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Betto et al.

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(54) **DISC BRAKE**

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(52) **U.S. Cl.**
USPC **D12/180**

(58) **Field of Classification Search**
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D12/181, 190–192, 196, 218
CPC .. B60T 17/00; B60D 1/01; B60D 1/14; B60R
25/02105; B60R 2011/001
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D541,717 S *	5/2007	Chen	.....	D12/180
D581,329 S *	11/2008	Ohigashi	.....	D12/180
D661,632 S *	6/2012	Shinagawa	.....	D12/180
D661,633 S *	6/2012	Shinagawa	.....	D12/180
D669,004 S *	10/2012	Meckel	.....	D12/180
D693,280 S *	11/2013	Shinagawa	.....	D12/180
D695,656 S *	12/2013	Qin	.....	D12/180
D721,309 S *	1/2015	Moore	.....	D12/180
9,234,553 B2 *	1/2016	Iwai	.....	F16D 65/12
D749,025 S *	2/2016	Dunlap, III	.....	D12/180
D749,476 S *	2/2016	Dunlap, III	.....	D12/180
D749,477 S *	2/2016	Dunlap, III	.....	D12/180
D783,475 S *	4/2017	Wen	.....	D12/180
D784,873 S *	4/2017	Kobayashi	.....	D12/180
D787,995 S *	5/2017	Betto	.....	D12/180

D829,140 S *	9/2018	Kittrell, Jr.	.....	D12/180
D830,256 S *	10/2018	Kittrell, Jr.	.....	D12/180
D830,257 S *	10/2018	Kittrell, Jr.	.....	D12/180
D832,166 S *	10/2018	Kobayashi	.....	D12/180
2006/0185945 A1 *	8/2006	Greppi	.....	F16D 65/12 188/218 XL
2007/0102247 A1 *	5/2007	Takenaka	.....	F16D 65/12 188/26
2013/0284549 A1 *	10/2013	Rudoy	.....	F16D 65/12 188/218 XL

OTHER PUBLICATIONS

“200mm Disk Brake Rotor” [online]. Rolling Wrench. [Retrieved Sep. 24, 2019]. Retrieved from the Internet: <<https://www.rollingwrenchdenver.com/products/200mm-disk-brake-honda-ruckus>>.*

