



US00D812528S

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

(10) **Patent No.:** **US D812,528 S**

(45) **Date of Patent:** **\*\* Mar. 13, 2018**

(54) **VEHICLE FRONT LOWER BUMPER**

(71) Applicant: **GM GLOBAL TECHNOLOGY OPERATIONS LLC**, Detroit, MI (US)

(72) Inventor: **Luciano M. Nakamura**, Bloomfield, MI (US)

(73) Assignee: **GM Global Technology Operations LLC**, Detroit, MI (US)

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

(21) Appl. No.: **29/573,476**

(22) Filed: **Aug. 5, 2016**

(51) **LOC (11) Cl.** ..... **12-16**

(52) **U.S. Cl.**  
USPC ..... **D12/169**

(58) **Field of Classification Search**  
USPC .... D12/169, 216, 90-92, 86, 171, 196, 163;  
293/102, 113, 115, 117, 120; 296/180.1,  
296/180.2

CPC ..... B60R 19/02; B60R 19/04; B62D 25/08  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D570,742 S	6/2008	Takagi et al.
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.
D610,502 S	2/2010	Bucher ..... D12/169
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
D678,820 S	3/2013	Son et al.
D678,821 S	3/2013	Ikeda et al.
D680,909 S	4/2013	Munson et al.

(Continued)

*Primary Examiner* — Melody N Brown  
(74) *Attorney, Agent, or Firm* — Reising Ethington P.C.

