12/196
D703,103 S	4/2014	Lee		D758,271 S	6/2016	McMahan et al.	
D703,123 S	* 4/2014	Hildebrand .....	D12/196	D762,541 S	* 8/2016	Jo .....	D12/196
D704,103 S	5/2014	Mack et al.		D763,156 S	* 8/2016	Jo .....	D12/196
D705,132 S	5/2014	Ware et al.		D764,975 S	8/2016	Aengenheyster	
D705,149 S	* 5/2014	Sakae .....	D12/196	D764,976 S	8/2016	Aengenheyster	
D705,699 S	5/2014	Ware et al.		D765,571 S	* 9/2016	Faghihzadeh .....	D12/196
D713,298 S	9/2014	Dyson		D767,449 S	9/2016	Pevovar et al.	
D713,764 S	9/2014	Ferlazzo et al.		D767,450 S	9/2016	Lee et al.	
D716,696 S	11/2014	Thole et al.		D767,451 S	9/2016	Kozub et al.	
D716,706 S	11/2014	Thole et al.		D767,454 S	9/2016	McMahan et al.	
D716,709 S	11/2014	Thole et al.		D767,458 S	9/2016	Kim	
D717,696 S	11/2014	Thole et al.		D767,459 S	9/2016	Kim	
D718,189 S	11/2014	Krieg et al.		D767,460 S	9/2016	Kozub et al.	
D718,683 S	12/2014	Thole et al.		D767,461 S	9/2016	Kozub et al.	
D722,282 S	2/2015	Loeb		D771,528 S	11/2016	Smith et al.	
D722,533 S	2/2015	Thole et al.		D771,529 S	11/2016	Thole et al.	
D722,534 S	2/2015	Munson et al.		D771,532 S	11/2016	Kapitonov	
D724,510 S	3/2015	McMahan et al.		D771,533 S	11/2016	Kapitonov	
D725,001 S	3/2015	McMahan et al.		D772,758 S	* 11/2016	Frascella .....	D12/92
D726,591 S	4/2015	Jacob		D772,766 S	11/2016	Kozub et al.	
D730,776 S	6/2015	Smart		D772,767 S	11/2016	Kim	
D730,783 S	6/2015	Henriques et al.		D772,772 S	* 11/2016	Frascella .....	D12/196
D732,427 S	6/2015	Loeb		D773,084 S	11/2016	Kapitonov	
D732,429 S	6/2015	Loeb		D773,086 S	11/2016	McCabe et al.	
D732,430 S	6/2015	Loeb		D774,226 S	12/2016	McCabe et al.	
D732,431 S	6/2015	Loeb		D775,003 S	12/2016	Pevovar et al.	
D732,432 S	6/2015	Aengenheyster		D775,007 S	12/2016	Thole et al.	
D732,433 S	6/2015	Aengenheyster		D775,010 S	12/2016	Kim et al.	
D732,435 S	6/2015	Mackay		D775,049 S	12/2016	Scheer et al.	
D733,002 S	6/2015	Loeb		D775,549 S	1/2017	Karras	
D735,611 S	8/2015	Aengenheyster		D775,554 S	1/2017	Kapitonov	
D735,627 S	8/2015	Smith		D775,567 S	* 1/2017	Faghihzadeh .....	D12/196
D736,451 S	8/2015	Smith		D776,020 S	1/2017	Kapitonov	
D739,306 S	9/2015	McMahan et al.		D776,581 S	1/2017	Pevovar et al.	
D739,317 S	9/2015	McMahan et al.		D776,583 S	1/2017	Scheer et al.	
D741,223 S	10/2015	Kim et al.		D776,593 S	* 1/2017	Schneider .....	D12/196
D743,309 S	11/2015	Thole et al.		D776,841 S	1/2017	Kozub et al.	
D743,313 S	11/2015	Smith et al.		D776,843 S	1/2017	McCabe et al.	
D743,314 S	11/2015	Thole et al.		D776,846 S	1/2017	Willett et al.	
D743,857 S	11/2015	McMahan et al.		D777,359 S	1/2017	Kozub et al.	
D744,158 S	11/2015	Willett 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.	

