



US00D830274S

(12) **United States Design Patent** (10) **Patent No.:** **US D830,274 S**  
**Aslam** (45) **Date of Patent:** **\*\* Oct. 9, 2018**

(54) **VEHICLE WHEEL**  
(71) Applicant: **USA Wheel and Tire Inc.**, Mesquite, TX (US)  
(72) Inventor: **Nadeem Aslam**, Mesquite, TX (US)  
(73) Assignee: **USA Wheel and Tire Outlet, Inc.**, Mesquite, TX (US)

D256,458 S 8/1980 Blanchard  
D256,688 S 9/1980 Zielinski  
4,280,736 A 7/1981 Raudman  
4,573,745 A 3/1986 Fujisaki  
D292,572 S 11/1987 Schell et al.  
D292,692 S 11/1987 Smith et al.  
D307,572 S 5/1990 de Lespinay  
D311,896 S 11/1990 Mori  
D323,138 S 1/1992 Malmgren et al.  
D325,189 S 4/1992 Kapitza

(Continued)

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

FOREIGN PATENT DOCUMENTS

(21) Appl. No.: **29/593,895**

AU 356765 7/2014  
AU 356766 7/2014

(22) Filed: **Feb. 14, 2017**

(Continued)

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

(52) **U.S. Cl.**

USPC ..... **D12/213**; D12/209

(58) **Field of Classification Search**

USPC ..... D12/400, 204–213, 501; D9/452, 538, D9/541, 546, 559, 669; D7/506, 539, D7/540, 556, 563, 567, 615, 675, 677; D21/771, 763, 779, 495, 561, 563; D23/411, 249, 250, 252, 253

CPC .... B60B 7/00; B60B 7/02; B60B 7/04; B60B 7/01; B60B 7/06; B60B 3/02; B60B 3/04; B60B 3/06; B60B 3/10; B60B 1/00; B60B 1/08; B60B 1/10; B60B 1/12

See application file for complete search history.

OTHER PUBLICATIONS

XM-318-20x10-2012-chrome-02. xmudderwheel.com. [online IMG] 1 pg. Uploaded Nov. 2016. [Retrieved on Mar. 29, 2018] <http://www.xmudderwheel.com/wp-content/uploads/2016/11/XM-318-20x10-2012-chrome-02.jpg>.\*

(Continued)

*Primary Examiner* — Susan Bennett Hattan  
*Assistant Examiner* — Marie D. Fast Horse  
(74) *Attorney, Agent, or Firm* — Sheridan Ross P.C.

(56) **References Cited**

U.S. PATENT DOCUMENTS

361,914 A \* 4/1887 Wing ..... B60B 1/08 301/65  
D85,591 S 11/1931 Munson  
D206,432 S 12/1966 Reid  
D231,732 S 6/1974 Ishibashi  
D235,431 S 6/1975 Scott  
D245,775 S 9/1977 Muth  
D248,295 S 6/1978 Day et al.  
4,114,953 A 9/1978 Baumgartner  
D255,233 S 6/1980 Watanabe

