



US00D923543S

(12) **United States Design Patent** (10) **Patent No.:** **US D923,543 S**  
**Carminati et al.** (45) **Date of Patent:** **\*\* \*Jun. 29, 2021**

(54) **DISC BRAKE**  
(71) Applicant: **Freni Brembo S.p.A.**, Curno (IT)  
(72) Inventors: **Fabiano Carminati**, Curno (IT);  
**Simone Biondo**, Curno (IT)  
(73) Assignee: **Freni Brembo S.p.A.**, Bergamo (IT)  
(\* ) Notice: This patent is subject to a terminal disclaimer.  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/702,034**  
(22) Filed: **Aug. 16, 2019**  
(30) **Foreign Application Priority Data**

D497,127 S \* 10/2004 Veneziano ..... D12/180  
D609,147 S \* 2/2010 Schmitz ..... D12/180  
D640,620 S \* 6/2011 Bielis, IV ..... D12/180  
D640,622 S \* 6/2011 Schmitz ..... D12/180  
D647,442 S \* 10/2011 Schmitz ..... D12/180  
D690,634 S \* 10/2013 Joseph ..... D12/180  
D691,528 S \* 10/2013 Joseph ..... D12/180  
8,851,245 B2 \* 10/2014 Bielis, IV ..... F16D 65/127  
188/218 XL  
9,765,834 B2 \* 9/2017 Joseph ..... F16D 65/0006  
10,156,275 B2 \* 12/2018 Carminati ..... F16D 65/123  
D842,781 S \* 3/2019 Keller ..... D12/180  
2004/0040802 A1 \* 3/2004 Veneziano ..... F16D 65/128  
188/218 XL  
2004/0140164 A1 \* 7/2004 Burgoon ..... F16D 65/123  
188/218 R  
2004/0200678 A1 \* 10/2004 Lin ..... F16D 65/12  
188/218 XL  
2012/0168266 A1 \* 7/2012 Veneziano ..... F16D 65/12  
188/218 XL  
2013/0327602 A1 \* 12/2013 Barber ..... B22C 9/00  
188/218 XL

Feb. 18, 2019 (IT) ..... 402019000000297  
(51) **LOC (13) Cl.** ..... **12-16**  
(52) **U.S. Cl.**  
USPC ..... **D12/180**  
(58) **Field of Classification Search**  
USPC ..... D12/14, 106, 114, 118, 122, 160, 161,  
D12/162, 179, 180, 207, 217, 400  
CPC ..... B22C 9/00; F16D 65/0006; F16D 65/12;  
F16D 65/123; F16D 65/126; F16D  
65/127; F16D 65/128; F16D 69/00  
See application file for complete search history.

\* cited by examiner  
*Primary Examiner* — Susan E Krakower  
*Assistant Examiner* — Jerry Shiuan-Hua Hsu  
(74) *Attorney, Agent, or Firm* — Marshall & Melhorn,  
LLC

