



US00D548656S

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

(10) **Patent No.:** **US D548,656 S**

(45) **Date of Patent:** **** Aug. 14, 2007**

(54) **DISC BRAKE UNIT FOR A BICYCLE**

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(73) Assignee: **Shimano Inc.**, Sakai, Osaka (JP)

(**) Term: **14 Years**

(21) Appl. No.: **29/261,244**

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(30) **Foreign Application Priority Data**

Dec. 16, 2005 (EM) 000450424-0001/0008

(51) **LOC (8) Cl.** **12-16**

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

(58) **Field of Classification Search** D12/111,
D12/180; 188/18 A, 71.1, 71.5, 73.1, 73.31-73.34,
188/73.35-73.39, 73.43, 73.45, 218 XL;
192/70.17, 70.2

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2006/0231351 A1* 10/2006 Kariyama 188/26

OTHER PUBLICATIONS

Colorado Cyclist Tour Time 2003, AVID Mechanical Disc Brake unit shown and described on p. 27.*

* cited by examiner

Primary Examiner—Alan P. Douglas
Assistant Examiner—Linda Brooks
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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of the disc brake unit for a bicycle;

FIG. 2 is a front elevational view of the disc brake unit for a bicycle of FIG. 1;

FIG. 3 is a rear elevational view of the disc brake unit for a bicycle of FIG. 1;

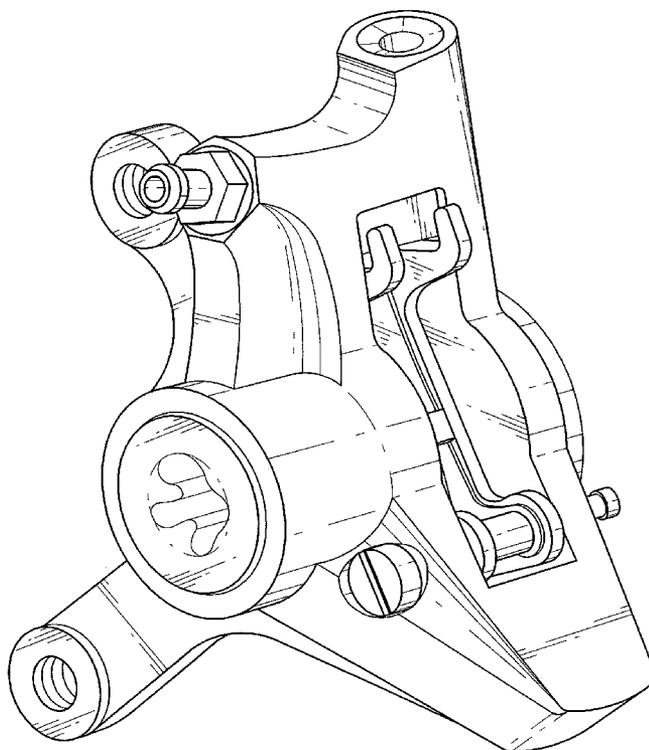
FIG. 4 is a top plan view of the disc brake unit for a bicycle of FIG. 1;

FIG. 5 is a bottom plan view of the disc brake unit for a bicycle of FIG. 1;

FIG. 6 is a right side elevational view of the disc brake unit for a bicycle of FIG. 1; and,

FIG. 7 is a left side elevational view of the disc brake unit for a bicycle of FIG. 1.