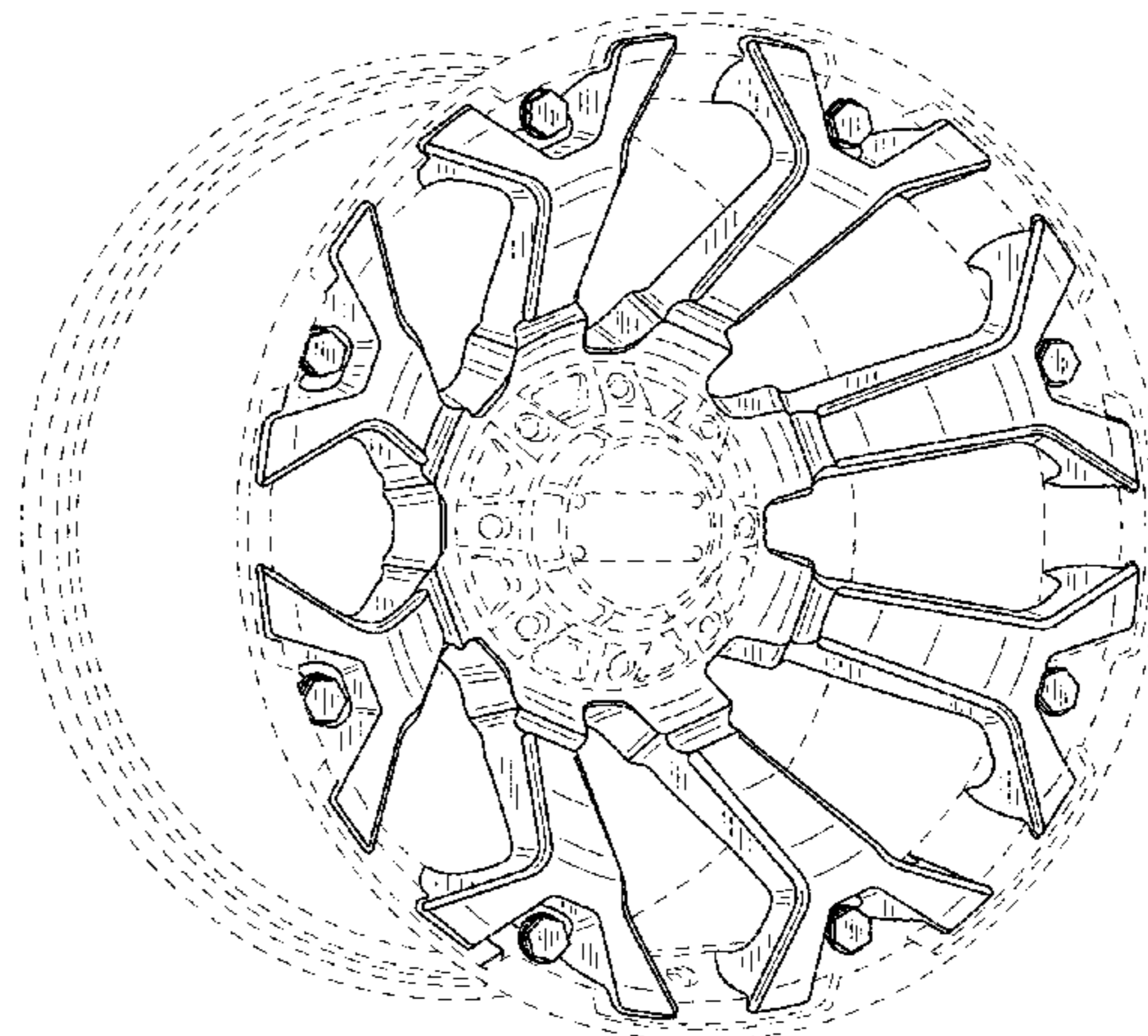
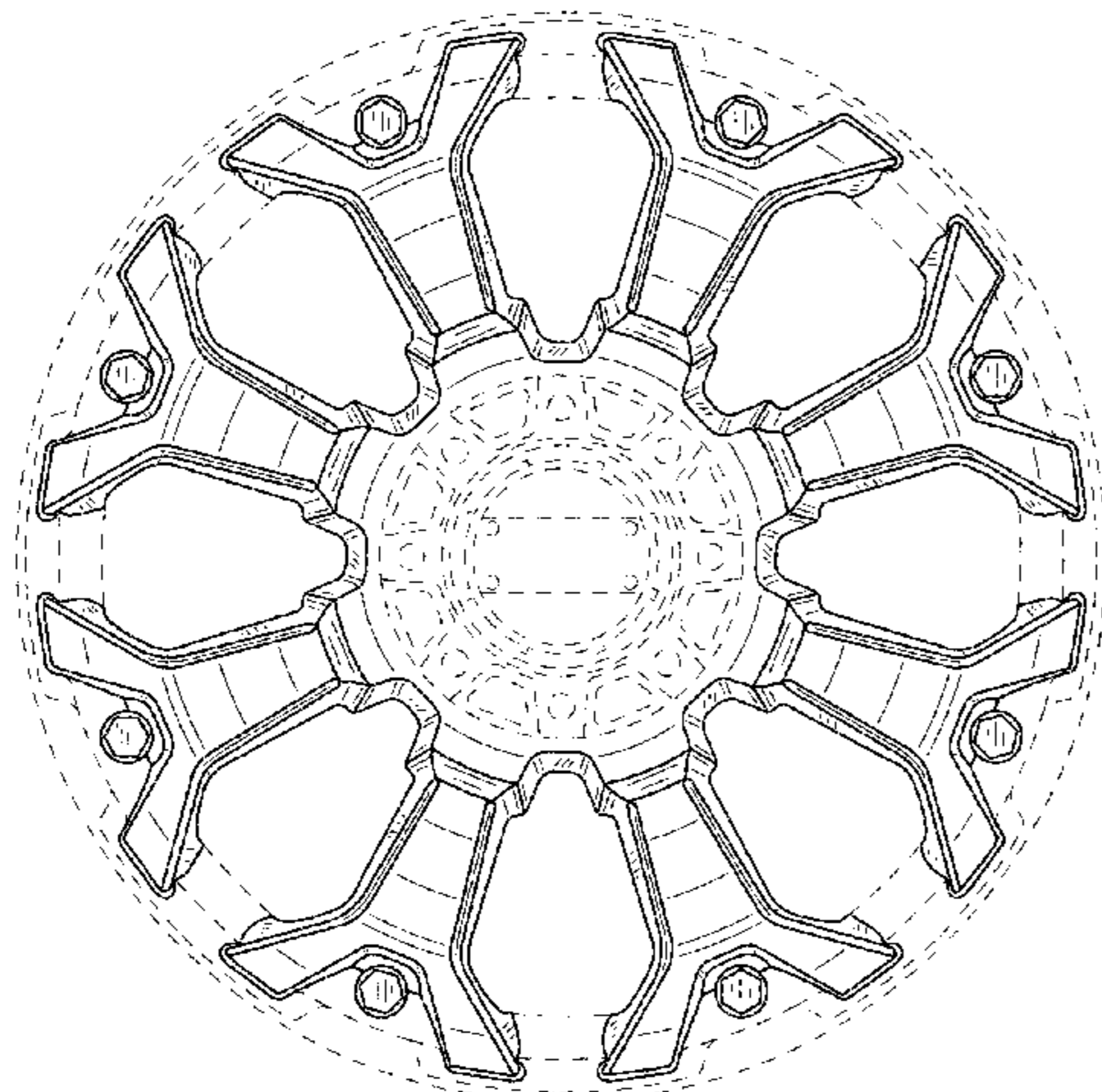
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front view of a vehicle wheel showing my new design; FIG. 2 is a front perspective view thereof; and, FIG. 3 is a rear view thereof. The broken lines show portions of the vehicle wheel which form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