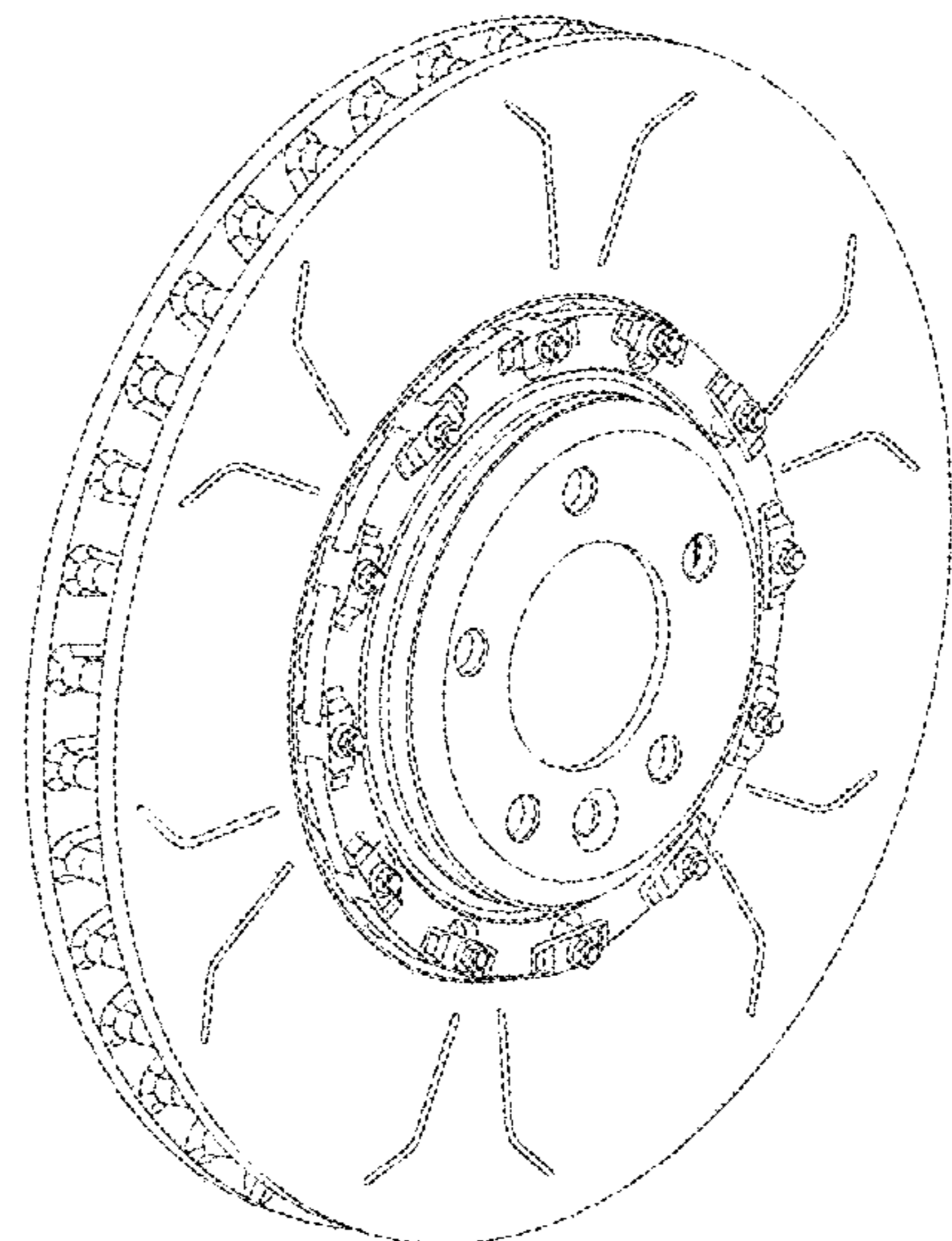
(56) **References Cited**  
U.S. PATENT DOCUMENTS  
2,835,355 A \* 5/1958 Armstrong ..... F16D 65/12  
188/218 XL  
3,425,524 A \* 2/1969 Dewar ..... F16D 65/126  
188/218 XL  
4,726,455 A \* 2/1988 East ..... F16D 69/00  
192/107 R  
D459,282 S \* 6/2002 Oberti ..... D12/180  
D471,140 S \* 3/2003 Oberti ..... D12/180

