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Woodhead et al.

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(54) **DISK BRAKE ASSEMBLY**

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

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(30) **Foreign Application Priority Data**

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

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

(58) **Field of Classification Search**
USPC D12/400, 415, 162, 174-177, 179, 180,
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

D425,465 S *	5/2000	Pink	.....	D12/180
D426,180 S *	6/2000	Pink	.....	D12/180
D462,040 S *	8/2002	Ueno	.....	D12/180
D506,714 S *	6/2005	Ono	.....	D12/180
D576,932 S *	9/2008	Strehler	.....	D12/180
D627,694 S *	11/2010	Schulz	.....	D12/180
D638,336 S *	5/2011	Kelpe	.....	D12/180

D700,551 S *	3/2014	Davenport, III	.....	D12/180
D805,012 S *	12/2017	Crippa	.....	D12/180
D805,019 S *	12/2017	Taylor	.....	D12/400
D812,534 S *	3/2018	Scheibe	.....	D12/180
D815,000 S *	4/2018	Igawa	.....	D12/180
D816,002 S *	4/2018	Crippa	.....	D12/180
D836,505 S *	12/2018	Gustafson	.....	D12/180
D837,165 S *	1/2019	Gagne	.....	D13/158
D842,782 S *	3/2019	Verdelli	.....	D12/180
D851,566 S *	6/2019	Nessi	.....	D12/180
2016/0017946 A1 *	1/2016	Sandberg	.....	F16D 65/18 188/71.8

OTHER PUBLICATIONS

“TOLOMATIC 07330101” [online]. doigcorp.com. [Retrieved Sep. 27, 2019]. Retrieved from the Internet: <<https://www.doigcorp.com/Home/Brakes-Clutches/TOLOMATIC-07330101.html>>.*