|              |         |                   |         |              |         |                       |         |
|--------------|---------|-------------------|---------|--------------|---------|-----------------------|---------|
| D326,838 S   | 6/1992  | Julien            |         | D625,242 S   | 10/2010 | Zhao                  |         |
| D335,859 S   | 5/1993  | Mattin            |         | D628,527 S   | 12/2010 | Faghihzadeh           |         |
| D361,320 S   | 8/1995  | Wise              |         | D630,146 S   | 1/2011  | Finnie                |         |
| D367,637 S   | 3/1996  | Hall              |         | D633,028 S   | 2/2011  | Kim                   |         |
| D374,420 S   | 10/1996 | Neeper            |         | D634,690 S   | 3/2011  | Wiesinger             |         |
| D375,074 S   | 10/1996 | Sacco et al.      |         | D635,903 S   | 4/2011  | Zhang                 |         |
| D376,573 S * | 12/1996 | Niles .....       | D12/211 | D638,763 S   | 5/2011  | Chung                 |         |
| D390,180 S   | 2/1998  | Dehner            |         | D639,222 S   | 6/2011  | Johnson               |         |
| D391,215 S   | 2/1998  | Cervati           |         | D639,223 S * | 6/2011  | Johnson .....         | D12/209 |
| D392,931 S   | 3/1998  | Wang              |         | D641,677 S   | 7/2011  | Weil                  |         |
| D392,932 S   | 3/1998  | Wang              |         | D641,679 S   | 7/2011  | Vardis                |         |
| D395,634 S   | 6/1998  | Choi              |         | D648,254 S   | 11/2011 | Barry                 |         |
| D410,618 S   | 6/1999  | Hussaini et al.   |         | D655,234 S   | 3/2012  | Zhao                  |         |
| D417,427 S   | 12/1999 | Brown             |         | D655,658 S   | 3/2012  | Noone et al.          |         |
| 6,024,415 A  | 2/2000  | Stach             |         | D655,660 S   | 3/2012  | Stucki                |         |
| D429,206 S   | 8/2000  | Ito               |         | D655,663 S   | 3/2012  | Zhao                  |         |
| D433,985 S   | 11/2000 | Pfeiffer          |         | D656,448 S   | 3/2012  | Zhao                  |         |
| D437,821 S   | 2/2001  | Frohlich          |         | D656,451 S   | 3/2012  | Zhao                  |         |
| D438,500 S   | 3/2001  | Embrador          |         | D656,877 S   | 4/2012  | Ikeda et al.          |         |
| 6,234,581 B1 | 5/2001  | Stach             |         | D659,069 S   | 5/2012  | Johnson               |         |
| D455,701 S   | 4/2002  | McMath            |         | D659,625 S   | 5/2012  | Chan                  |         |
| D456,332 S   | 4/2002  | Vian              |         | D660,220 S   | 5/2012  | Chan                  |         |
| D470,094 S   | 2/2003  | van Hooydonk      |         | D660,767 S   | 5/2012  | von Holzhausen et al. |         |
| 6,598,917 B1 | 7/2003  | Hapner et al.     |         | D664,081 S   | 7/2012  | Muller                |         |
| D480,036 S   | 9/2003  | Laengerer         |         | D666,955 S   | 9/2012  | Chung                 |         |
| D483,714 S   | 12/2003 | Warming           |         | D670,222 S * | 11/2012 | Chung .....           | D12/209 |
| D486,114 S   | 2/2004  | Lai               |         | D670,226 S   | 11/2012 | Muller                |         |
| D495,288 S   | 8/2004  | Walbey, Jr.       |         | D670,634 S   | 11/2012 | Lee                   |         |
| D496,320 S   | 9/2004  | Cheng             |         | D671,059 S   | 11/2012 | Pollmann              |         |
| D496,623 S   | 9/2004  | Elmitt            |         | D678,156 S   | 3/2013  | Gotschke              |         |
| D505,905 S   | 6/2005  | Walbey, Jr.       |         | D678,160 S   | 3/2013  | Claunch               |         |
| D506,966 S   | 7/2005  | Kataoka           |         | D680,047 S * | 4/2013  | Hale, Jr. ....        | D12/209 |
| D513,222 S   | 12/2005 | Pohanka           |         | D680,049 S   | 4/2013  | Hale, Jr.             |         |
| D519,900 S   | 5/2006  | Francis           |         | D680,486 S   | 4/2013  | Zhao                  |         |
| D522,950 S   | 6/2006  | Pfeiffer          |         | D680,936 S   | 4/2013  | Claunch               |         |
| D527,332 S * | 8/2006  | Khan .....        | D12/211 | D680,940 S   | 4/2013  | Hale, Jr.             |         |
| D528,493 S   | 9/2006  | Stacy             |         | D681,534 S   | 5/2013  | Zhao                  |         |
| D528,495 S   | 9/2006  | Truebsbach        |         | D684,516 S   | 6/2013  | Bennion               |         |
| D533,496 S   | 12/2006 | Bogani et al.     |         | D686,129 S   | 7/2013  | Juergens et al.       |         |
| D534,473 S   | 1/2007  | Bernoni           |         | D686,131 S   | 7/2013  | Nissl                 |         |
| D537,767 S   | 3/2007  | Pfeiffer          |         | D686,961 S * | 7/2013  | Chung .....           | D12/209 |
| D541,726 S   | 5/2007  | Musser            |         | D686,963 S   | 7/2013  | Hale, Jr.             |         |
| D542,209 S   | 5/2007  | Pfeiffer          |         | D686,966 S   | 7/2013  | Pollmann              |         |
| D542,727 S   | 5/2007  | Manfredini        |         | D691,542 S   | 10/2013 | Chan                  |         |
| D543,922 S   | 6/2007  | Young             |         | D691,544 S   | 10/2013 | Ferrett               |         |
| D544,822 S   | 6/2007  | Walbey, Jr.       |         | D695,181 S * | 12/2013 | Kong .....            | D12/209 |
| D548,167 S   | 8/2007  | Groom             |         | D695,191 S   | 12/2013 | Kogawa                |         |
| D549,148 S   | 8/2007  | Buschmann         |         | D695,194 S   | 12/2013 | Kong                  |         |
| D555,065 S   | 11/2007 | Hernandez         |         | D695,196 S   | 12/2013 | Zane                  |         |
| D567,166 S   | 4/2008  | Bogani            |         | D695,666 S * | 12/2013 | Chung .....           | D12/209 |
| D570,276 S   | 6/2008  | Chung             |         | D696,616 S   | 12/2013 | Gueler et al.         |         |
| D571,702 S   | 6/2008  | Guidry            |         | D697,003 S   | 1/2014  | Baum et al.           |         |
| D578,457 S   | 10/2008 | Guidry            |         | D697,008 S   | 1/2014  | Juergens et al.       |         |
| D578,458 S   | 10/2008 | Cortes            |         | D697,013 S   | 1/2014  | Nemeth                |         |
| D582,334 S   | 12/2008 | Fournier          |         | D698,300 S   | 1/2014  | Chung                 |         |
| D582,829 S   | 12/2008 | Musser            |         | D700,565 S   | 3/2014  | Gonzalez              |         |
| D582,830 S   | 12/2008 | Musser            |         | D701,811 S   | 4/2014  | Hale, Jr.             |         |
| D582,831 S   | 12/2008 | Musser            |         | D701,812 S   | 4/2014  | Hale, Jr.             |         |
| D584,673 S * | 1/2009  | Chung .....       | D12/209 | D701,813 S   | 4/2014  | Kern                  |         |
| D585,352 S   | 1/2009  | Scheu             |         | D703,603 S   | 4/2014  | Tirado                |         |
| D585,353 S   | 1/2009  | Scheu             |         | D704,124 S   | 5/2014  | Hale, Jr.             |         |
| D587,179 S   | 2/2009  | Pfeiffer          |         | D704,617 S   | 5/2014  | Chung                 |         |
| D593,018 S * | 5/2009  | Juergens .....    | D12/209 | D706,196 S   | 6/2014  | Lee                   |         |
| D594,802 S   | 6/2009  | Gustafsson        |         | D706,197 S   | 6/2014  | Chung                 |         |
| D596,548 S   | 7/2009  | Gallert           |         | D706,199 S   | 6/2014  | Chung                 |         |
| D604,685 S   | 11/2009 | Zhou et al.       |         | D707,610 S   | 6/2014  | Hale, Jr.             |         |
| D610,065 S   | 2/2010  | Gallert           |         | D710,286 S   | 8/2014  | Yamaguchi             |         |
| D610,516 S   | 2/2010  | Dilber et al.     |         | D712,814 S   | 9/2014  | Starr, Jr.            |         |
| D613,661 S   | 4/2010  | Lee et al.        |         | D714,202 S * | 9/2014  | Kim .....             | D12/209 |
| D621,320 S   | 8/2010  | Majdandzic        |         | D714,704 S   | 10/2014 | Kim                   |         |
| D621,321 S   | 8/2010  | Groom             |         | D717,224 S   | 11/2014 | Kim                   |         |
| D621,766 S   | 8/2010  | Antoniadis et al. |         | D717,711 S   | 11/2014 | Kern                  |         |
| D622,197 S   | 8/2010  | Zhao              |         | D719,496 S   | 12/2014 | Johnson               |         |
| D623,109 S   | 9/2010  | Markefka          |         | D719,890 S   | 12/2014 | Johnson               |         |
| D623,111 S   | 9/2010  | Spoerle           |         | D719,891 S   | 12/2014 | Johnson               |         |
|              |         |                   |         | D721,631 S   | 1/2015  | Ferrett               |         |
|              |         |                   |         | D722,548 S   | 2/2015  | Chung                 |         |
|              |         |                   |         | D723,989 S   | 3/2015  | Morikawa              |         |
|              |         |                   |         | D723,992 S   | 3/2015  | Zhao                  |         |

