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(12) **United States Design Patent** (10) **Patent No.:** **US D845,196 S**
Kozub (45) **Date of Patent:** **** Apr. 9, 2019**

(54) **VEHICLE DEFLECTOR**
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See application file for complete search history.

D603,755 S 11/2009 Peters
D603,764 S * 11/2009 Youn D12/169
D603,765 S * 11/2009 Youn D12/169
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.
D607,384 S * 1/2010 Krauss D12/181
D607,790 S * 1/2010 Golden D12/169
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.
7,661,753 B2 * 2/2010 Shinedling B62D 35/005
296/180.5
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.
D614,099 S * 4/2010 Ectors D12/169
D614,555 S * 4/2010 Ectors D12/169
D615,458 S 5/2010 Thompson et al.
D618,595 S 6/2010 Ware et al.

(Continued)

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(57) **CLAIM**

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

DESCRIPTION

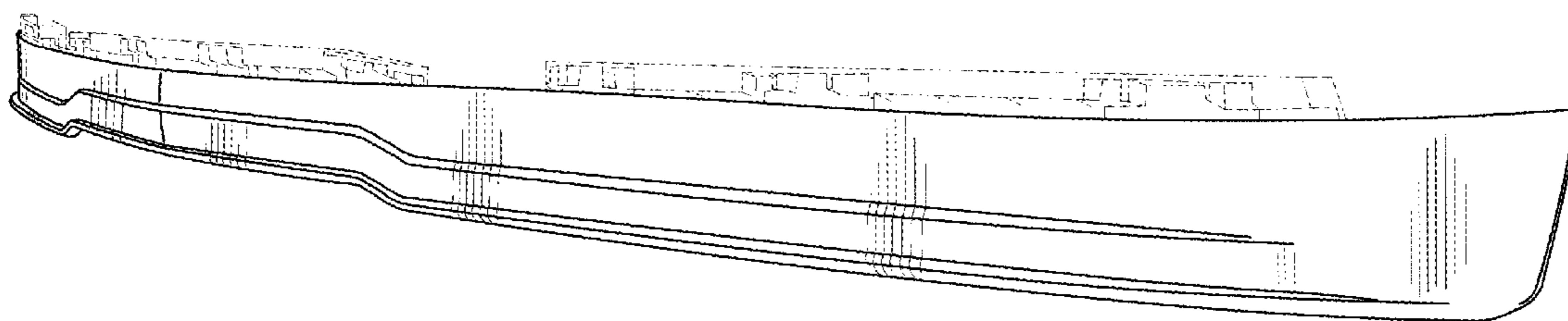
FIG. 1 is a front and left side perspective view of a vehicle deflector showing my new design;
FIG. 2 is a left side elevation view thereof to which the right side elevation view is a mirror image;
FIG. 3 is a front elevation view thereof; and,
FIG. 4 is a top plan view thereof.
The broken lines shown in the drawings depict portions of the vehicle deflector that form no part of the claimed design.

1 Claim, 2 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

D291,680 S * 9/1987 Everts D12/170
D491,851 S * 6/2004 Perfetti D12/181
D495,636 S * 9/2004 Iwata D12/181
D542,196 S * 5/2007 Levy D12/169
D570,742 S 6/2008 Takagi et al.
D592,105 S 5/2009 Dean et al.
D594,391 S * 6/2009 Bhambra D12/169
D597,447 S 8/2009 Folden
D600,595 S 9/2009 Nakamura et al.
D600,606 S * 9/2009 Lamm D12/169
D601,063 S * 9/2009 Lamm D12/169
D601,925 S 10/2009 O'Donnell
D603,308 S * 11/2009 Schiavone D12/169



(56)