* cited by examiner

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(57) **CLAIM**

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

DESCRIPTION

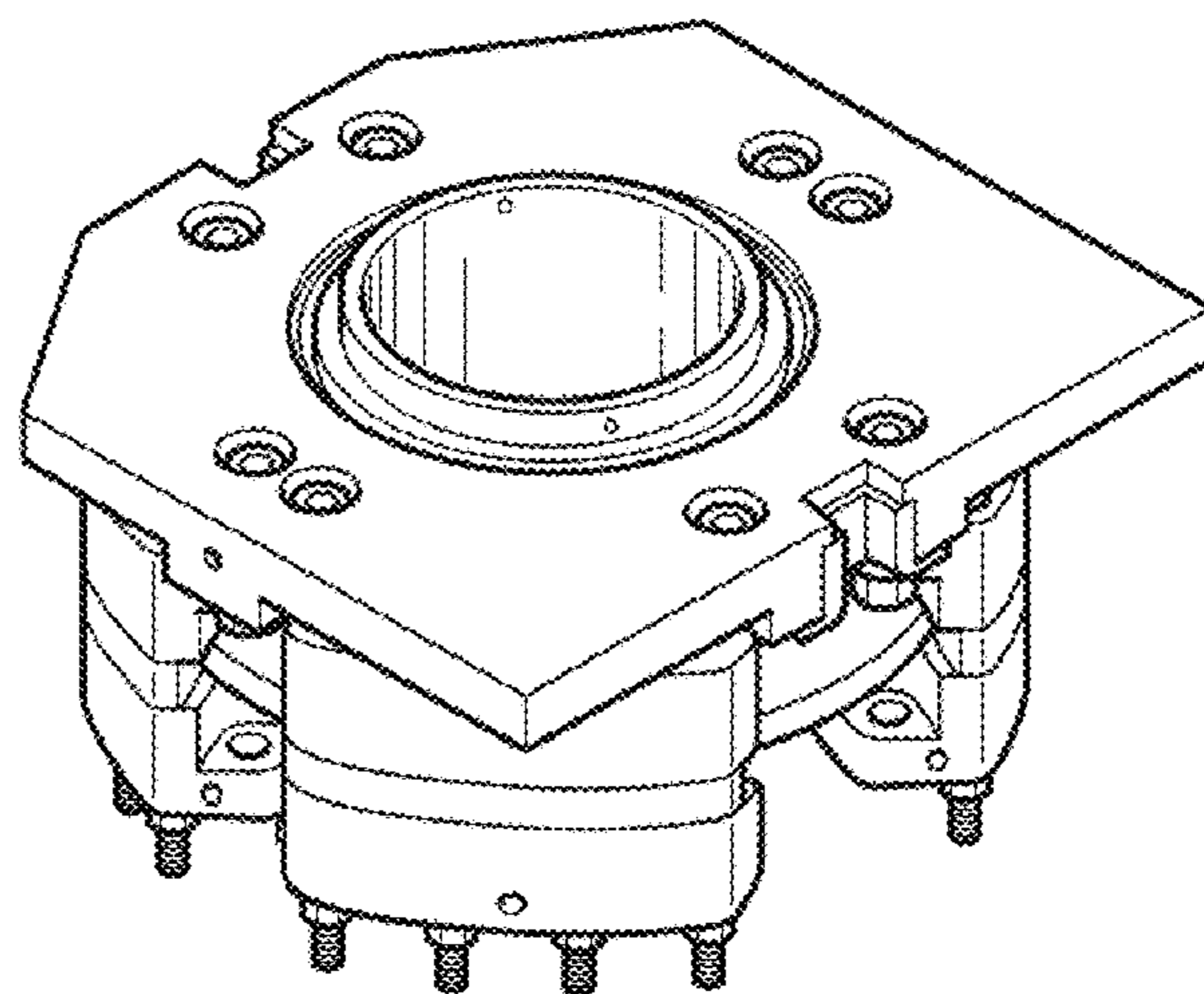
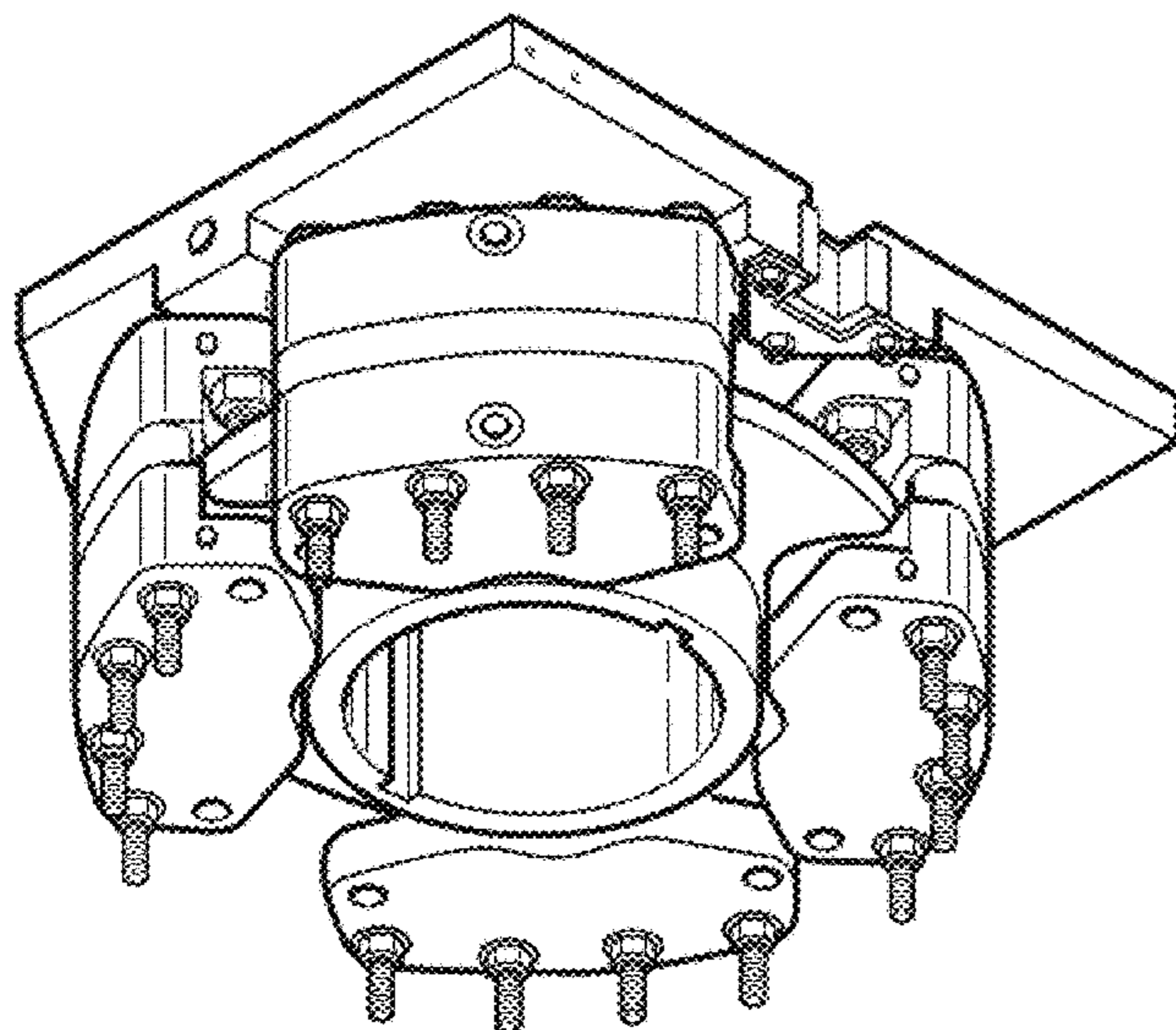
FIG. 1 is a bottom, front, and right-side view of a disc brake assembly showing the new design.