1 Claim, 7 Drawing Sheets



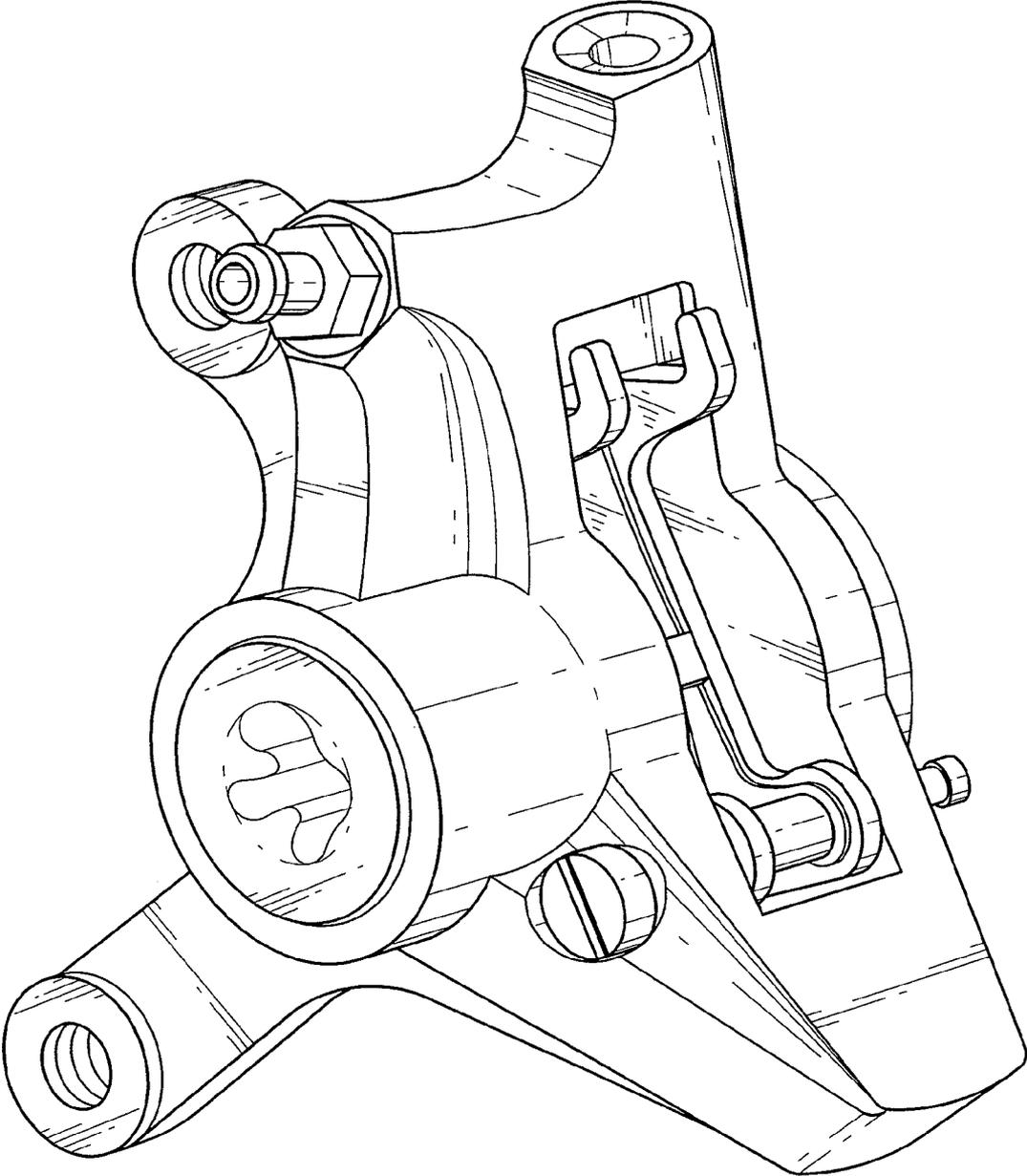