(56)

References Cited

U.S. PATENT DOCUMENTS

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.	
D779,407 S *	2/2017	Bae .....	D12/196
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.	
D781,192 S	3/2017	Kozub et al.	
D781,194 S *	3/2017	Bae .....	D12/196
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	
D784,886 S	4/2017	Smith et al.	
D785,521 S	5/2017	Smith et al.	
D785,529 S *	5/2017	Kyung .....	D12/196
D785,531 S *	5/2017	Lim .....	D12/196
D786,149 S	5/2017	Pevovar et al.	
D786,743 S	5/2017	Smith et al.	
D786,750 S	5/2017	Lee	
D786,761 S *	5/2017	Luk .....	D12/196
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	
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	
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.	
D801,246 S *	10/2017	Lee .....	D12/196
D803,121 S *	11/2017	Granlund .....	D12/196
D803,122 S *	11/2017	Granlund .....	D12/196
2003/0140566 A1 *	7/2003	Sommer .....	B60J 5/0406 49/502
2003/0177796 A1 *	9/2003	Dimig .....	E05B 79/06 70/237
2009/0079228 A1 *	3/2009	Sturt .....	B60N 2/78 296/153
2009/0121515 A1 *	5/2009	Shiono .....	B60N 3/026 296/146.6
2010/0301618 A1 *	12/2010	Costigan .....	E05B 77/06 292/93
2011/0219700 A1 *	9/2011	Grudzinski .....	B60J 10/40 49/493.1
2012/0272578 A1 *	11/2012	Ellinghaus .....	E05D 15/101 49/358
2013/0020816 A1 *	1/2013	Saitou .....	E05B 79/06 292/336.3
2013/0055643 A1 *	3/2013	Setina .....	B60J 11/06 49/463
2013/0341961 A1 *	12/2013	Mori .....	B60J 5/04 296/146.2
2014/0132025 A1 *	5/2014	Usami .....	B60J 1/2063 296/97.8
2015/0035310 A1 *	2/2015	Yamaguchi .....	B60R 13/0206 296/153
2015/0329057 A1 *	11/2015	Tiboni .....	B60R 13/0243 296/37.13
2015/0360623 A1 *	12/2015	Larsen .....	B60R 13/02 296/29
2016/0114658 A1 *	4/2016	Yokota .....	B60J 10/45 49/489.1
2016/0160540 A1 *	6/2016	Bejune .....	E05B 77/06 292/196
2016/0187107 A1 *	6/2016	Johnston .....	F41H 7/00 89/36.08
2016/0280129 A1 *	9/2016	Newbound .....	B60R 13/0237
2018/0051492 A1 *	2/2018	Smith .....	B60J 5/04
2018/0051493 A1 *	2/2018	Krishnan .....	G07C 9/00182