FIG. 2 is a top, front, and right-side view of the disc brake assembly.

FIG. 3 is a top, back, and right-side view of the disc brake assembly; and,

FIG. 4 is exploded bottom, back, and left-side view of the disc brake assembly.

1 Claim, 4 Drawing Sheets



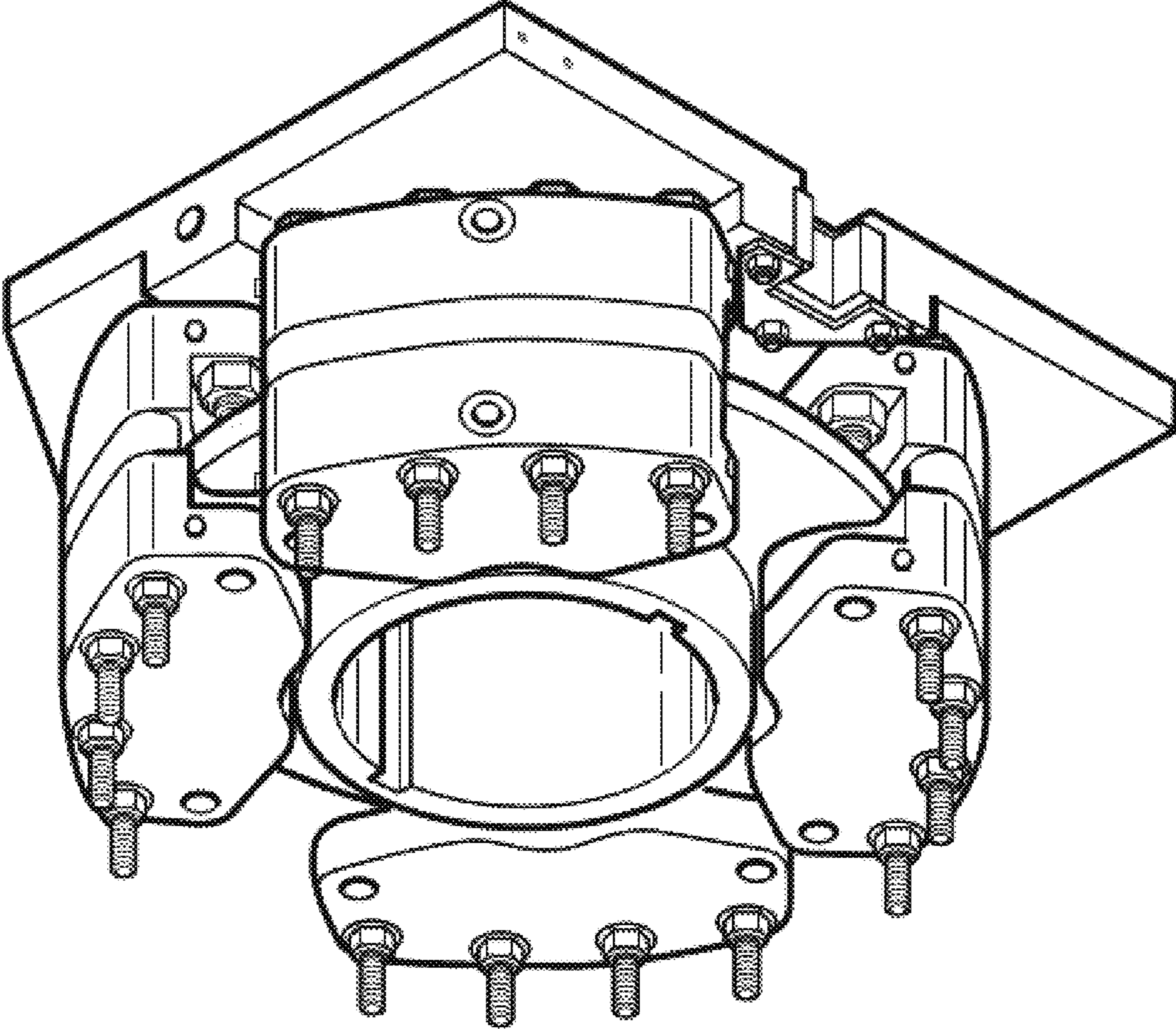


Fig. 1