(56)

## References Cited

## U.S. PATENT DOCUMENTS

|            |           |                        |         |
|------------|-----------|------------------------|---------|
| D723,994 S | 3/2015    | Chung                  |         |
| D726,088 S | 4/2015    | Hodges                 |         |
| D726,089 S | 4/2015    | Hodges                 |         |
| D726,621 S | * 4/2015  | Alfonso .....          | D12/209 |
| D731,386 S | 6/2015    | Ferrett                |         |
| D733,023 S | 6/2015    | Ferrett                |         |
| D733,631 S | 7/2015    | Dionisopoulos et al.   |         |
| D735,102 S | 7/2015    | Swanseger              |         |
| D735,630 S | 8/2015    | Swanseger              |         |
| D736,133 S | * 8/2015  | Hale .....             | D12/209 |
| D736,136 S | 8/2015    | Hale, Jr.              |         |
| D736,138 S | * 8/2015  | Hale .....             | D12/213 |
| D737,189 S | 8/2015    | Claunch                |         |
| D737,191 S | 8/2015    | Chung                  |         |
| D738,279 S | 9/2015    | Dionisopoulos et al.   |         |
| D738,280 S | 9/2015    | Hale                   |         |
| D740,197 S | 10/2015   | Valencia Pollex        |         |
| D740,735 S | 10/2015   | Matsumura              |         |
| D741,241 S | 10/2015   | Hale, Jr.              |         |
| D741,770 S | 10/2015   | Kim                    |         |
| D744,931 S | 12/2015   | Curic et al.           |         |
| D745,841 S | 12/2015   | Ferrett                |         |
| D745,842 S | 12/2015   | Wheel                  |         |
| D746,209 S | * 12/2015 | Chung .....            | D12/209 |
| D746,212 S | 12/2015   | Valencia Pollex        |         |
| D747,251 S | 1/2016    | Hammond                |         |
| D748,553 S | 2/2016    | Miyazawa               |         |
| D748,554 S | * 2/2016  | Hale, Jr. ....         | D12/209 |
| D748,560 S | 2/2016    | Simm                   |         |
| D751,017 S | 3/2016    | Chung                  |         |
| D751,481 S | 3/2016    | Chung                  |         |
| D751,966 S | 3/2016    | Zhao                   |         |
| D752,497 S | * 3/2016  | Johnson .....          | D12/209 |
| D757,624 S | 5/2016    | Hammond                |         |
| D757,628 S | 5/2016    | Rolfs et al.           |         |
| D757,629 S | 5/2016    | Hubers et al.          |         |
| D758,275 S | 6/2016    | Patel                  |         |
| D758,944 S | 6/2016    | Rolfs et al.           |         |
| D759,561 S | * 6/2016  | Hale, Jr. ....         | D12/209 |
| D760,138 S | 6/2016    | Henderson              |         |
| D760,139 S | 6/2016    | Dionisopoulos et al.   |         |
| D762,545 S | 8/2016    | Hodges                 |         |
| D762,546 S | 8/2016    | Giolito                |         |
| D763,163 S | 8/2016    | Chung                  |         |
| D763,760 S | 8/2016    | Gale et al.            |         |
| D763,761 S | 8/2016    | Dionisopoulos et al.   |         |
| D763,762 S | 8/2016    | Ghobrial et al.        |         |
| D763,763 S | 8/2016    | Stone et al.           |         |
| D763,764 S | 8/2016    | Dunford et al.         |         |
| D765,002 S | 8/2016    | Hoste et al.           |         |
| D765,004 S | 8/2016    | Holstein               |         |
| D765,005 S | 8/2016    | Garbas                 |         |
| D765,572 S | 9/2016    | Umehara                |         |
| D765,574 S | 9/2016    | Hale, Jr.              |         |
| D766,152 S | 9/2016    | Likliter               |         |
| D766,604 S | 9/2016    | Goodrich et al.        |         |
| D766,802 S | 9/2016    | Vartola et al.         |         |
| D766,803 S | 9/2016    | Giolito                |         |
| D766,805 S | 9/2016    | Chung                  |         |
| D766,806 S | 9/2016    | Tannen et al.          |         |
| D767,465 S | * 9/2016  | Liffick .....          | D12/209 |
| D767,468 S | 9/2016    | Stone et al.           |         |
| D768,045 S | 10/2016   | Curic et al.           |         |
| D768,047 S | 10/2016   | Hans et al.            |         |
| D768,553 S | 10/2016   | Ishii                  |         |
| D769,165 S | 10/2016   | Choi                   |         |
| D770,353 S | 11/2016   | Hale, Jr.              |         |
| D772,133 S | 11/2016   | Stone et al.           |         |
| D774,434 S | 12/2016   | Nakahara               |         |
| D774,437 S | 12/2016   | Nakano                 |         |
| D775,049 S | 12/2016   | Scheer et al.          |         |
| D775,573 S | 1/2017    | Simpson                |         |
| D776,040 S | 1/2017    | Zhao                   |         |
| D778,222 S | 2/2017    | Chung                  |         |
| D780,084 S | 2/2017    | Scheer et al.          |         |
| D780,086 S | 2/2017    | Galante et al.         |         |