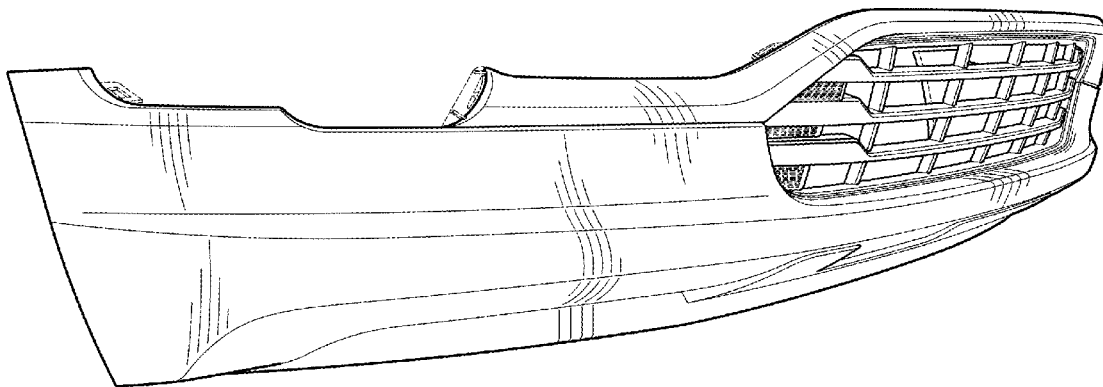
(57) **CLAIM**

The ornamental design for a vehicle front lower bumper, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a vehicle front lower bumper showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a left side elevational view thereof, the right side view being a mirror image thereof; and,  
FIG. 4 is a bottom view thereof.  
The broken lines shown in the drawings depict portions of the vehicle front lower bumper that form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D680,910 S	4/2013	David	D741,223 S	10/2015	Kim et al.
D684,899 S	6/2013	Baker	D743,309 S	11/2015	Thole et al.
D686,536 S	7/2013	McCabe et al.	D743,313 S	11/2015	Smith et al.
D692,798 S	11/2013	Thurber	D743,314 S	11/2015	Thole et al.
D692,799 S	11/2013	Smith et al.	D743,857 S	11/2015	McMahan et al.
D696,157 S	12/2013	Loeb	D744,158 S	11/2015	Willett et al.
D699,629 S	2/2014	Ikeda et al.	D745,086 S	12/2015	Finos et al.
D700,871 S	3/2014	O'Donnell et al.	D745,719 S	12/2015	Boniface et al.
D701,801 S	* 4/2014	Campbell .....	D745,725 S	12/2015	McMahan et al.
		D12/169	D745,726 S	12/2015	McMahan et al.
D703,103 S	4/2014	Lee	D745,837 S	12/2015	Smith et al.
D704,103 S	5/2014	Mack et al.	D746,726 S	1/2016	Smith et al.
D705,132 S	5/2014	Ware et al.	D746,727 S	1/2016	Smith et al.
D705,699 S	5/2014	Ware et al.	D746,728 S	1/2016	Smith et al.
D713,298 S	9/2014	Dyson	D746,729 S	1/2016	Boniface et al.
D713,764 S	9/2014	Ferlazzo et al.	D746,730 S	1/2016	Kim et al.
D716,696 S	11/2014	Thole et al.	D747,514 S	1/2016	McMahan et al.
D716,706 S	11/2014	Thole et al.	D747,515 S	1/2016	McMahan et al.
D716,709 S	11/2014	Thole et al.	D747,819 S	1/2016	Thole et al.
D717,696 S	11/2014	Thole et al.	D749,021 S	2/2016	Boniface et al.
D718,189 S	11/2014	Krieg et al.	D749,026 S	2/2016	Smith et al.
D718,683 S	12/2014	Thole et al.	D749,027 S	2/2016	McMahan et al.
D722,282 S	2/2015	Loeb	D749,246 S	2/2016	Thole et al.
D722,533 S	2/2015	Thole et al.	D749,249 S	2/2016	Thole et al.
D722,534 S	2/2015	Munson et al.	D749,250 S	2/2016	Thole et al.
D724,510 S	3/2015	McMahan et al.	D749,472 S	* 2/2016	Lee .....
D725,001 S	3/2015	McMahan et al.			D12/169
D726,591 S	4/2015	Jacob	D749,985 S	2/2016	Kozub et al.
D727,225 S	* 4/2015	Rupar .....	D749,997 S	2/2016	McMahan et al.
		D12/169	D750,001 S	2/2016	Thole et al.
D730,776 S	6/2015	Smart	D753,032 S	4/2016	Smith et al.
D730,783 S	6/2015	Henriques et al.	D753,033 S	4/2016	Thole et al.
D732,427 S	6/2015	Loeb	D753,034 S	4/2016	Thole et al.
D732,429 S	6/2015	Loeb	D753,035 S	4/2016	Boniface et al.
D732,430 S	6/2015	Loeb	D753,559 S	4/2016	McMahan et al.
D732,431 S	6/2015	Loeb	D753,560 S	4/2016	McMahan et al.
D732,432 S	6/2015	Aengenheyster	D753,567 S	4/2016	Boniface et al.
D732,433 S	6/2015	Aengenheyster	D754,571 S	4/2016	Boniface et al.
D732,435 S	6/2015	Mackay	D754,572 S	4/2016	McMahan et al.
D733,002 S	6/2015	Loeb	D755,088 S	5/2016	McMahan et al.
D735,611 S	8/2015	Aengenheyster	D756,869 S	5/2016	McMahan et al.
D735,627 S	8/2015	Smith	D758,271 S	6/2016	McMahan et al.
D736,451 S	8/2015	Smith	D771,533 S	* 11/2016	Kapitonov .....
D739,306 S	9/2015	McMahan et al.			D12/169
D739,317 S	9/2015	McMahan et al.	D771,534 S	* 11/2016	Bucher .....
					D12/169
			D793,302 S	* 8/2017	Kozub .....
					D12/169