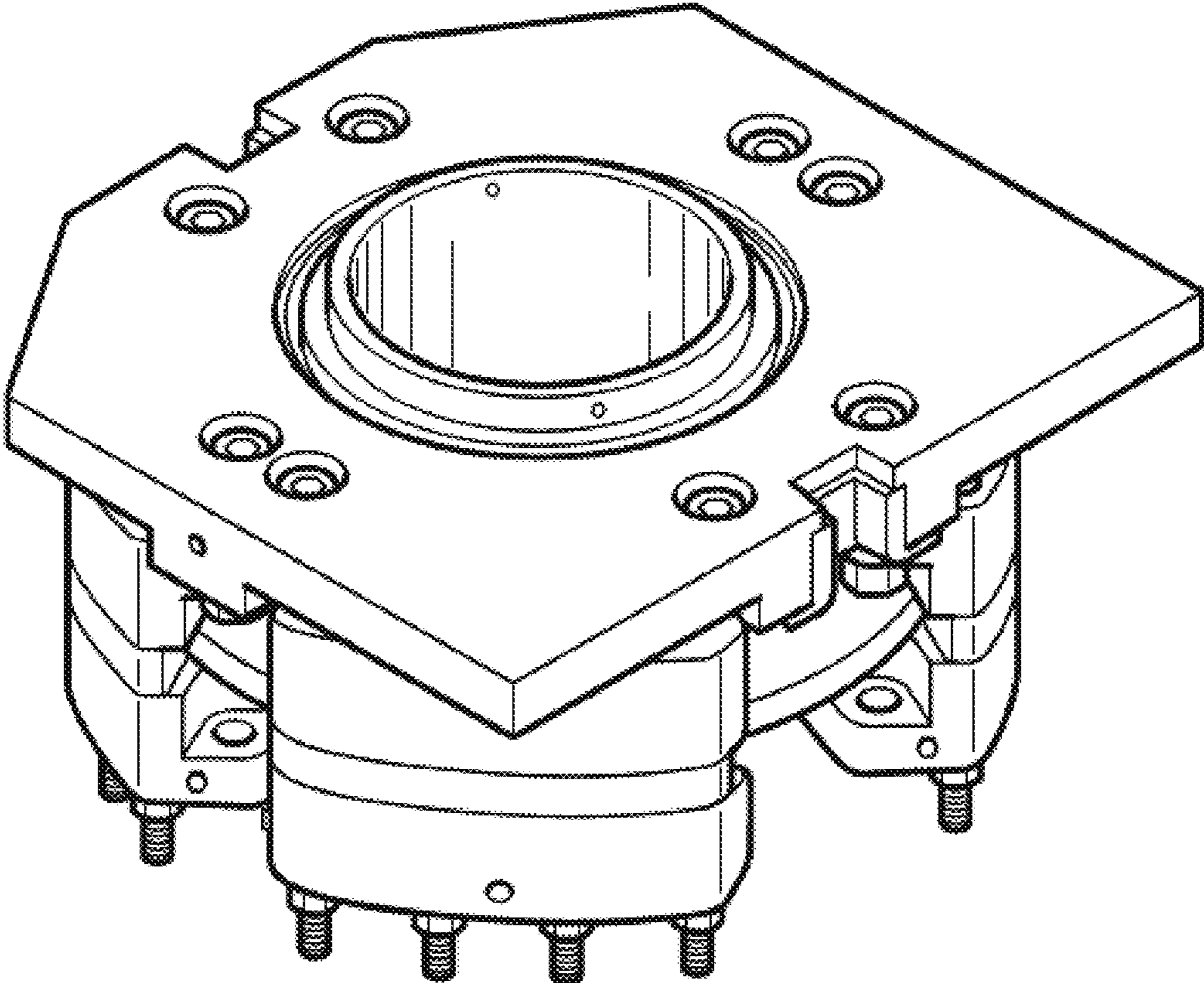


Fig. 2

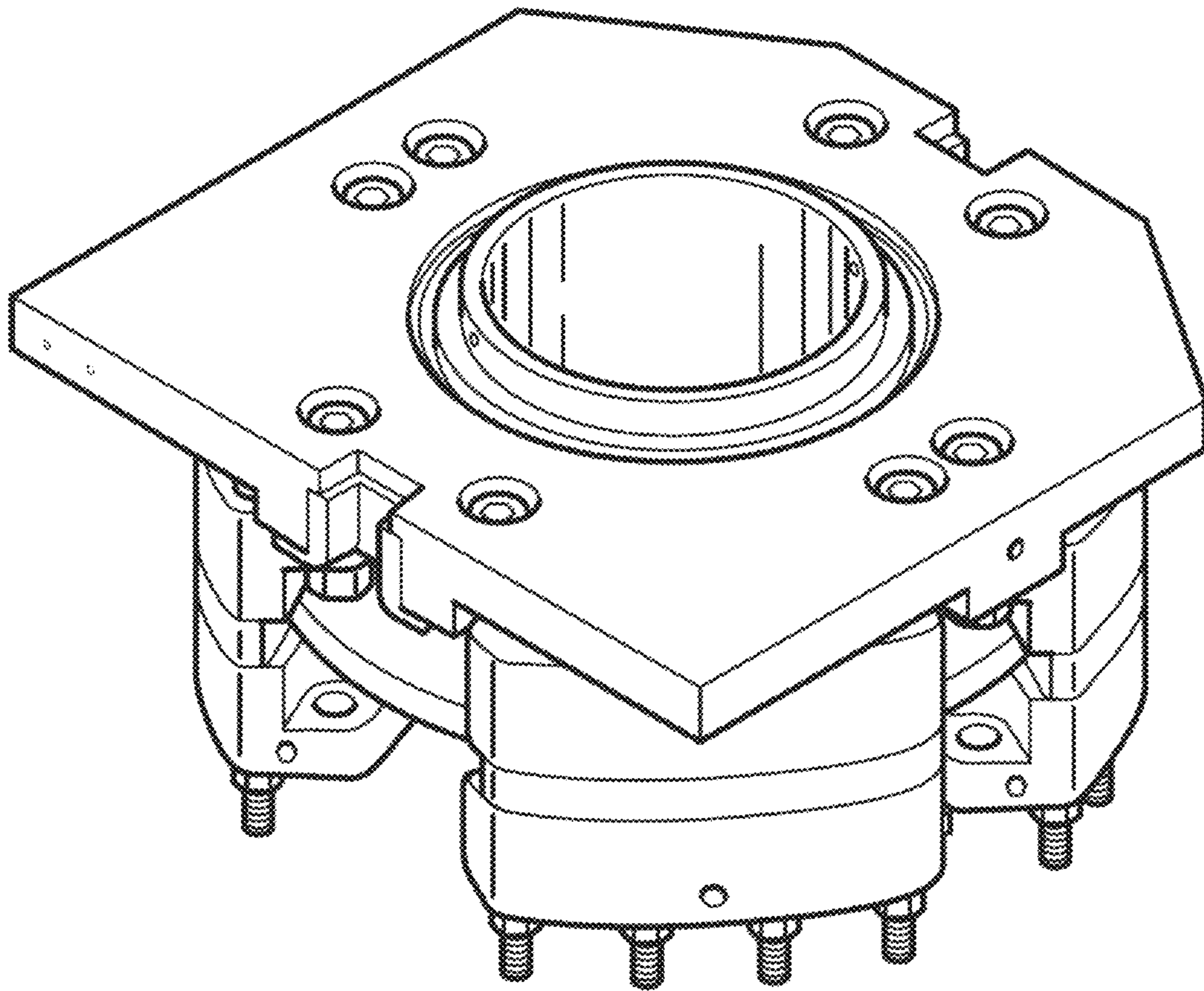


Fig. 3

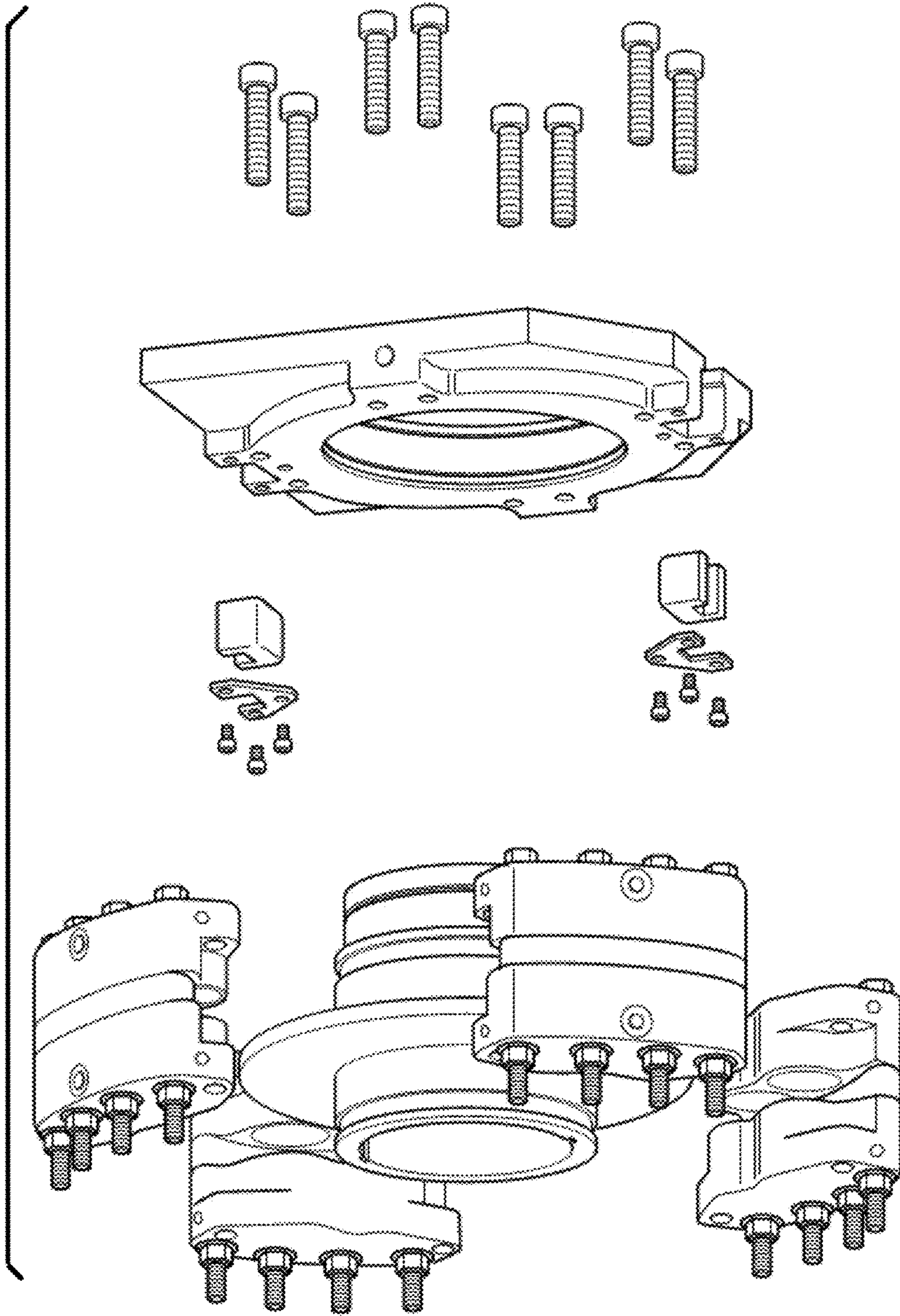


Fig. 4