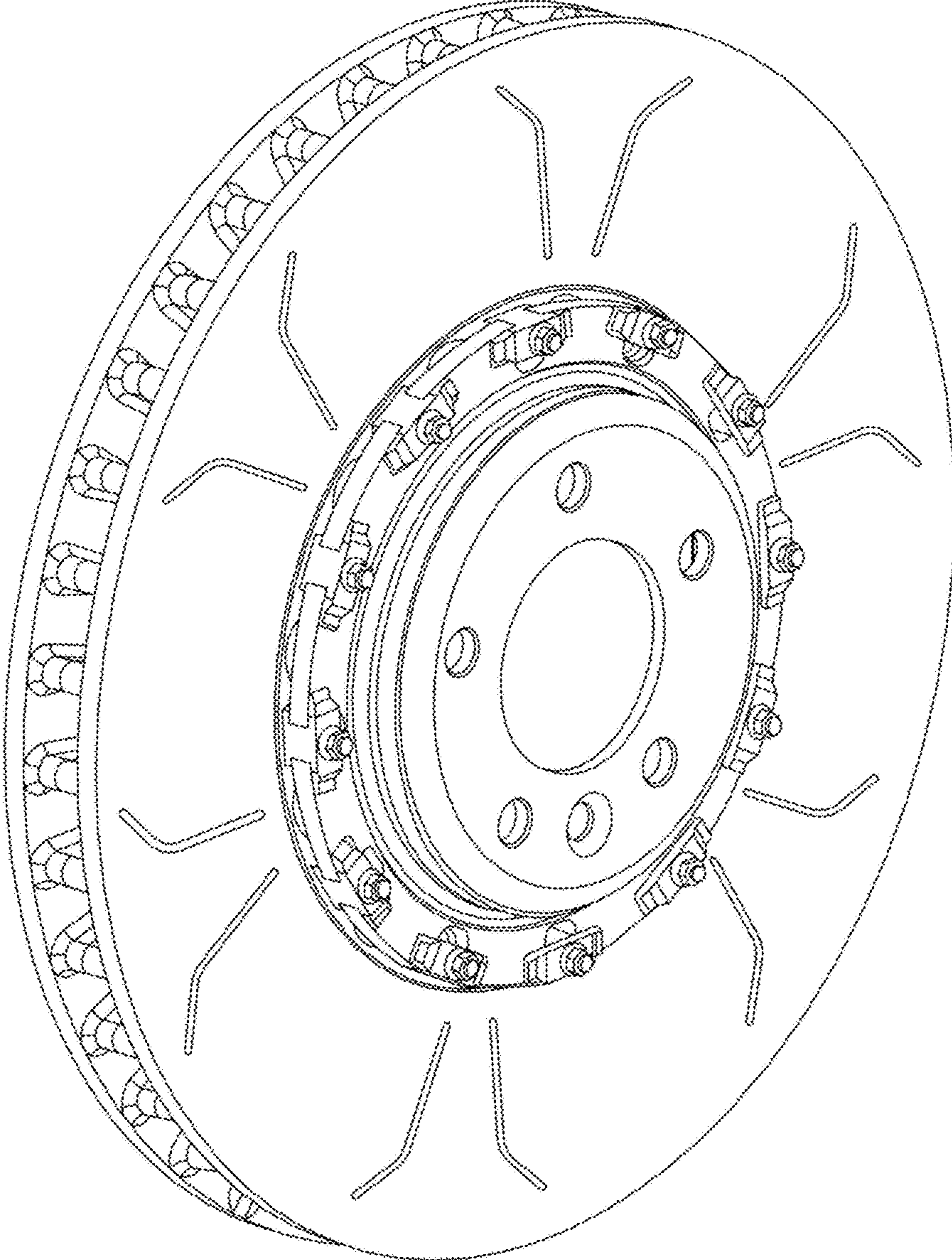
(57) **CLAIM**  
The ornamental design for a disc brake, as shown and described.