\* cited by examiner

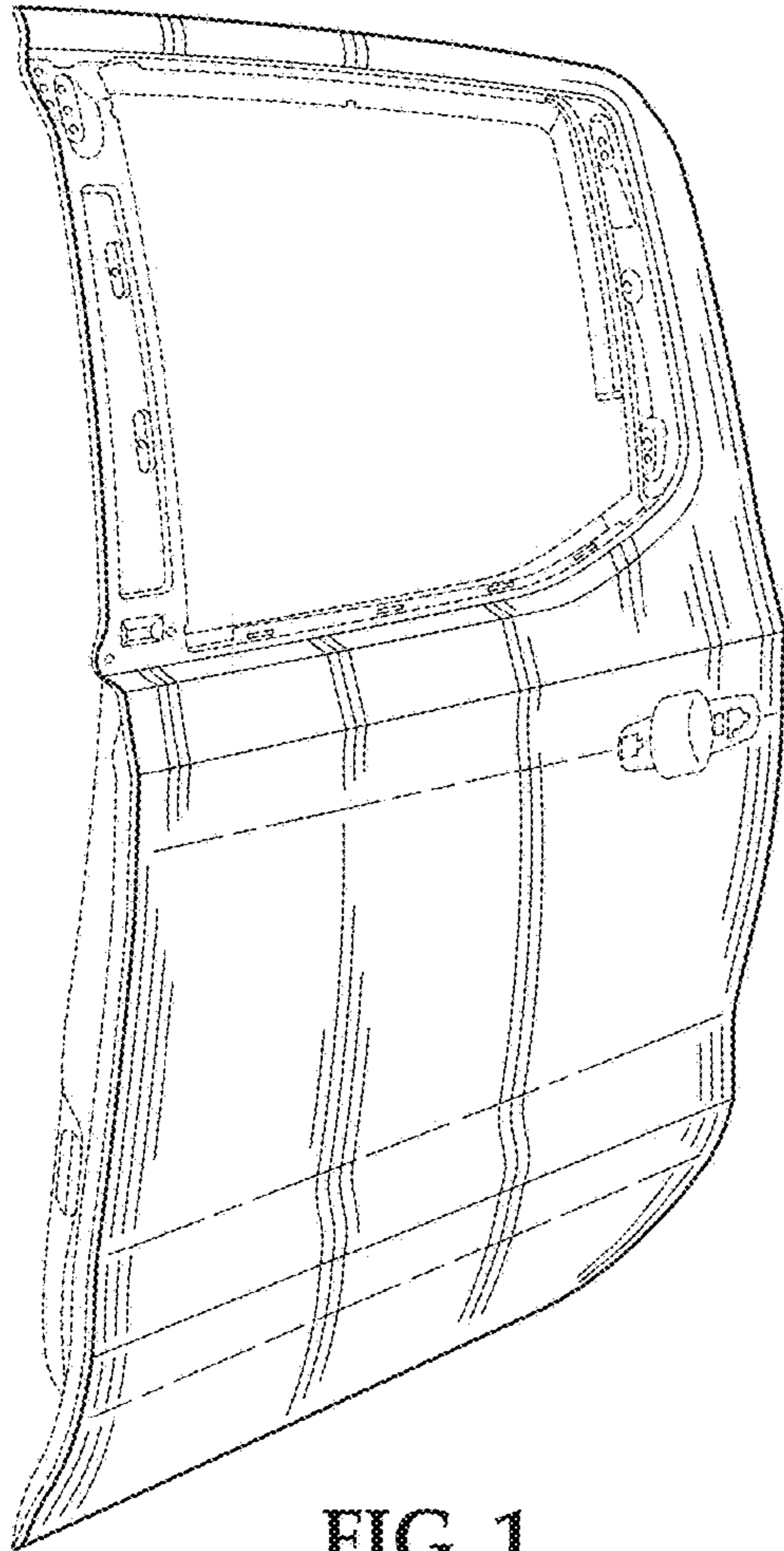


FIG. 1