\* cited by examiner

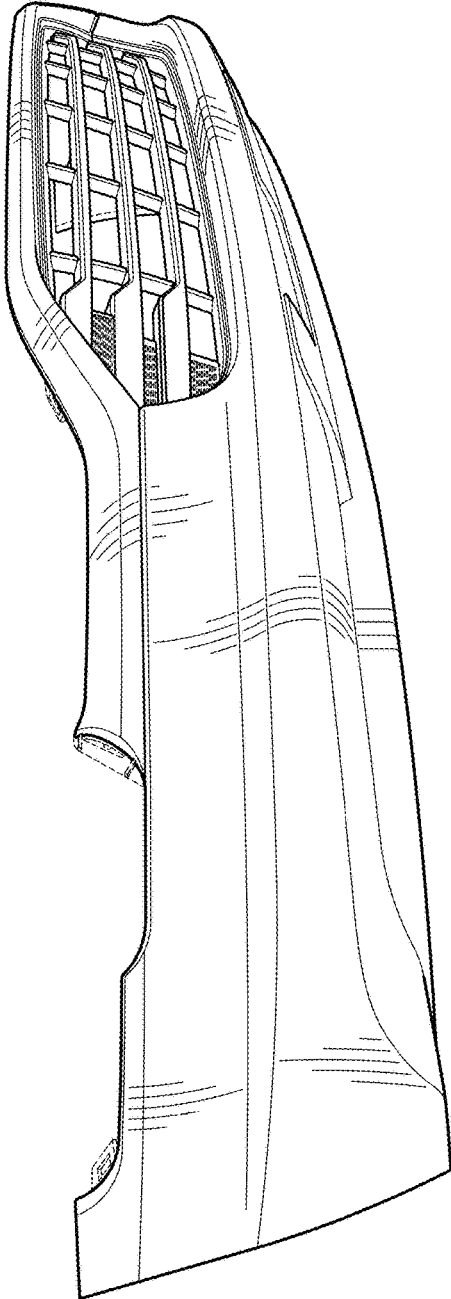


FIG. 1

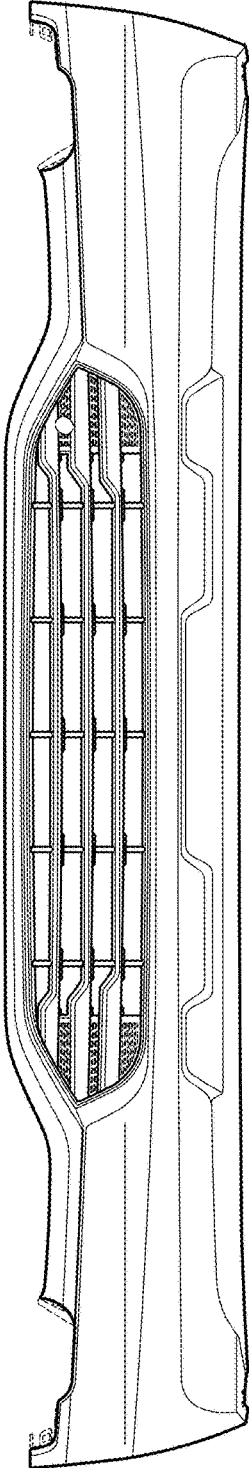


FIG. 2

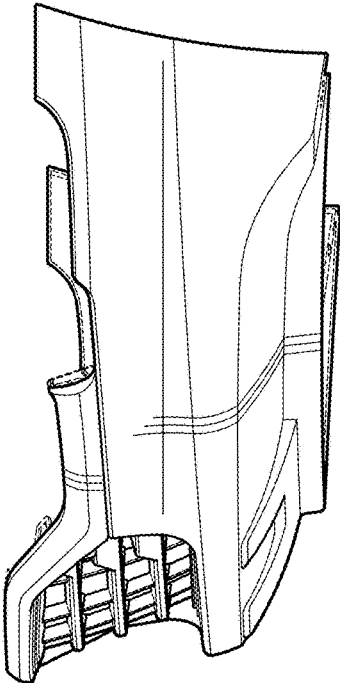


FIG. 3

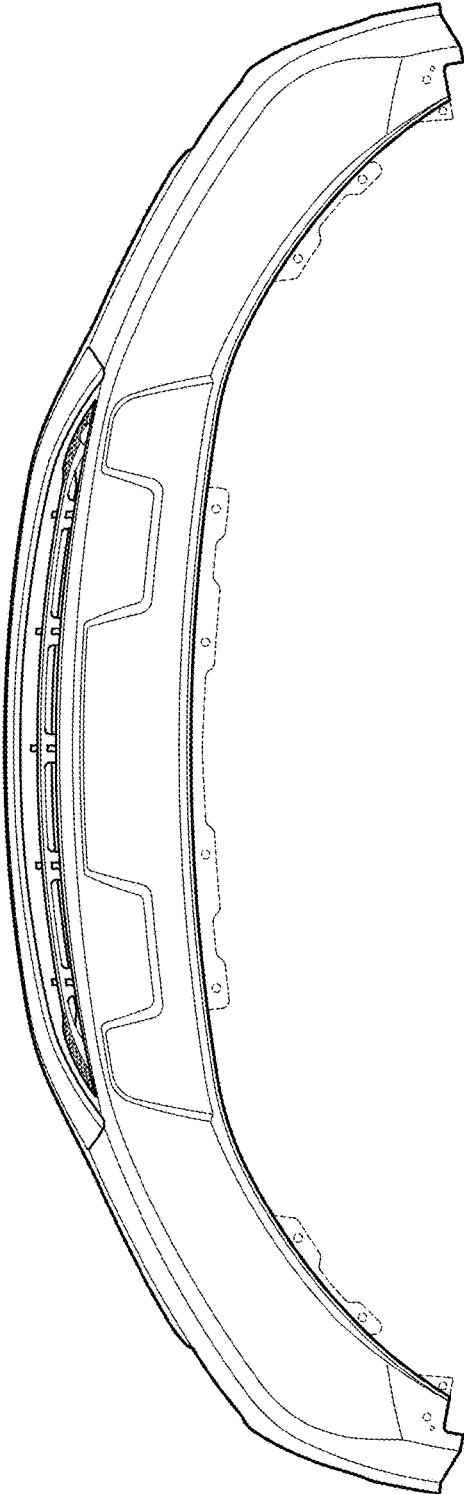


FIG. 4