**DESCRIPTION**

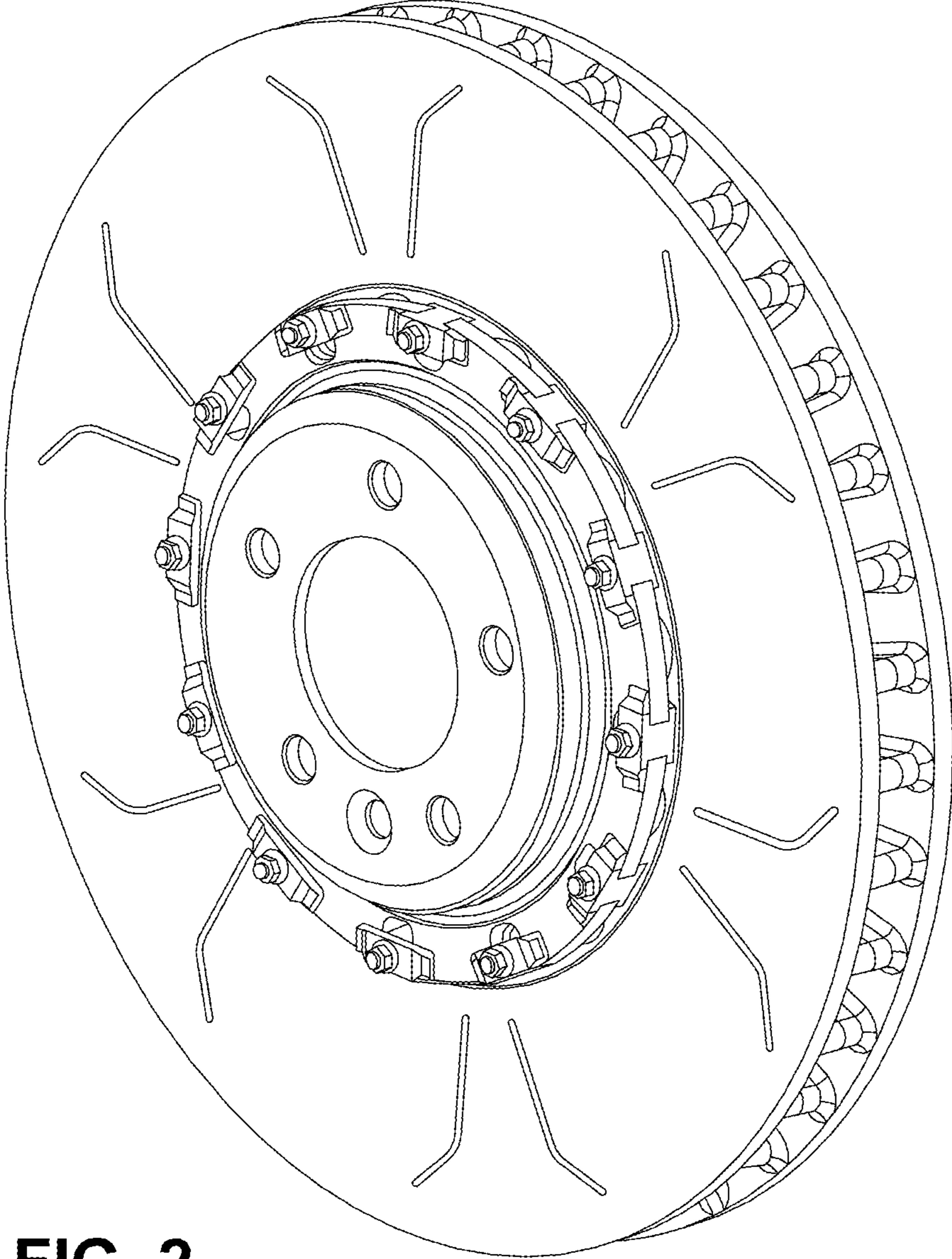
FIG. 1 is a top, front, left perspective view of a disc brake, showing our new design;  
FIG. 2 is a top, front, right perspective view thereof;  
FIG. 3 is a top, rear, left perspective view thereof;  
FIG. 4 is top, rear, right perspective view thereof;  
FIG. 5 is a rear view thereof;  
FIG. 6 is a front view thereof; and,  
FIG. 7 is right side elevation view thereof.