References Cited

U.S. PATENT DOCUMENTS

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	
D646,607 S	* 10/2011	Verhee	D12/169
D654,840 S	* 2/2012	Barnaba	D12/190
D657,718 S	4/2012	Zipfel et al.	
D659,052 S	5/2012	Ware et al.	
D659,053 S	5/2012	Ware et al.	
8,210,600 B1	* 7/2012	Verhee	B62D 35/005 296/180.1
D664,903 S	* 8/2012	Platto	D12/169
D668,182 S	10/2012	Barba Franco et al.	
D668,183 S	10/2012	Smart	
D678,142 S	* 3/2013	Behmer	D12/169
D678,143 S	* 3/2013	Behmer	D12/169
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	
D681,518 S	* 5/2013	Platto	D12/169
D683,669 S	* 6/2013	Giachin	D12/169
D683,672 S	* 6/2013	Platto	D12/169
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	
D699,168 S	* 2/2014	Osborne	D12/169
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.	
D710,264 S	* 8/2014	Watkins	D12/169
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.	
D721,623 S	* 1/2015	Platto	D12/169
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.	
D739,315 S	* 9/2015	Blanski	D12/169
D739,317 S	9/2015	McMahan et al.	
D739,321 S	* 9/2015	Blanski	D12/169
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.	
D744,915 S	* 12/2015	Curic	D12/169
D744,916 S	* 12/2015	Curic	D12/169
D744,922 S	* 12/2015	Jamieson	D12/196
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.	
D749,470 S	* 2/2016	Behmer	D12/169
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.	
D753,562 S	* 4/2016	Wolff	D12/169
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 et al.	
D756,869 S	5/2016	McMahan et al.	
D758,271 S	6/2016	McMahan et al.	
D762,147 S	* 7/2016	Messale	D12/169
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.	
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	
D771,536 S	* 11/2016	Wolff	D12/169
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.	
D774,428 S	* 12/2016	Davidson	D12/169
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.	

(56)

References Cited

U.S. PATENT DOCUMENTS

D777,621 S	1/2017	Kim	D786,149 S	5/2017	Pevovar et al.
D777,622 S	1/2017	Kozub et al.	D786,743 S	5/2017	Smith et al.
D777,628 S	1/2017	Kozub et al.	D786,750 S	5/2017	Lee
D777,955 S	1/2017	Willett et al.	D787,386 S *	5/2017	Chang D12/169
D778,212 S	2/2017	Kozub et al.	D787,446 S	5/2017	Cockerill
D778,215 S	2/2017	Kozub et al.	D787,984 S	5/2017	Fang
D780,064 S	2/2017	Smith et al.	D787,988 S	5/2017	Lee
D780,067 S	2/2017	Zipfel et al.	D787,989 S	5/2017	Kozub et al.
D780,068 S	2/2017	Whitla et al.	D787,990 S	5/2017	Kozub et al.
D780,077 S	2/2017	Kim et al.	D787,992 S	5/2017	Lee
D780,081 S	2/2017	Lee	D787,993 S	5/2017	McCabe et al.
D780,084 S	2/2017	Scheer et al.	D788,001 S	5/2017	Lee
D780,631 S	3/2017	Kozub et al.	9,643,665 B2 *	5/2017	Hommes B62D 35/00
D780,644 S	3/2017	Kim et al.	D788,641 S	6/2017	Arnold
D781,184 S	3/2017	Thole et al.	D788,644 S	6/2017	Mueller
D781,192 S	3/2017	Kozub et al.	D788,645 S	6/2017	Mueller
D782,379 S	3/2017	Wassell	D788,658 S *	6/2017	Chang D12/169
D783,482 S	4/2017	Smith et al.	D789,250 S	6/2017	Arnold
D784,213 S	4/2017	Karras	D789,260 S	6/2017	Smith
D784,223 S	4/2017	Lee	D789,575 S	6/2017	Willett
D784,226 S	4/2017	Cheng	D789,841 S	6/2017	Malczewski
D784,579 S	4/2017	Cheng et al.	D789,849 S	6/2017	Lee
D784,877 S	4/2017	Lee	D797,619 S *	9/2017	Jung D12/169
D784,886 S	4/2017	Smith et al.	D802,496 S *	11/2017	Mainville D12/169
D785,521 S	5/2017	Smith et al.	D803,111 S *	11/2017	Jang D12/169
			D807,251 S *	1/2018	Piscitelli D12/169
			D813,746 S *	3/2018	Behmer D12/169
			D813,747 S *	3/2018	Behmer D12/169