| D780,660 S | 3/2017    | Giolito                |         |
| D780,662 S | 3/2017    | Zhao                   |         |
| D781,197 S | 3/2017    | Ninov et al.           |         |
| D781,198 S | 3/2017    | Owens et al.           |         |
| D781,199 S | 3/2017    | Dionisopoulos et al.   |         |
| D781,201 S | 3/2017    | Ninov et al.           |         |
| D781,204 S | 3/2017    | Peat                   |         |
| D781,206 S | 3/2017    | Giolito                |         |
| D781,763 S | 3/2017    | Webber                 |         |
| D781,766 S | 3/2017    | Galante et al.         |         |
| D782,383 S | 3/2017    | Owens et al.           |         |
| D782,385 S | 3/2017    | Zhao                   |         |
| D782,952 S | 4/2017    | Ninov et al.           |         |
| D782,954 S | 4/2017    | Liffick                |         |
| D783,486 S | 4/2017    | Simpson                |         |
| D783,491 S | 4/2017    | Valencia Pollex et al. |         |
| D783,492 S | 4/2017    | Valencia Pollex        |         |
| D784,235 S | 4/2017    | Kim                    |         |
| D784,889 S | 4/2017    | Peat                   |         |
| D784,891 S | 4/2017    | Groth                  |         |
| D784,897 S | * 4/2017  | Zhao .....             | D12/211 |
| D785,537 S | 5/2017    | Valencia Pollex et al. |         |
| D786,159 S | 5/2017    | Boyd                   |         |
| D786,161 S | 5/2017    | Vartoloa et al.        |         |
| D786,163 S | 5/2017    | Wuescher               |         |
| D787,410 S | 5/2017    | Chung                  |         |
| D787,412 S | * 5/2017  | Alfonso .....          | D12/211 |
| D787,413 S | * 5/2017  | Alfonso .....          | D12/211 |
| D788,003 S | 5/2017    | Conforzi et al.        |         |
| D788,008 S | 5/2017    | Zhao                   |         |
| D788,009 S | 5/2017    | Zhao                   |         |
| D788,673 S | * 6/2017  | Krause .....           | D12/209 |
| D788,674 S | 6/2017    | Mielke                 |         |
| D788,676 S | 6/2017    | Payne                  |         |
| D788,677 S | 6/2017    | Lickliter              |         |
| D788,679 S | 6/2017    | Yang et al.            |         |
| D790,427 S | 6/2017    | Palana                 |         |
| D790,428 S | 6/2017    | Zhao                   |         |
| D791,043 S | * 7/2017  | Johnson .....          | D12/209 |
| D791,046 S | 7/2017    | Ishii                  |         |
| D791,047 S | * 7/2017  | Bucher .....           | D12/211 |
| D791,049 S | 7/2017    | Burki                  |         |
| D791,051 S | 7/2017    | Johnson                |         |
| D791,052 S | 7/2017    | Hodges                 |         |
| D791,057 S | 7/2017    | Johnson                |         |
| D791,672 S | 7/2017    | Palana                 |         |
| D791,675 S | 7/2017    | Guo                    |         |
| D791,975 S | 7/2017    | Nelson                 |         |
| D792,306 S | 7/2017    | Ishigaki               |         |
| D792,308 S | 7/2017    | Guo                    |         |
| D792,314 S | 7/2017    | Gardavsky              |         |
| D792,316 S | 7/2017    | Groth                  |         |
| D793,322 S | 8/2017    | Hodges                 |         |
| D793,324 S | 8/2017    | Valencia Pollex        |         |
| D793,938 S | 8/2017    | Yang et al.            |         |
| D793,939 S | 8/2017    | Hans et al.            |         |
| D793,942 S | 8/2017    | Factor                 |         |
| D794,532 S | 8/2017    | Zhao                   |         |
| D795,150 S | 8/2017    | Tran                   |         |
| D795,153 S | 8/2017    | Peat                   |         |
| D795,154 S | 8/2017    | Hans et al.            |         |
| D795,775 S | 8/2017    | Simpson                |         |
| D795,778 S | 8/2017    | Valencia Pollex        |         |
| D795,779 S | 8/2017    | Valencia Pollex        |         |
| D795,780 S | 8/2017    | Simpson                |         |
| D796,408 S | 9/2017    | Valencia Pollex        |         |
| D797,026 S | 9/2017    | Khachatryan            |         |
| D797,028 S | 9/2017    | Chung                  |         |
| D797,030 S | 9/2017    | Chung                  |         |
| D797,634 S | 9/2017    | Baccari                |         |
| D797,635 S | 9/2017    | Rueckheim              |         |
| D797,636 S | 9/2017    | Chung                  |         |
| D798,211 S | * 9/2017  | Chung .....            | D12/209 |
| D798,213 S | 9/2017    | Valencia Pollex        |         |
| D798,786 S | 10/2017   | Chung                  |         |
| D799,394 S | 10/2017   | Yamashita              |         |
| D799,399 S | 10/2017   | Chung                  |         |
| D800,046 S | 10/2017   | Chung                  |         |