**1 Claim, 7 Drawing Sheets**

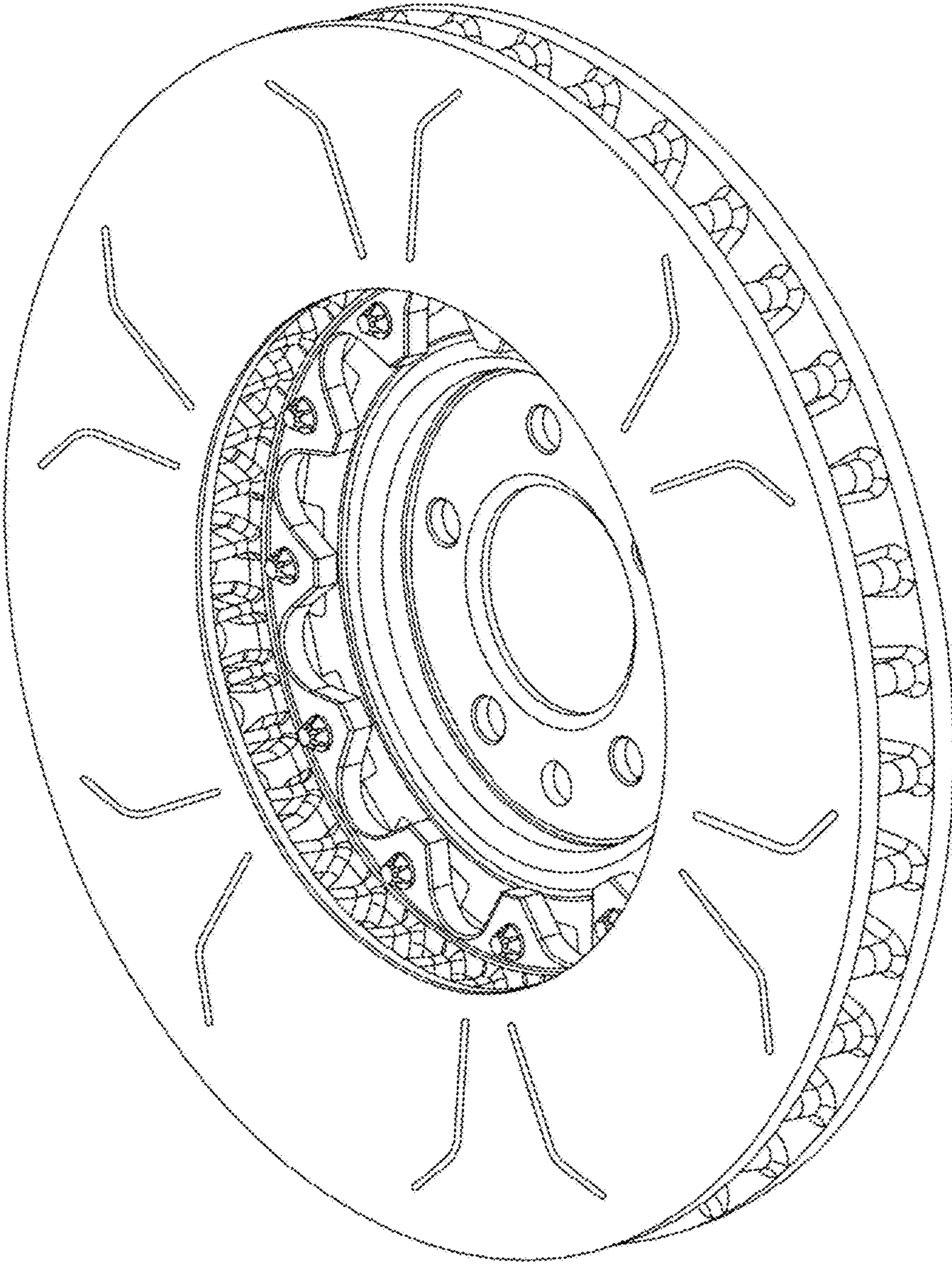