FIG. 1

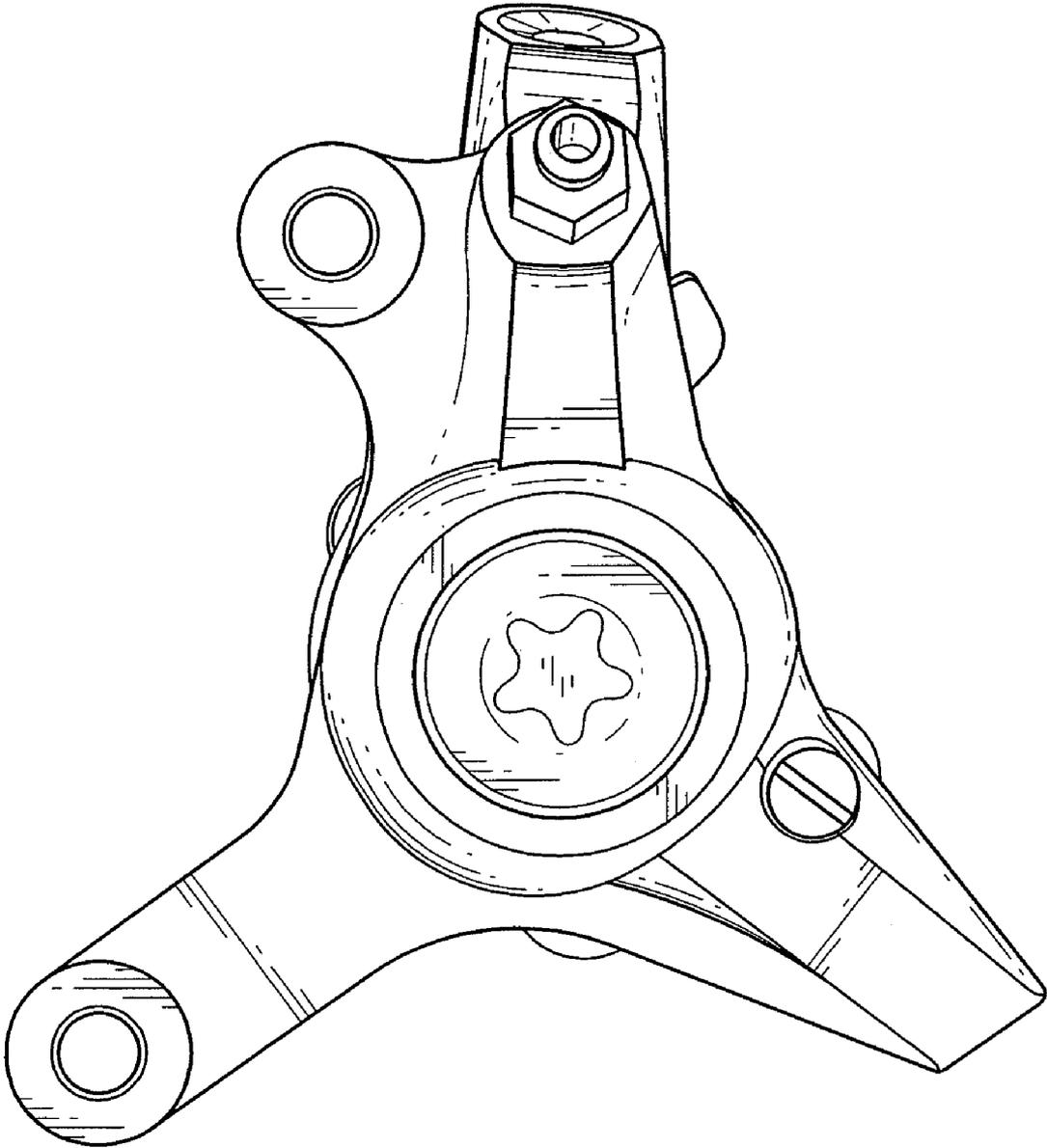


FIG. 2