(56)

References Cited

U.S. PATENT DOCUMENTS

D800,626 S 10/2017 Sempek  
 D800,627 S 10/2017 Mielke  
 D800,629 S 10/2017 Tran  
 D800,633 S 10/2017 Kong  
 D801,252 S 10/2017 McMath  
 D802,512 S 11/2017 Kong  
 D803,129 S 11/2017 McMath  
 D803,748 S \* 11/2017 English ..... D12/209  
 D803,752 S 11/2017 Sempek  
 D803,753 S 11/2017 Zhao  
 D803,755 S 11/2017 Widua  
 9,815,323 B2 11/2017 Chenault, III et al.  
 D804,387 S 12/2017 Zhao  
 D804,388 S 12/2017 Snyder et al.  
 D805,016 S 12/2017 Jallad  
 D805,456 S 12/2017 Chung  
 D805,991 S 12/2017 Platto et al.  
 D805,993 S 12/2017 Sempek  
 9,840,110 B2 12/2017 Dingle  
 D806,629 S 1/2018 Bridan et al.  
 D806,630 S 1/2018 McMath  
 D806,631 S 1/2018 Sempek  
 D806,633 S 1/2018 Setter et al.  
 D807,270 S 1/2018 Zhao  
 D808,322 S 1/2018 Sempek  
 D808,327 S 1/2018 Chung

9,878,575 B2 \* 1/2018 Kim ..... B60B 3/10  
 D811,304 S 2/2018 Chung  
 D813,137 S 3/2018 Sempek  
 2007/0257547 A1 11/2007 Tsai  
 2013/0119749 A1 5/2013 Kondo et al.  
 2014/0103701 A1 4/2014 Chung et al.  
 2014/0159469 A1 6/2014 Chinavare et al.  
 2015/0042150 A1 2/2015 Goto  
 2015/0275336 A1 10/2015 Fukuda  
 2016/0001591 A1 1/2016 Inatani et al.  
 2016/0052335 A1 2/2016 Dingle et al.  
 2016/0303895 A1 \* 10/2016 Kim ..... B60B 3/10  
 2016/0339739 A1 11/2016 Hodges

FOREIGN PATENT DOCUMENTS

CN 0017998340005 12/2010  
 CN 102795050 11/2012  
 JP 5323783 10/2013  
 KR 20130030557 3/2013

OTHER PUBLICATIONS

XM-101-Gloss-Black-With-Milling-Window—XM-318. [online IMG]  
 1 pg. Uploaded Jul. 2016. [Retrieved on Mar. 29, 2018] <http://www.xmudderwheel.com/wp-content/uploads/2016/07/XM-101-GLOSS-BLACK-WITH-MILLING-WINDOW.jpg>.\*