* cited by examiner

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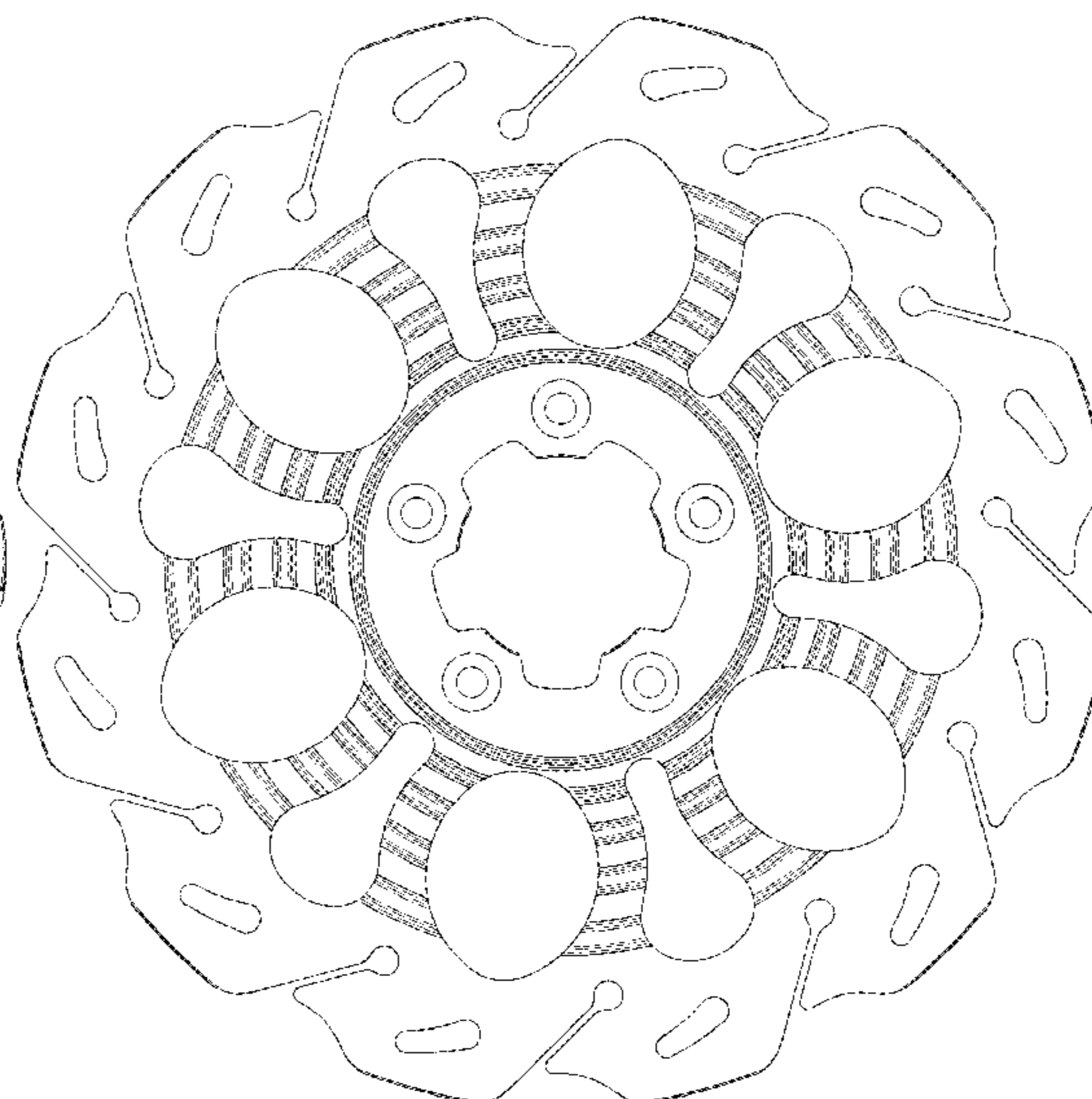
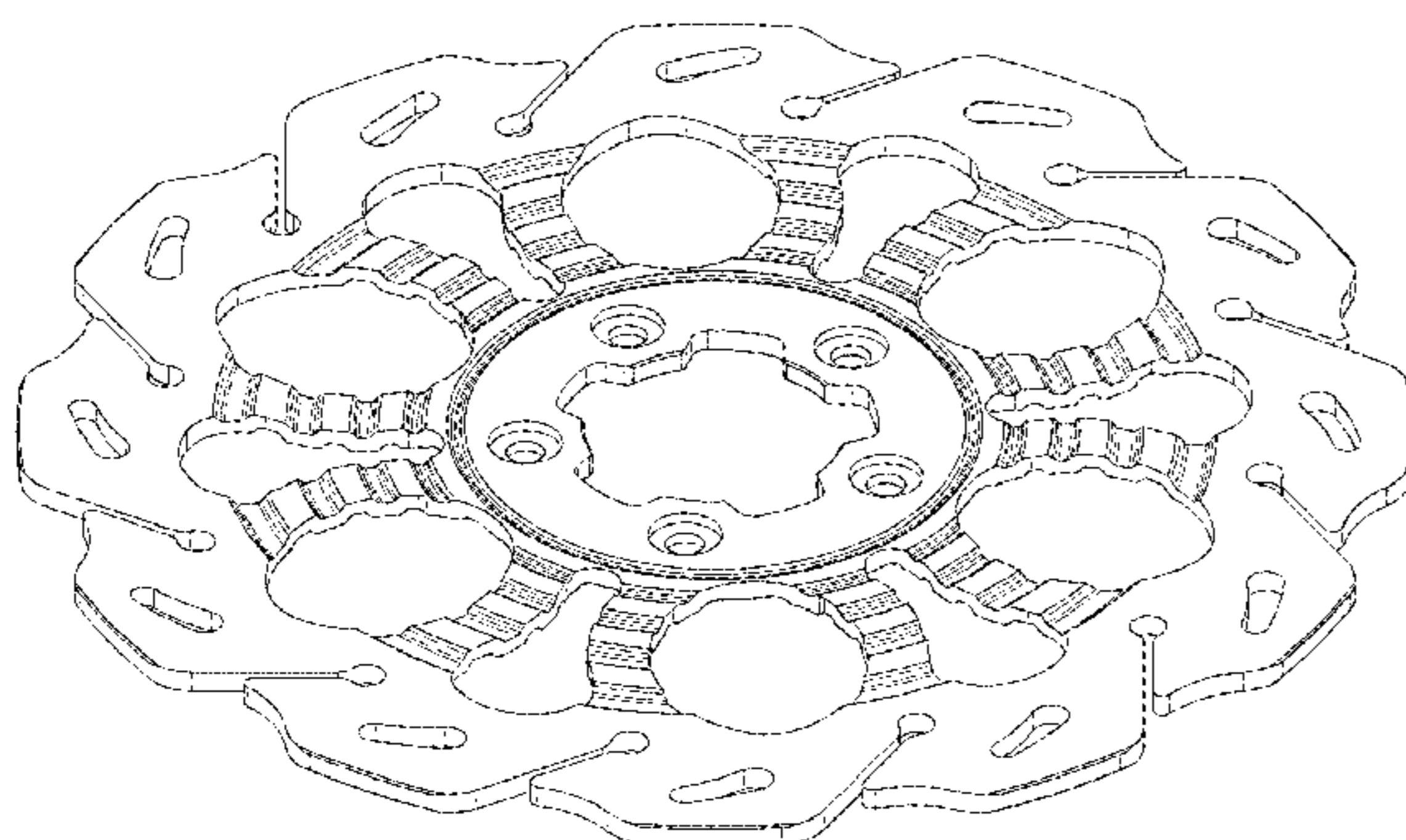
(57) **CLAIM**