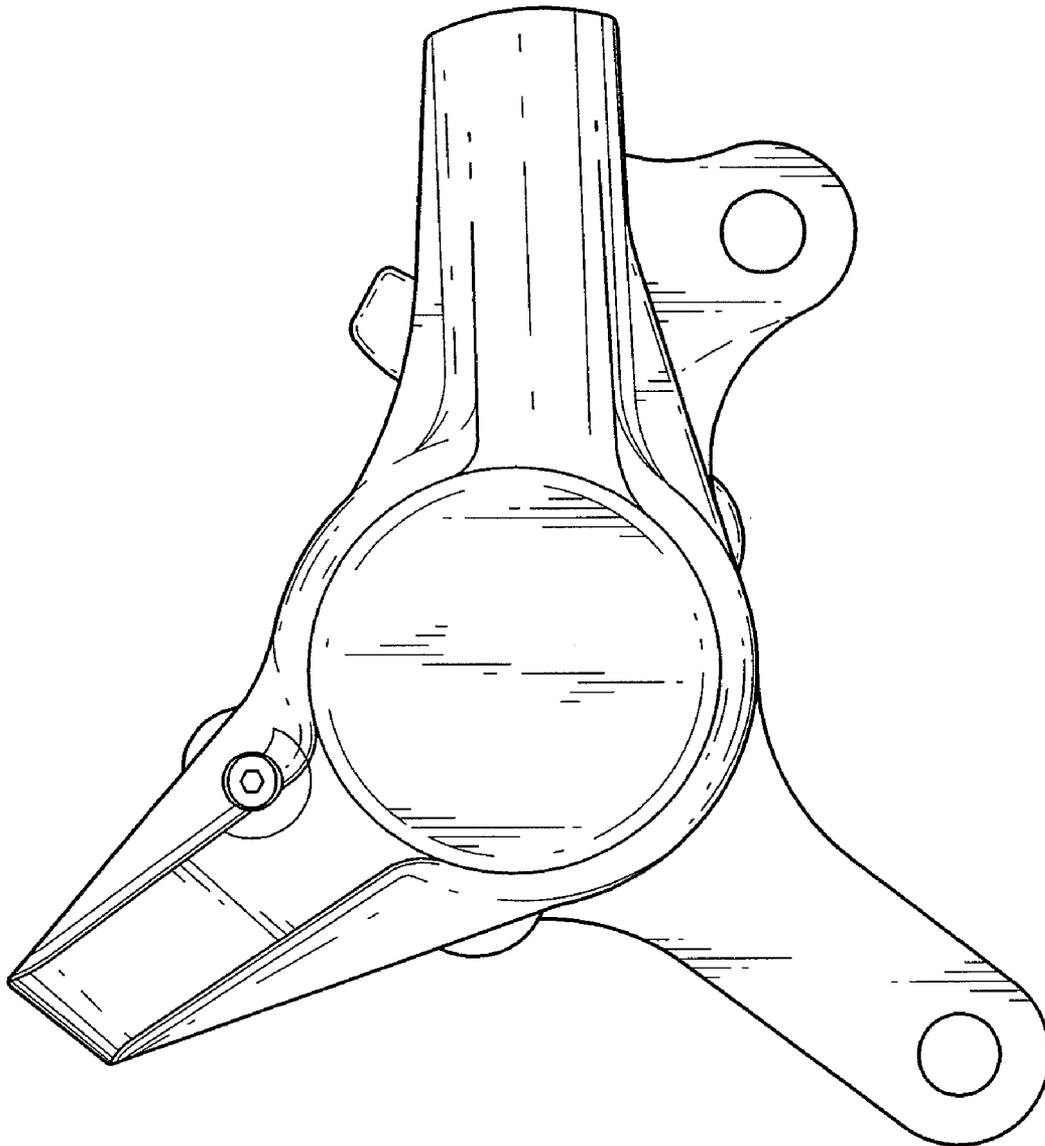


FIG. 3