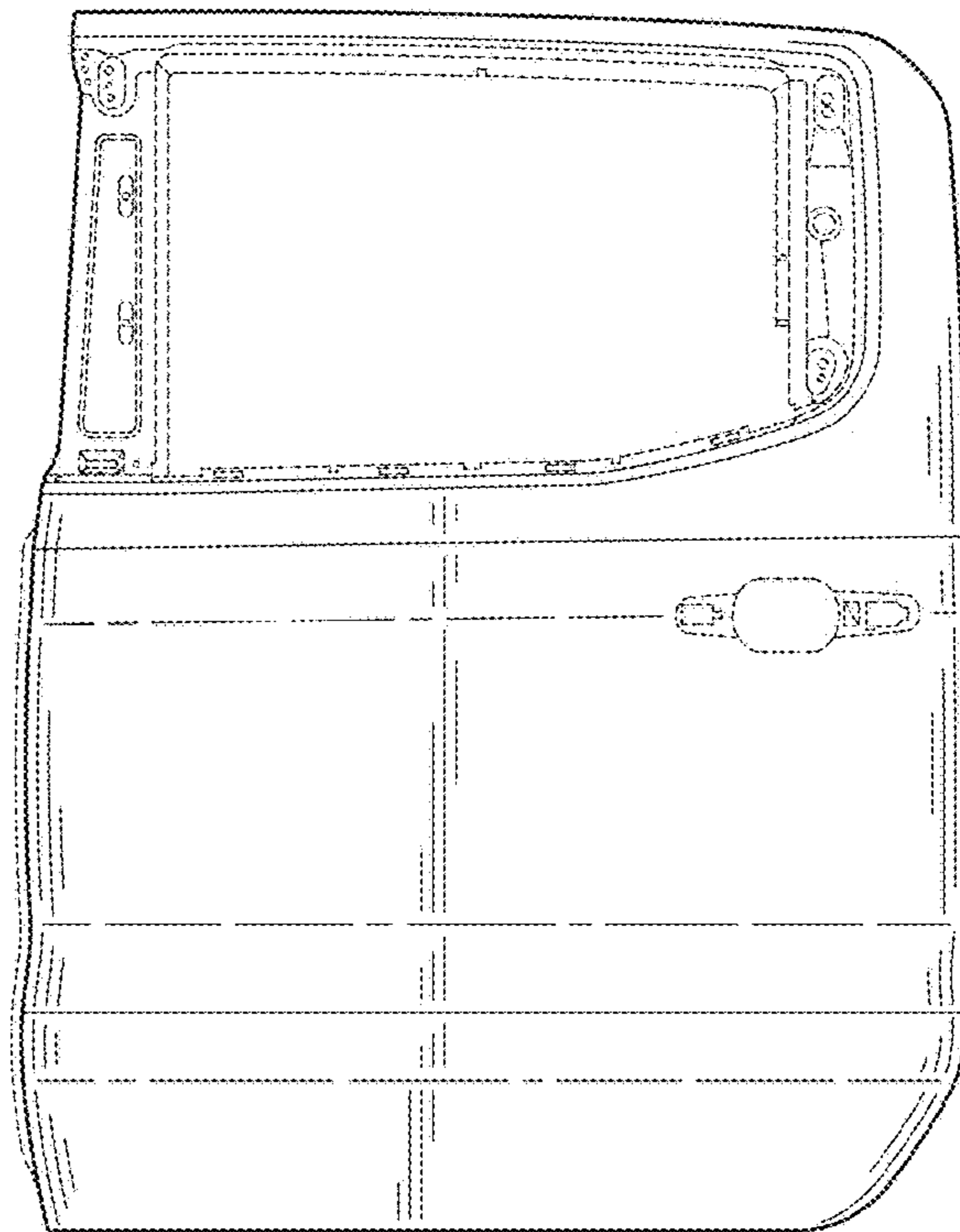


FIG. 2

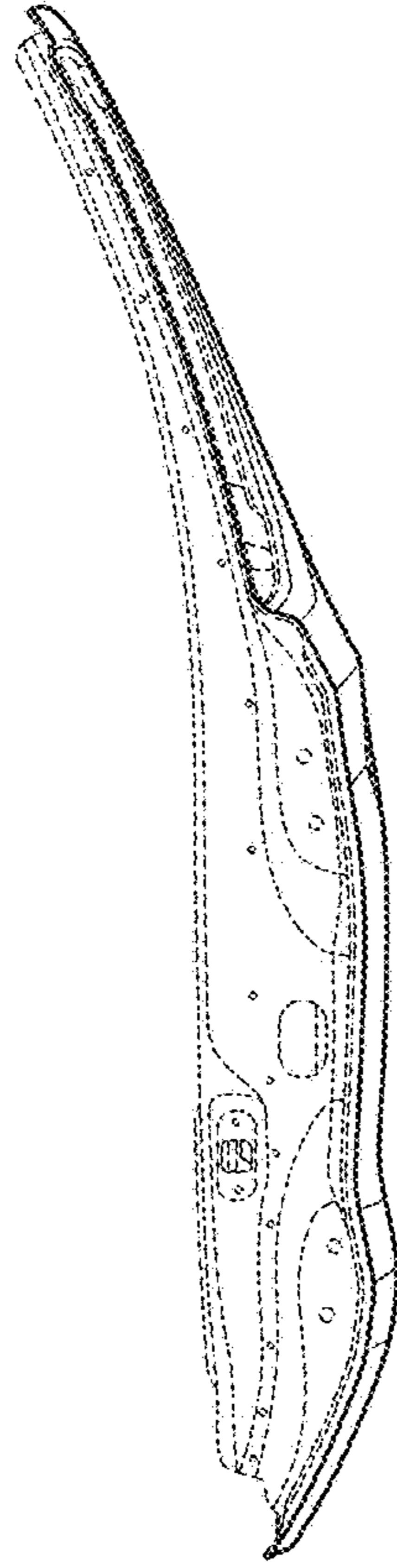