The ornamental design for a disk brake, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a disk brake, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.
Any broken lines in the figures illustrate portions of the disc brake that forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



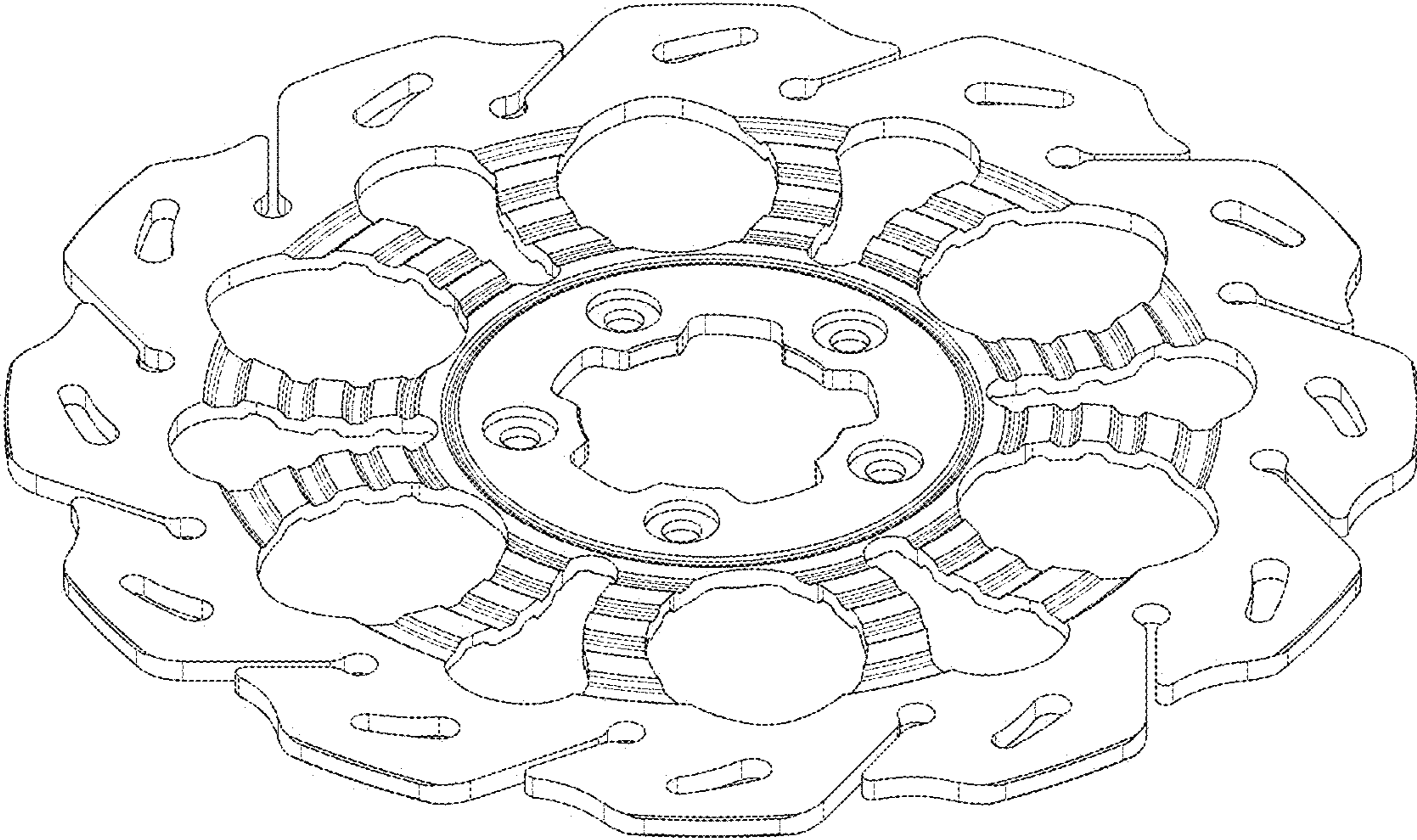


Fig.1

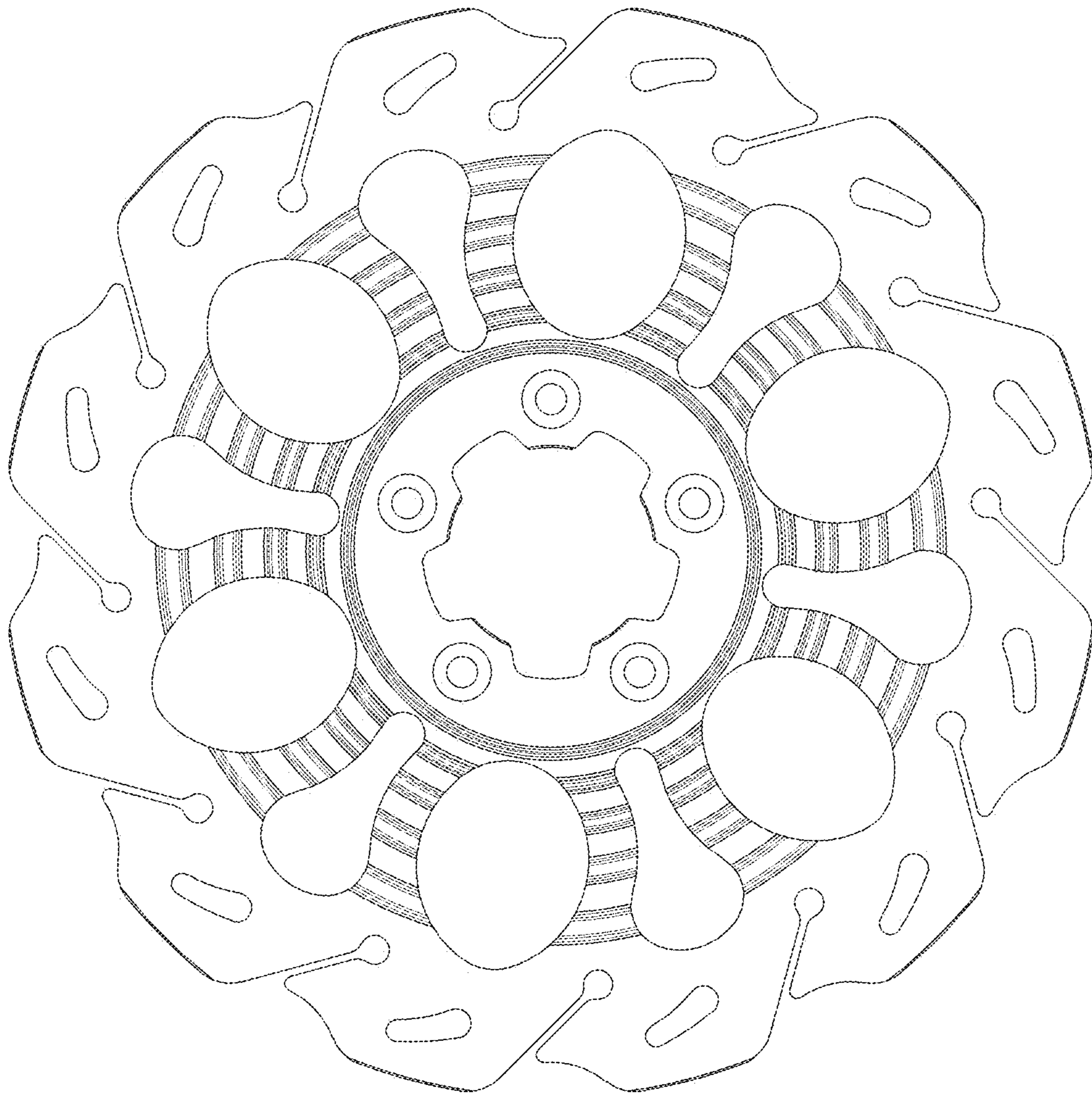


Fig.2

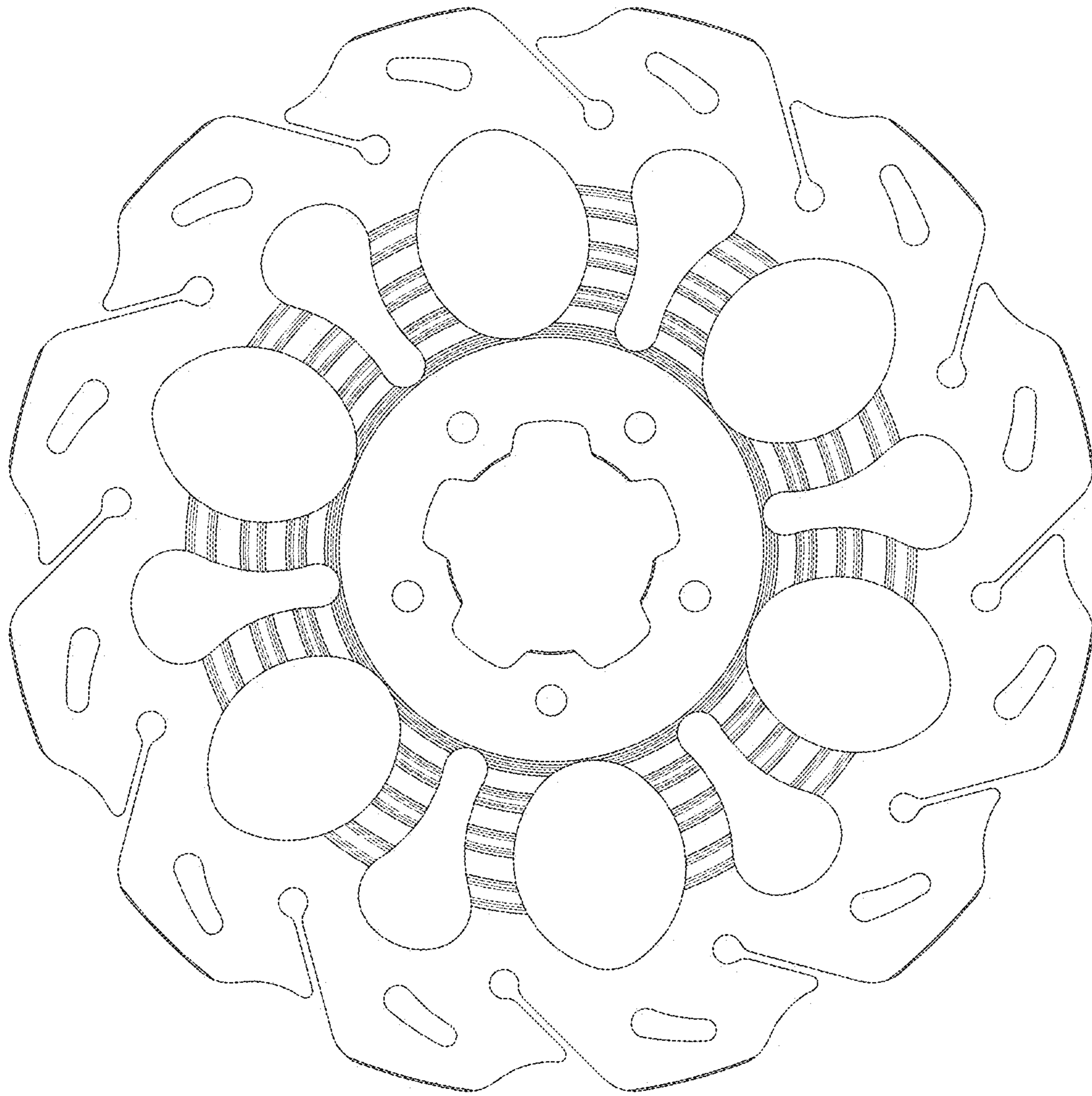


Fig. 3

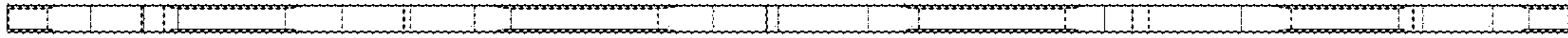


Fig.4

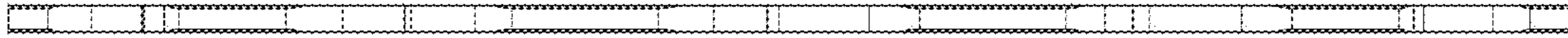


Fig. 5

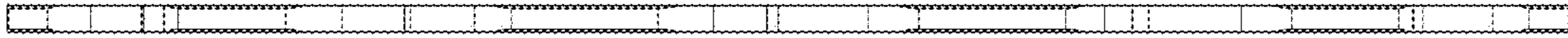


Fig.6

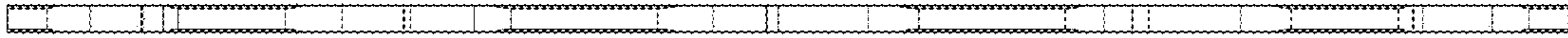


Fig. 7