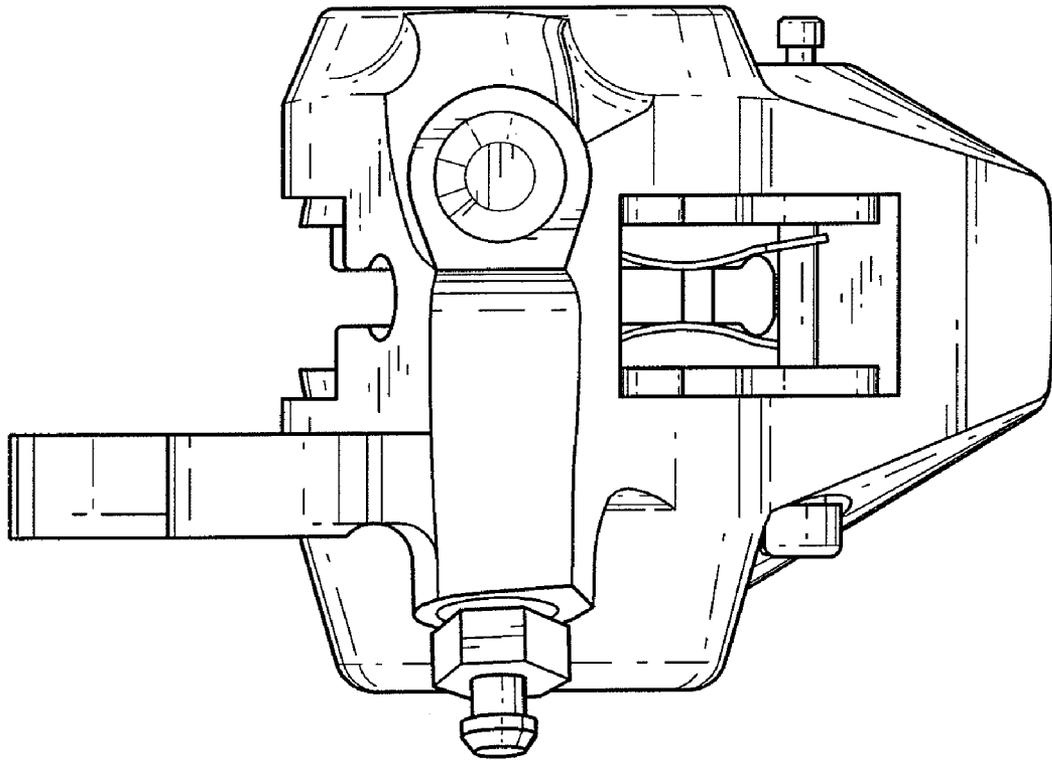


FIG. 4

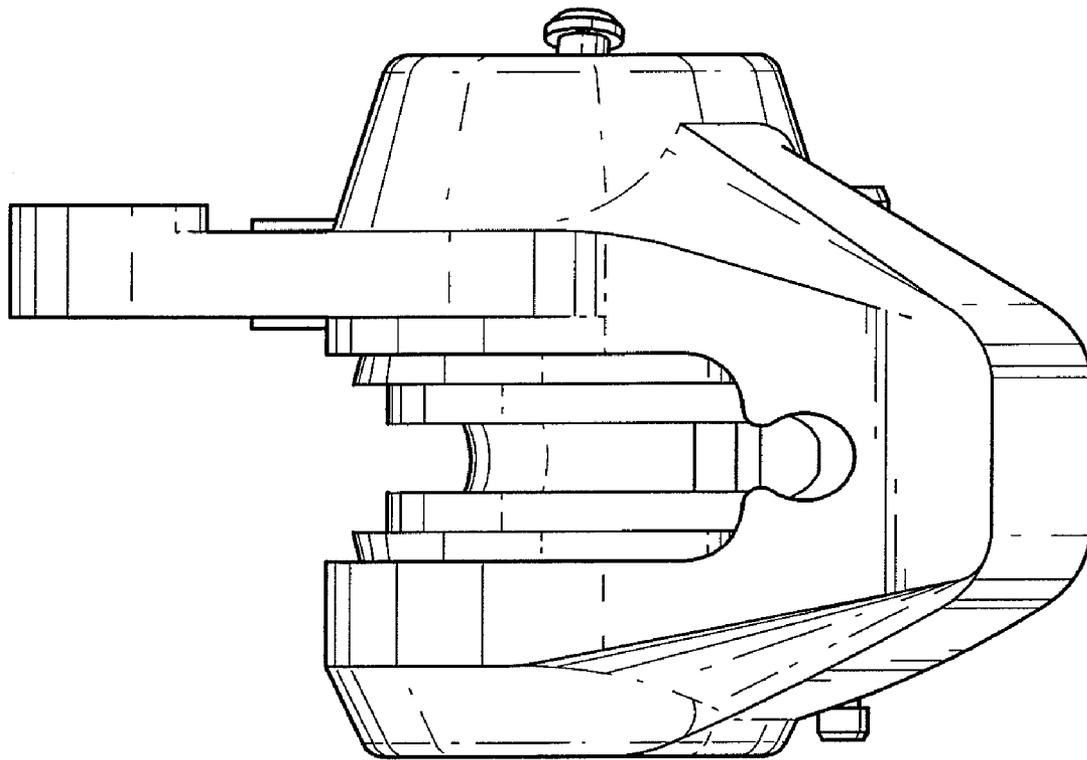