\* cited by examiner

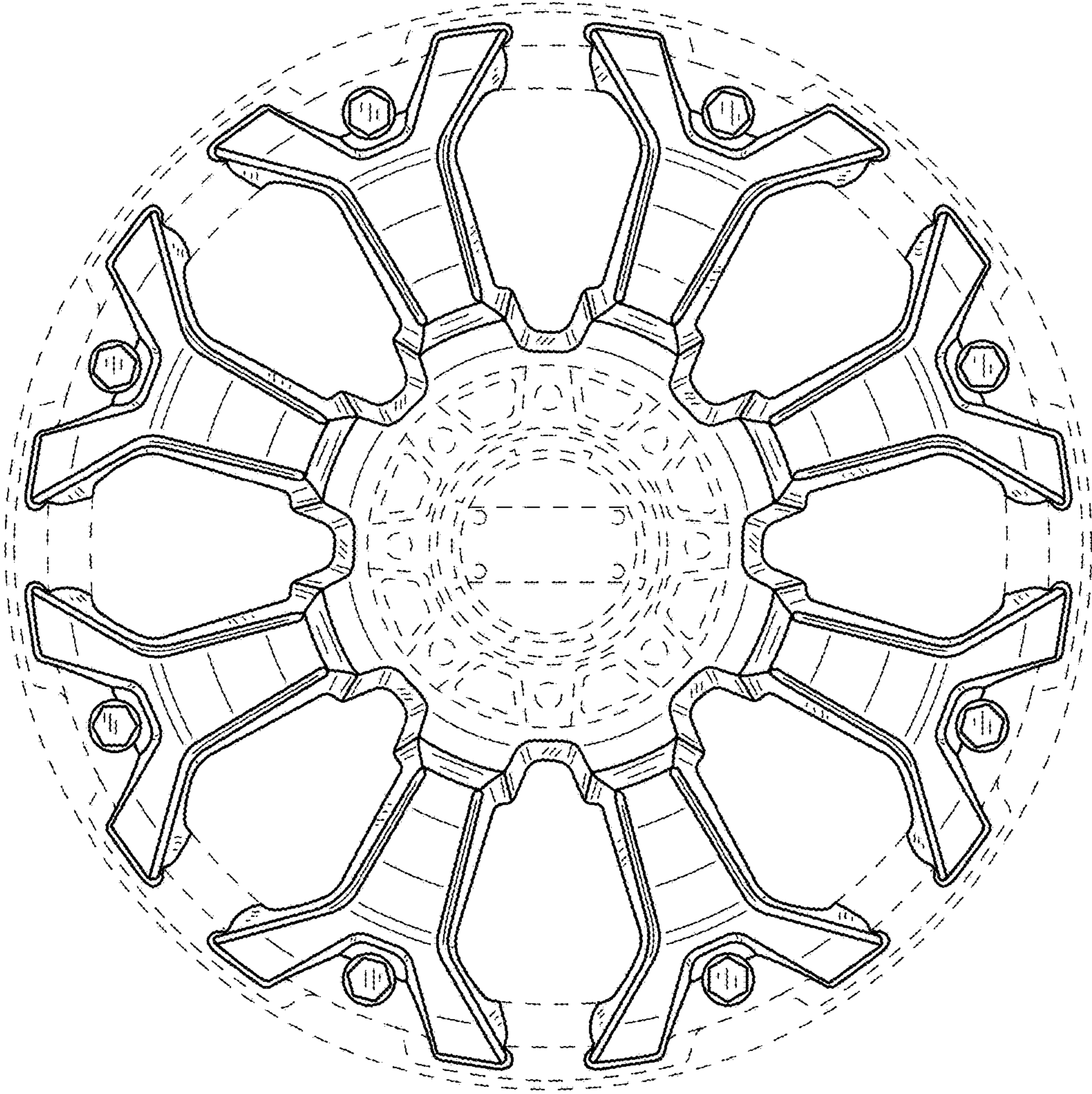


FIG.1