FIG. 3

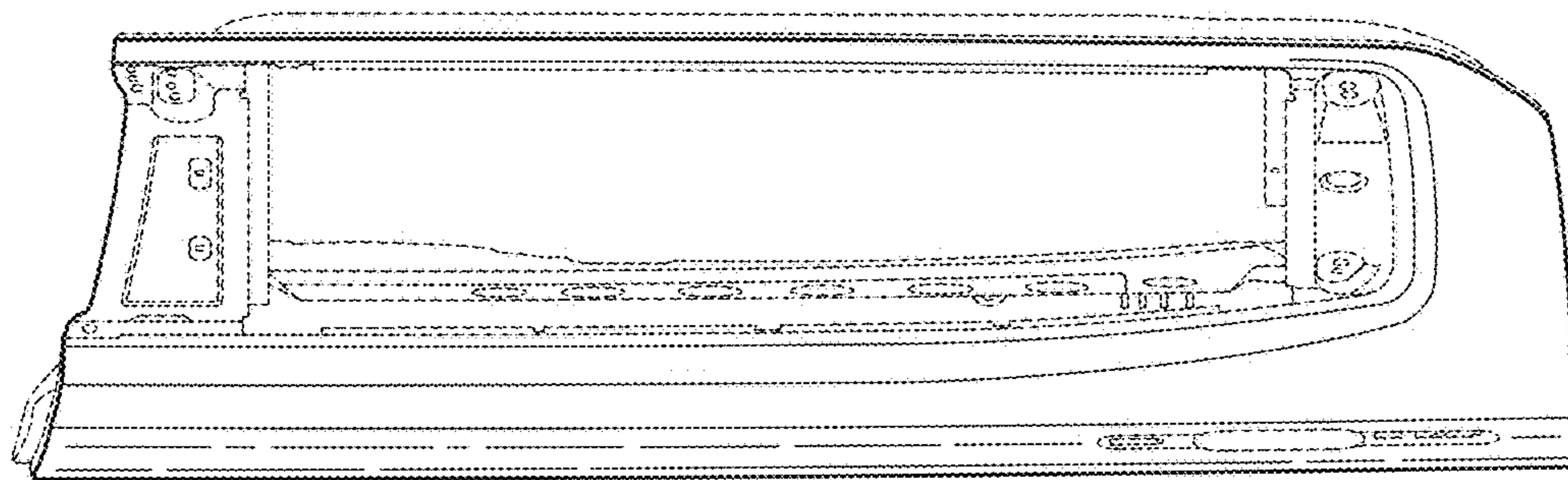


FIG. 4