FIG. 5

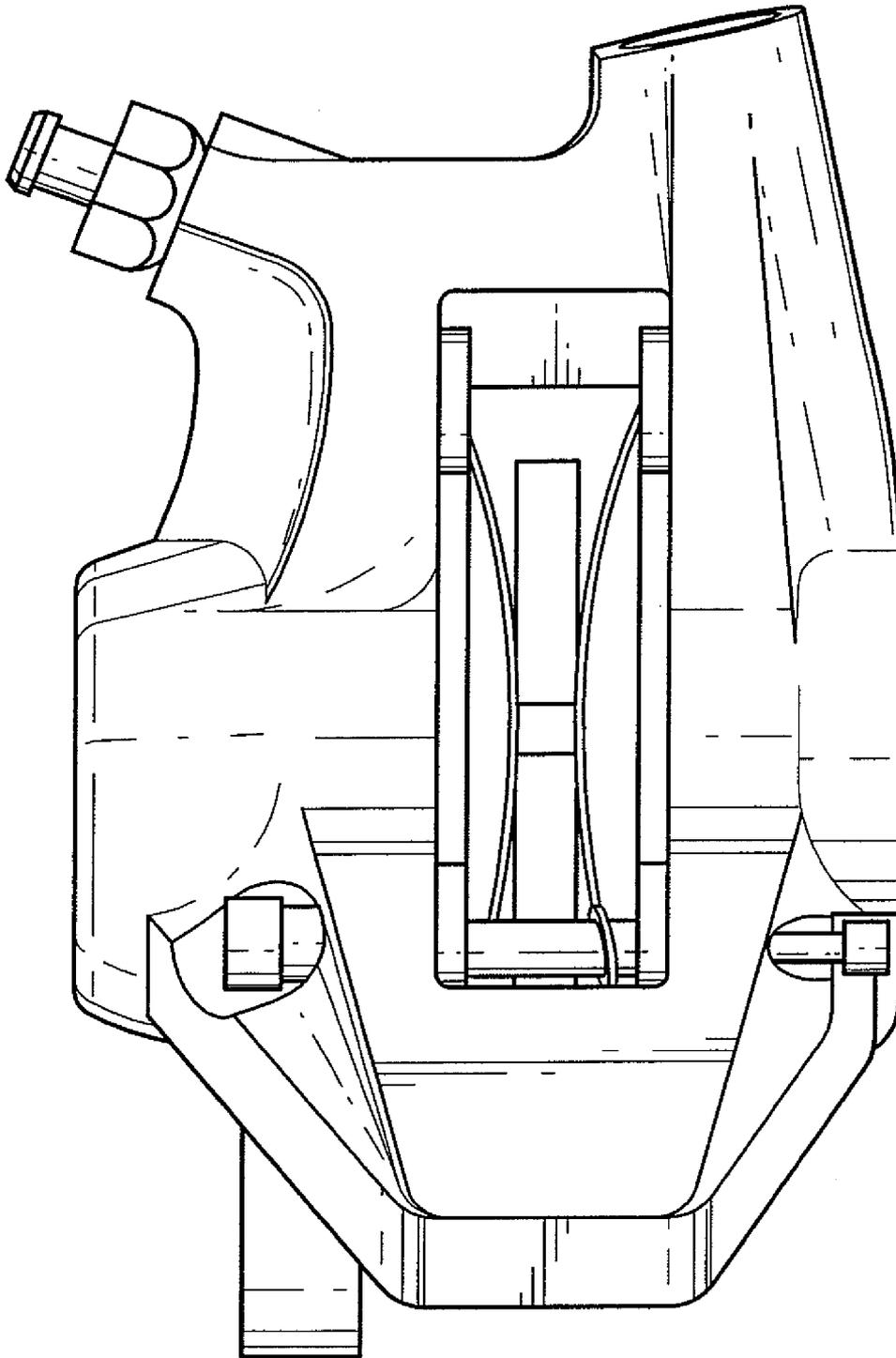