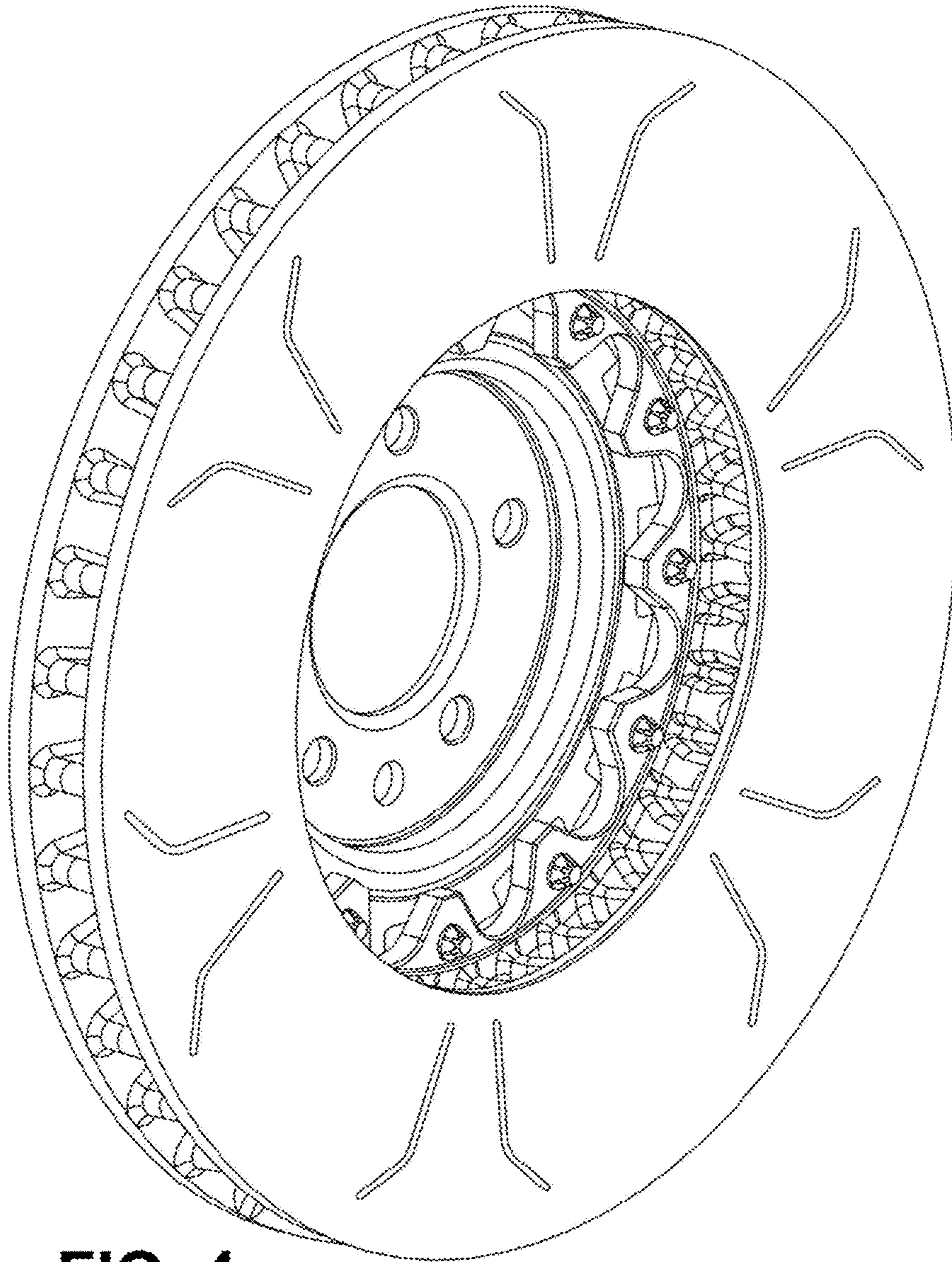
**FIG. 1**



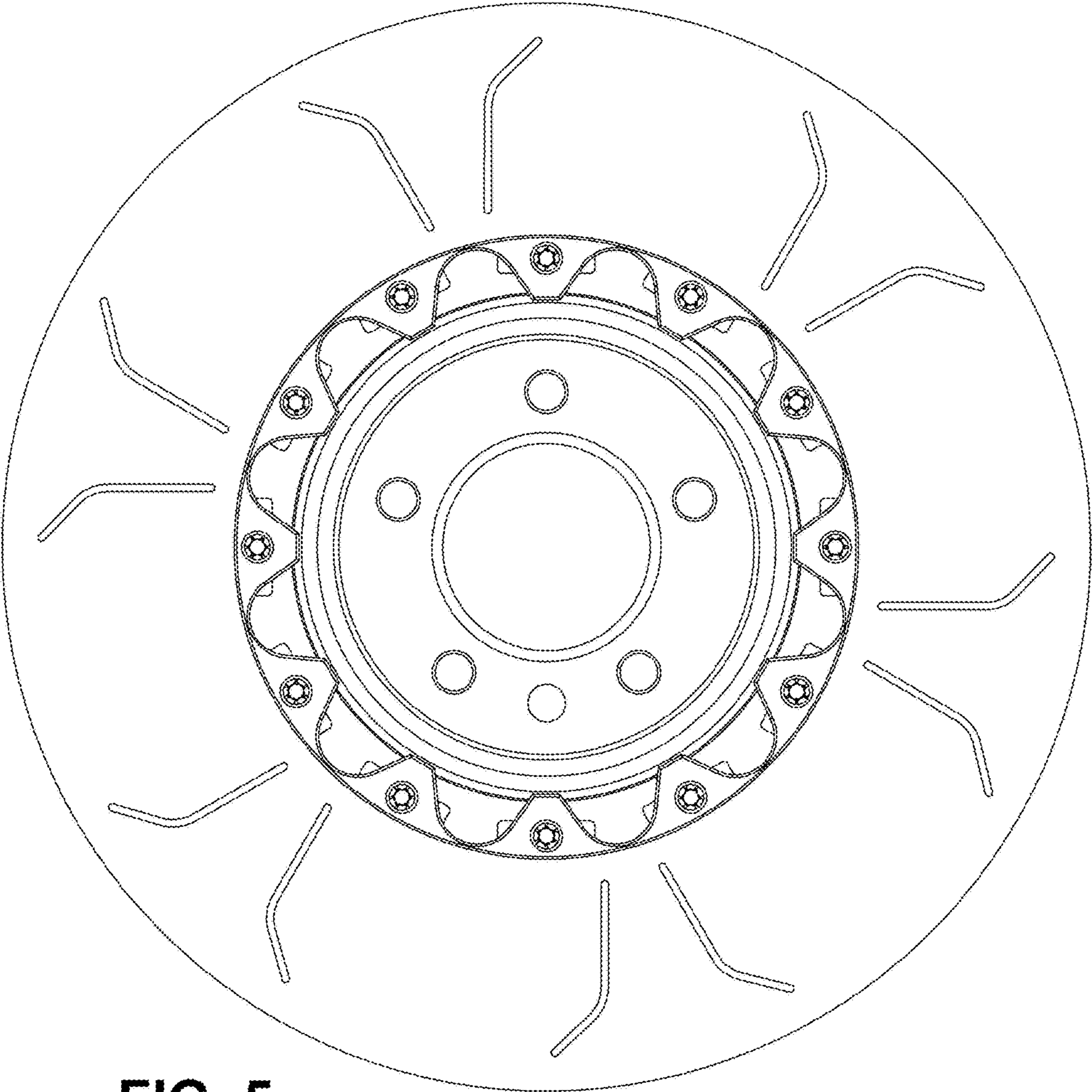