* cited by examiner

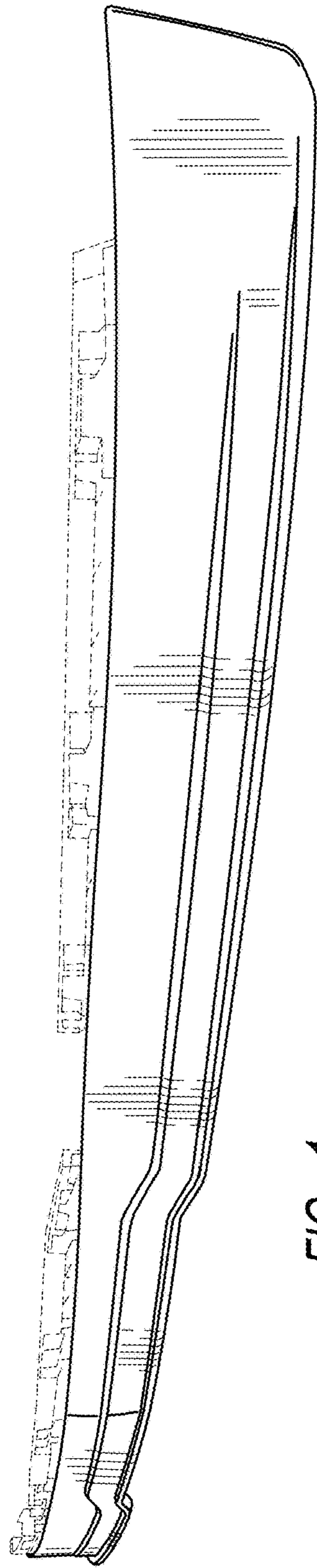


FIG-1

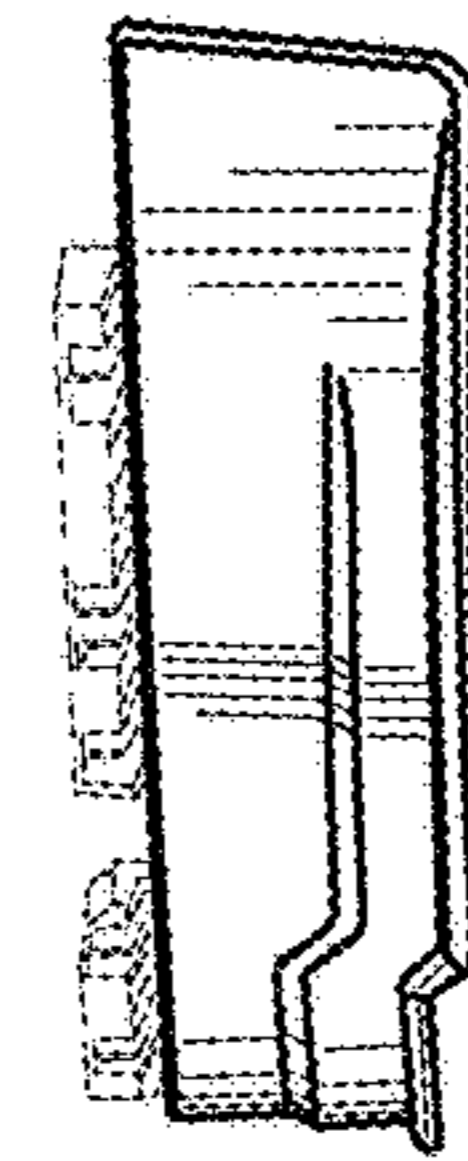


FIG-2

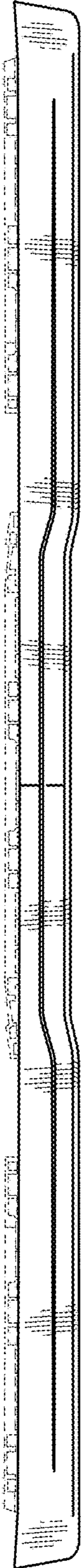


FIG - 3

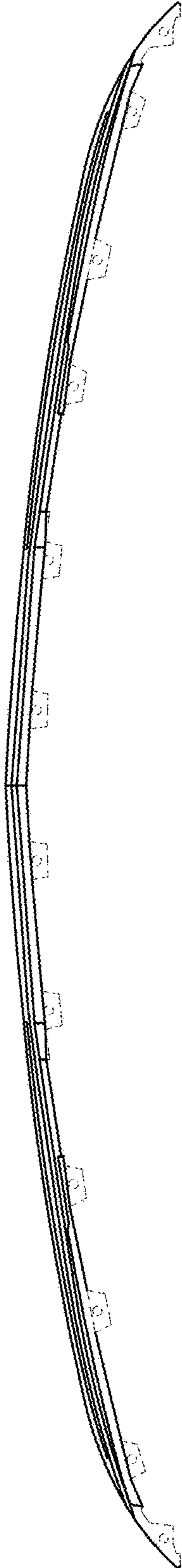


FIG - 4