FIG. 6

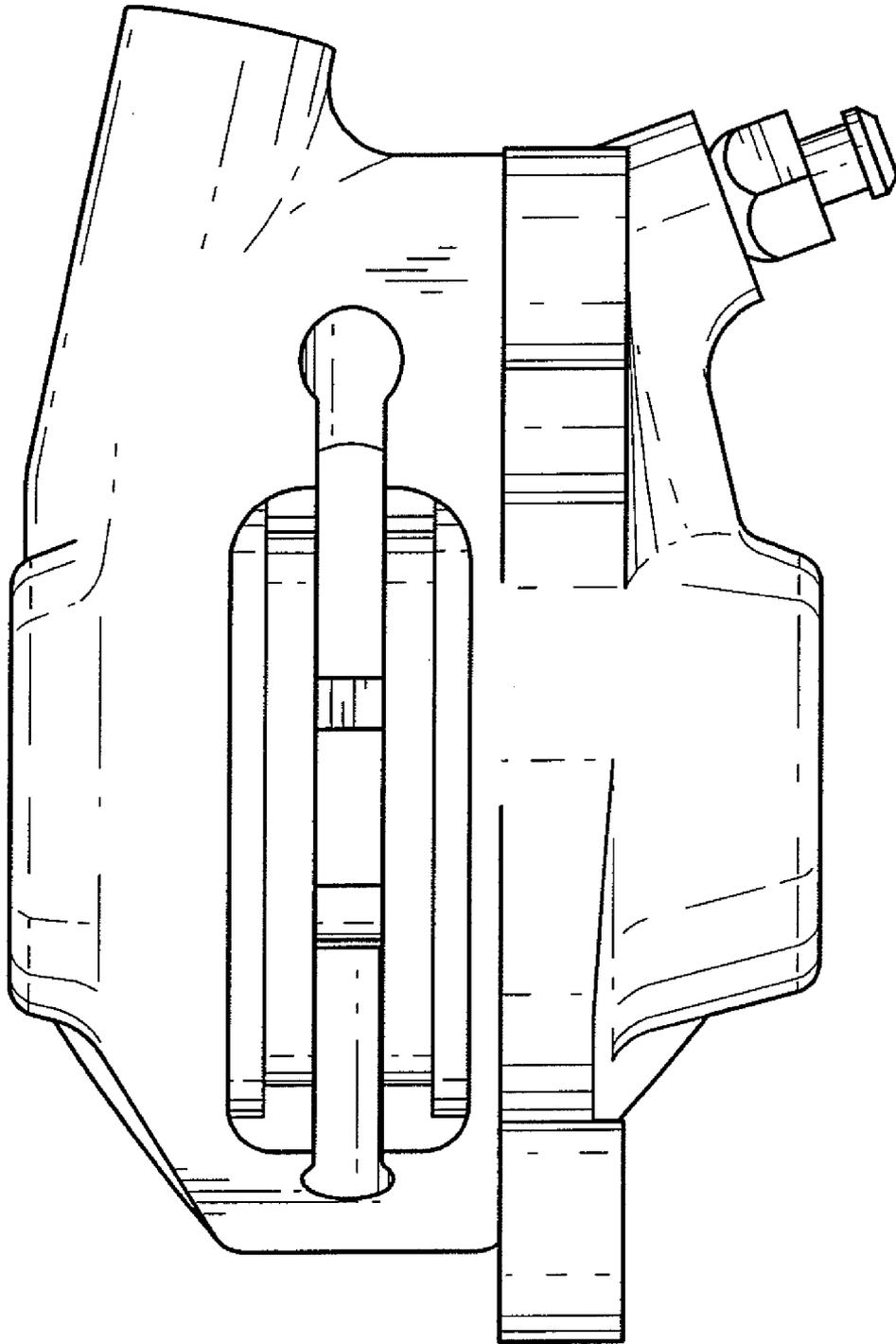


FIG. 7