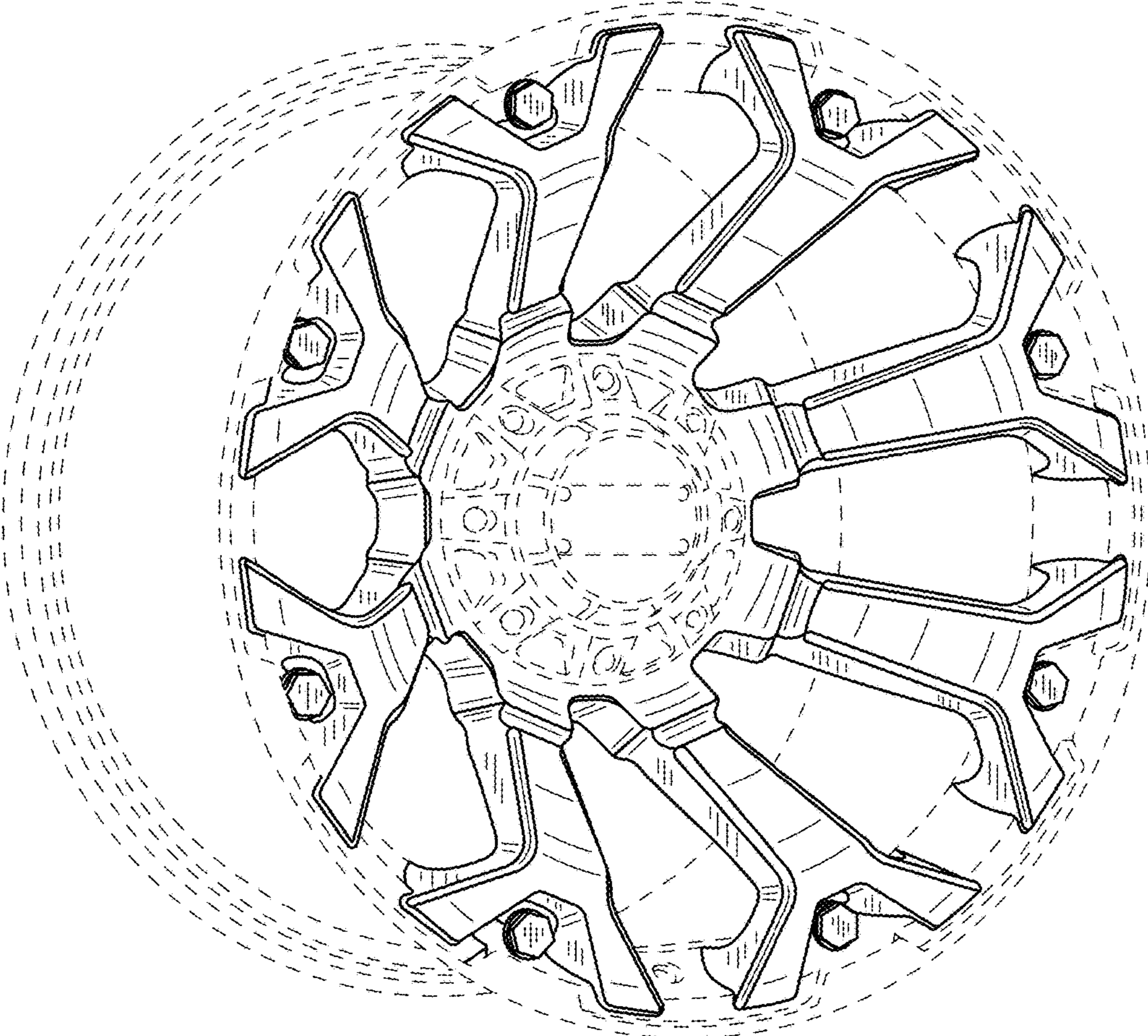


FIG.2

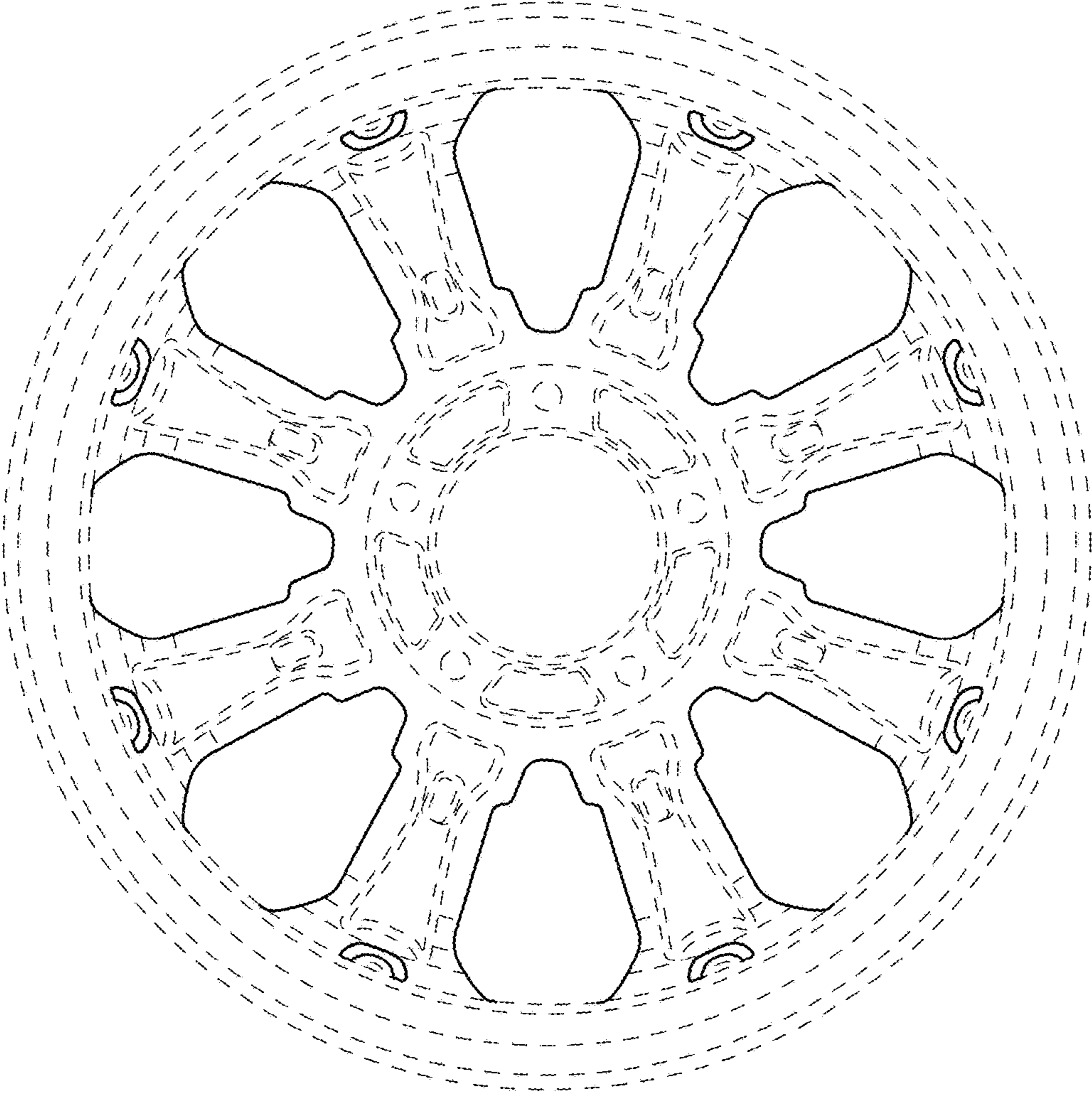


FIG.3