**FIG. 2**



**FIG. 3**



**FIG. 4**



**FIG. 5**

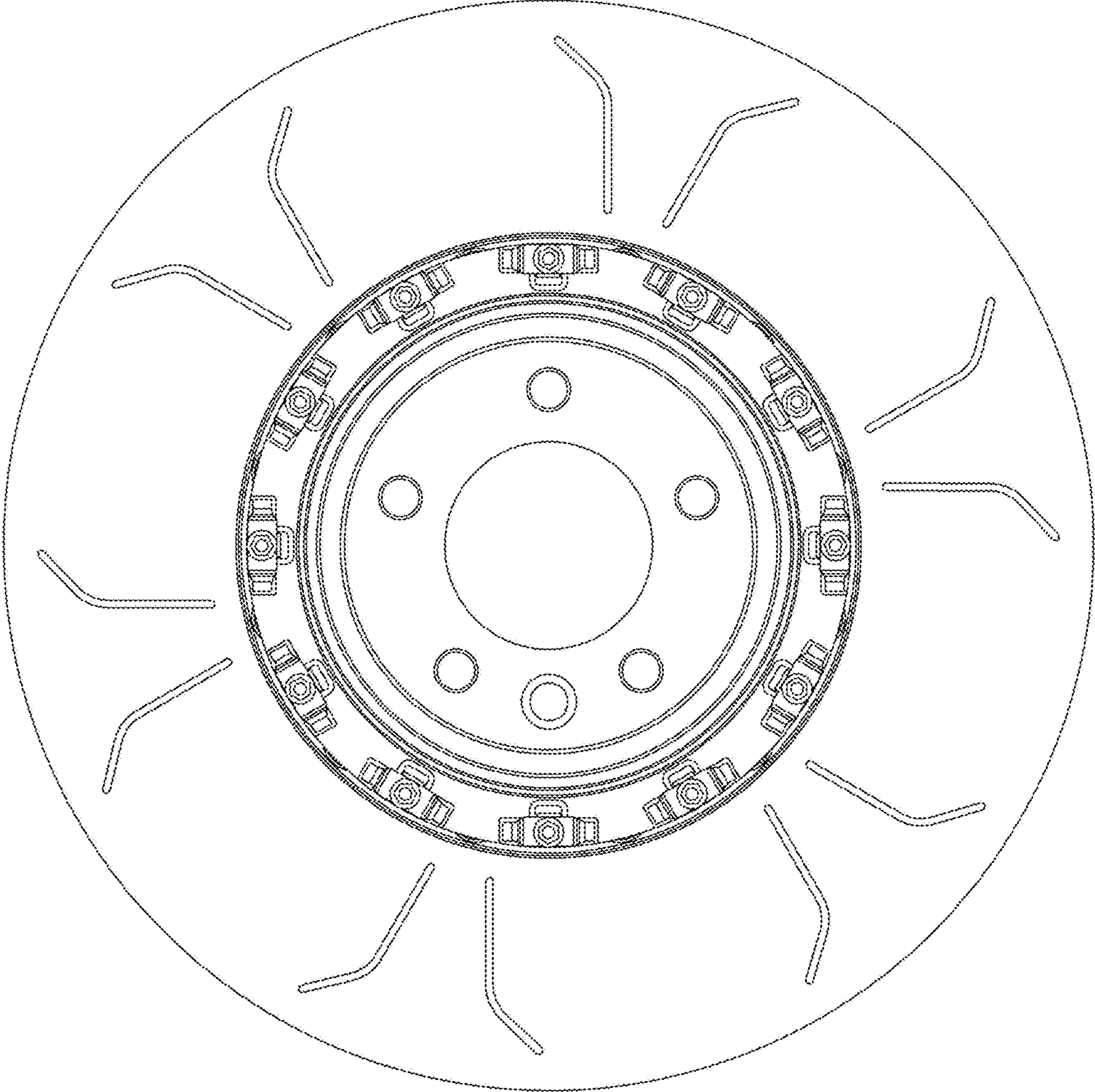


FIG. 6

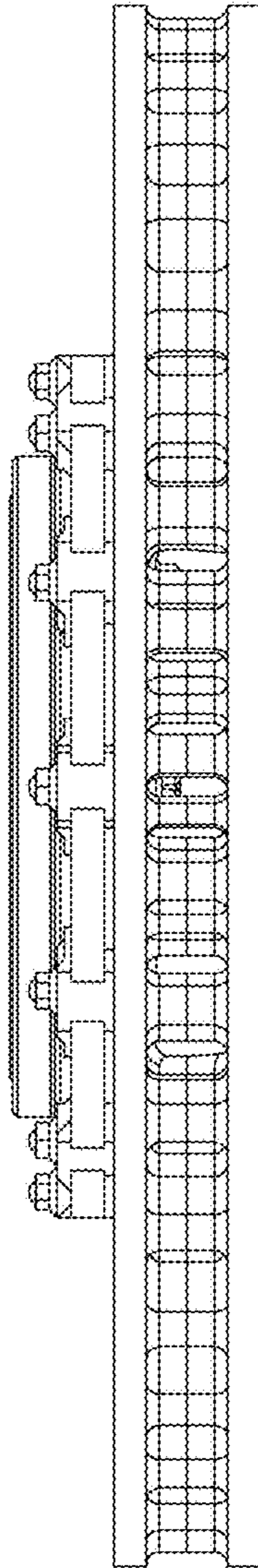


FIG. 7